



ಕರ್ನಾಟಕ ಸರ್ಕಾರ  
(ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ)

ಸಂಖ್ಯೆ:ಲೋಇ 75 PRAMC/2020-21

1203

ಪ್ರಧಾನ ಇಂಜಿನಿಯರ್‌ರವರ ಕಛೇರಿ  
ಯೋಜನೆ ಮತ್ತು ರಸ್ತೆಗಳ ಆಸ್ತಿ ನಿರ್ವಹಣಾ ಕೇಂದ್ರ,  
4ನೇ ಮಹಡಿ, ಲೋ.ಇ. ಪೂರಕ ಕಟ್ಟಡ,  
ಕೆ.ಆರ್. ವೃತ್ತ, ಬೆಂಗಳೂರು-560001.

ಇ-ಮೇಲ್: cepramc@kpwd.gov.in

ದೂರವಾಣಿ: 080-22117302

ದಿನಾಂಕ: 07 MAR 2022

ಇವರಿಗೆ:

ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಗಳು,  
ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ,  
3ನೇ ಮಹಡಿ, ವಿಕಾಸ ಸೌಧ,  
ಬೆಂಗಳೂರು.

ಮಾನ್ಯರೇ,

ವಿಷಯ: ಮಾನ್ಯ ವಿಧಾನ ಪರಿಷತ್ ಸದಸ್ಯರಾದ ಶ್ರೀ ಎಸ್. ರವಿ (ಸ್ಥಳೀಯ ಸಂಸ್ಥೆಗಳ ಕ್ಷೇತ್ರ) ಇವರ ಚುಕ್ಕೆ ರಹಿತ ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ: 1185 (1348) ಕ್ಕೆ ಉತ್ತರಿಸುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ: ವಿಧಾನಸಭೆ ಸಚಿವಾಲಯದ ಪತ್ರ ಸಂಖ್ಯೆ:ಕವಿಪ:1348:146ನೇಮುಅ:  
2022 ದಿನಾಂಕ 02/03/2022.

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ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಮಾನ್ಯ ವಿಧಾನ ಪರಿಷತ್ ಸದಸ್ಯರಾದ ಶ್ರೀ ಎಸ್. ರವಿ (ಸ್ಥಳೀಯ ಸಂಸ್ಥೆಗಳ ಕ್ಷೇತ್ರ) ಇವರ ಚುಕ್ಕೆ ರಹಿತ ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ: 1185 (1348) ಕ್ಕೆ ಉತ್ತರವನ್ನು ಈ ಪತ್ರಕ್ಕೆ ಲಗತ್ತಿಸಿ ಮುಂದಿನ ಕ್ರಮಕ್ಕಾಗಿ ಸಲ್ಲಿಸಲಾಗಿದೆ.

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

ಅಡಕ: ಉತ್ತರ

ಪ್ರಧಾನ ಇಂಜಿನಿಯರ್,

ಯೋಜನೆ ಮತ್ತು ರಸ್ತೆಗಳ ಆಸ್ತಿ ನಿರ್ವಹಣಾ ಕೇಂದ್ರ,  
ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.

Received

8/3/2022



ಕರ್ನಾಟಕ ಪ್ರಧಾನ ಪರಿಷತ್

ಗ್ರಾಂತ್ಯ ರಹಿತ ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ

: 1185 (1348)

ಸದಸ್ಯರ ಹೆಸರು

: ಶಿವ ರಾಜ್.ರವಿ (ಬಳ್ಳಾರಿ, ಗ್ರಾಮೀಣ ಕ್ಷೇತ್ರ)

ಉತ್ತರಿಸಬೇಕಾದ ದಿನಾಂಕ

: 09/03/2022

ವಿಷಯ : PRAMC ಯೋಜನೆಯಡಿ ಕೈಗೊಂಡಿರುವ ಕಾಮಗಾರಿಗಳ ಬಗ್ಗೆ

ಕ್ರ.ಸಂ	ಪ್ರಶ್ನೆ	ಉತ್ತರ
ಅ)	PRAMC (Planning and Road Asset Management Centre) ಯೋಜನೆಯಡಿಯಲ್ಲಿ ಕಳೆದ 3 ವರ್ಷಗಳಲ್ಲಿ ಬೆಂಗಳೂರು ಗ್ರಾಮಾಂತರ ಮತ್ತು ರಾಮನಗರ ಜಿಲ್ಲೆಯಲ್ಲಿರುವ ಲೋಕೋಪಯೋಗಿ ಉಪವಿಭಾಗಗಳ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಕೈಗೊಂಡಿರುವ ಮತ್ತು ಮುಕ್ತಾಯಗೊಂಡ ಕಾಮಗಾರಿಗಳು ಯಾವುವು; ಈ ಕಾಮಗಾರಿಗಳಿಗೆ ನಿಗದಿಪಡಿಸಿರುವ ಮೊತ್ತವೆಷ್ಟು; (ಕಾಮಗಾರಿಗಳನ್ನು ನಿರ್ವಹಿಸಿರುವ ಗುತ್ತಿಗೆದಾರರ ವಿವರವನ್ನು ಅಳತೆ ಪುಸ್ತಕದ (ಎಂ.ಬಿ.ಬುಕ್) ದಾಖಲೆಗಳೊಂದಿಗೆ ನೀಡುವುದು)	PRAMC (Planning and Road Asset Management Centre) ಯೋಜನೆಯಡಿಯಲ್ಲಿ ಕಳೆದ 3 ವರ್ಷಗಳಲ್ಲಿ ಬೆಂಗಳೂರು ಗ್ರಾಮಾಂತರ ಮತ್ತು ರಾಮನಗರ ಜಿಲ್ಲೆಯಲ್ಲಿರುವ ಲೋಕೋಪಯೋಗಿ ಉಪವಿಭಾಗಗಳ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಕೈಗೊಂಡಿರುವ ಕಾಮಗಾರಿಗಳ ವಿವರಗಳನ್ನು ಲಗತ್ತಿಸಿದ ಅನುಬಂಧ-1 ರಲ್ಲಿ ನೀಡಿದೆ. ಕಾಮಗಾರಿಗಳನ್ನು ನಿರ್ವಹಿಸಿರುವ ಗುತ್ತಿಗೆದಾರರ ವಿವರಗಳನ್ನೊಳಗೊಂಡ ಅಳತೆ ಪುಸ್ತಕದ (ಎಂ.ಬಿ.ಬುಕ್) ದಾಖಲೆಗಳನ್ನು ಲಗತ್ತಿಸಿದೆ.
ಆ)	ಕಳೆದ 3 ವರ್ಷಗಳಲ್ಲಿ ಬೆಂಗಳೂರು ಗ್ರಾಮಾಂತರ ಮತ್ತು ರಾಮನಗರ ಜಿಲ್ಲೆಯಲ್ಲಿರುವ ಲೋಕೋಪಯೋಗಿ ಉಪವಿಭಾಗಗಳ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಮ್ಯಾನುಯಲ್ ಟೆಂಡರ್ ಮೂಲಕ ರೂ.5.00 ಲಕ್ಷ ಮೊತ್ತದ ಒಳಗೆ ಕೈಗೊಂಡಿರುವ ಮತ್ತು ಮುಕ್ತಾಯಗೊಂಡ ಯಾವುವು; (ಈ ಕಾಮಗಾರಿಗಳಿಗೆ ನಿಗದಿಪಡಿಸಿರುವ ಮೊತ್ತ, ಕಾಮಗಾರಿಗಳನ್ನು ನಿರ್ವಹಿಸಿರುವ ಗುತ್ತಿಗೆದಾರರ ವಿವರವನ್ನು ಎಸ್.ಬಿ.ಆರ್. ವಹಿಯ ದಾಖಲೆಗಳೊಂದಿಗೆ ನೀಡುವುದು)	ಕಳೆದ 3 ವರ್ಷಗಳಲ್ಲಿ ಬೆಂಗಳೂರು ಗ್ರಾಮಾಂತರ ಮತ್ತು ರಾಮನಗರ ಜಿಲ್ಲೆಯಲ್ಲಿರುವ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆಯ ಪ್ರಾಂಶಿ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಮ್ಯಾನುಯಲ್ ಟೆಂಡರ್ ಮೂಲಕ ರೂ.5.00 ಲಕ್ಷ ಮೊತ್ತದ ಒಳಗೆ ಯಾವುದೇ ಕಾಮಗಾರಿಗಳನ್ನು ಕೈಗೊಂಡಿರುವುದಿಲ್ಲ.

ಪ್ರಧಾನ ಇಂಜಿನಿಯರ್,

ಯೋಜನೆ ಮತ್ತು ರಸ್ತೆಗಳ ಅಸ್ತಿ ನಿರ್ವಹಣಾ ಕೇಂದ್ರ,  
ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.



ವಿಧಾನ ಪರಿಷತ್ ಚುಕ್ಕೆ ರಹಿತ ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ: 1185 (1348) ರ ಲಗತ್ತು ಅನುಬಂಧ

ಪ್ರಾಂಶಿ ಯೋಜನೆಯಡಿ ಕೆಳದಿ 3 ಪರ್ಷಾಗಳಲ್ಲಿ ಬೆಂಗಳೂರು ಗ್ರಾಮಾಂತರ ಮತ್ತು ರಾಮನಗರ ಜಿಲ್ಲೆಯಲ್ಲಿರುವ ಯೋಜಿಸಲ್ಪಟ್ಟ ಯೋಜನೆಗಳಿಗೆ ಉಪವಿಭಾಗಗಳ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಕೈಗೊಂಡಿರುವ

ಕಾಮಗಾರಗಳ ವಿವರ

ರೂ.ಲಕ್ಷಗಳಲ್ಲಿ

Sl. No.	District	Taluk	Name of the work	Contract Amount	Contractor Name	Upto date Expenditure	Status
1	2	3	4	5	6	7	8
<p>ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ 3054-03-337-0-07-200 ರಾಜ್ಯ ಹೆದ್ದಾರಿ ರಸ್ತೆ ಸುರಕ್ಷತಾ ಕಾಮಗಾರಿ ನಿರ್ವಹಣಾ ವೆಚ್ಚ</p>							
1	Bangalore Rural	Dodda ballapura	Road safety works on Highway connecting Nelamangala with Chikkaballapur (SH-74) at Aralu Mallige to Aralu Mallige	111.42	G.H.Raju, Ninad Constructions	111.41	ಕಾಮಗಾರಿ ಪೂರ್ಣಗೊಂಡಿದೆ
2	Bangalore Rural	Dodda ballapura	Road safety Works on Highway Nelamangala with Chikkaballapur (SH-74) at Thimmasandra Tank Bund and Rajaghatta Tank Bund	101.21	Ramesh S.T.	101.21	ಕಾಮಗಾರಿ ಪೂರ್ಣಗೊಂಡಿದೆ
3	Bangalore Rural	Dodballapura	Rectification of BlackSpot on Highway connecting Nelamangala with Chikkaballapur via Doddaballapur road (SH-74) at 21.20 KM near Akashavani	110.00	G.H.Raju, Ninad Constructions	--	ಕಾಮಗಾರಿ ಪ್ರಗತಿಯಲ್ಲಿದ್ದು, ಬಿಲ್ಲು ಸ್ವೀಕೃತಿ ಯಾಗಿರುವುದಿಲ್ಲ
4	Bangalore Rural	Dodballapura	Rectification of BlackSpot on Highway connecting Nelamangala with Chikkaballapur via Doddaballapur road (SH-74) at 18.85 KM near Sigebeli				ಕಾಮಗಾರಿ ಪ್ರಗತಿಯಲ್ಲಿದ್ದು, ಬಿಲ್ಲು ಸ್ವೀಕೃತಿ ಯಾಗಿರುವುದಿಲ್ಲ
5	Bangalore Rural	Hoskote	Rectification of BlackSpot on Highway connecting Hoskote with Venkatagirikote road (SH-95) at 4.4 KM near Haraluru Gete	55.00	M. Ganesh	--	ಕಾಮಗಾರಿ ಪ್ರಗತಿಯಲ್ಲಿದ್ದು, ಬಿಲ್ಲು ಸ್ವೀಕೃತಿ ಯಾಗಿರುವುದಿಲ್ಲ
6	Ramanagar	Ramanagara, Chamnapatna	Ramanagar Package Works: Road Safety Improvements to 16 junctions in Ramanagara & Chamnapatna Taluk in Ramanagara District	3051.28	Prakash K (KPJ Construc-tions Pvt. Ltd, in JV with M/s. Star Infratech)	2667.05	ಕಾಮಗಾರಿ ಪೂರ್ಣಗೊಂಡಿದೆ
<p>ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ 3054-03-337-0-07-200 ಜಿಲ್ಲಾ ಮುಖ್ಯ ರಸ್ತೆ - ರಸ್ತೆ ಸುರಕ್ಷತಾ ಕಾಮಗಾರಿ ನಿರ್ವಹಣಾ ವೆಚ್ಚ</p>							
1	Bangalore Rural	Dodda ballapura	Road safety works Madure temple (Kanasawadi)-Honnavara-Purushanahalli Road	99.89	Basavaraju M.C.	87.77	ಕಾಮಗಾರಿ ಪೂರ್ಣಗೊಂಡಿದೆ

1	2	3	4	5	6	7	8
2	Bangalore Rural	Dodda ballapura	Road safety works on DD Road to Nandhi Cross via Konaghatta Road	151.98	G.H.Raju, Ninad Constructions	151.43	ಕಾಮಗಾರಿ ಪೂರ್ಣಗೊಂಡಿದೆ
ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ 5054-05-337-4-02-154 ನಾಲಾ ಬದಿಗಳಲ್ಲಿ ಬ್ಯಾರಿಕೇಡಿಂಗ್ ಸುಧಾರಣೆಗಳು ಮತ್ತು ರಸ್ತೆ ಸುರಕ್ಷತಾ ಕಾಮಗಾರಿ							
1	Bangalore Rural	Dodda ballapura	Providing Safety Barrier/Crash Barrier & Other Road Safety Protection works from Road to join Shakaladevanapura, Menasi Tank Bund from KM 2.10 to 2.85 Km.	142.70	H.B. Gururaj	142.69	ಕಾಮಗಾರಿ ಪೂರ್ಣಗೊಂಡಿದೆ
2	Bangalore Rural	Nelamangala	Providing Safety Barrier/Crash Barrier & Other Road Safety Protection works for NH-4 to Sompura via Devarahosahalli, Kamalapura, Agalakuppe road, Devarahosahalli Tank Bund	67.63	H.B. Gururaj	66.18	ಕಾಮಗಾರಿ ಪೂರ್ಣಗೊಂಡಿದೆ
3	Ramanagar a	Magadi	Providing Safety Barrier/Crash Barrier & Other Road Safety Protection works for Kudur-Shivaganga Road Tank Bund from KM 3.00 to 3.25 Km.	72.43	Jayaramu L.K.	18.74	ಕಾಮಗಾರಿ ಪ್ರಗತಿಯಲ್ಲಿದೆ

ಪ್ರಧಾನ ಇಂಜಿನಿಯರ್,  
ಯೋಜನೆ ಮತ್ತು ರಸ್ತೆಗಳ ಅಸ್ತಿ ನಿರ್ವಹಣಾ ಕೇಂದ್ರ,  
ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.

BR NO - 345  
25/2/21



**GOVERNMENT OF KARNATAKA  
PUBLIC WORKS DEPARTMENT**

**Name of the work ::** Providing safety barrier/crash barrier and other road safety protection works for NH-4 to Sompura via Devarahosahalli, Kamalpura, Agalakuppe road, Devarahosahalli Tank Bund, in Nelamangala Taluk, Bangalore Rural district

**ESTIMATED AMOUNT Rs :: 75.00 LAKHS**

**HEAD OF ACCOUNT ::** 5054-05-337-4-02-154 ನಾಲೆಗಳ ಬದಿಯಲ್ಲಿ ರಸ್ತೆ ಸುರಕ್ಷತಾ ಕಾಮಗಾರಿಗಳು ಮತ್ತು ಬ್ಯಾರಿಕೇಡಿಂಗ್ ಸುಧಾರಣೆಗಳು

**Workorder No:124/2019-20 date:04-03-2020.**

**INDENT No. KPWD/2019-20/RD/WORK-INDENT 118647**

**Mesurement Book No- 3rd & FINAL**

**MB No E MB no 3**

**OFFICE OF THE ASSISTANT EXECUTIVE ENGINEER  
PUBLIC WORKS DEPARTMENT SUB-DIVISION NELAMANGALA**

GOVERNMENT OF KARNATAKA

PUBLIC WORKS PORTS & INLAND TRANSPORT DEPARTMENT

NAME OF WORK : Providing safety barrier/crash barrier and other road safety protection works for NH-4 to Sompura via Devarahosahalli,Kamalapura,Agalakuppe road,Devarahosahalli Tank Bund,in Nelamangala Taluk,Bangalore Rural district

NAME OF THE CONTRACTOR : Sri. H.B.Gururaj, S/O Boregowda, K H Halli, Amrutur Hobli, Kunigal Taluk, Tumkur District-572111.

MEASUREMENT SHEET-2nd & part

Workorder No:124/2019-20 date:04-03-2020. C.E.R.No-88/2019-20.

5054-05-337-4-02-154 ನಾಲೆಗಳ ಬದಿಯಲ್ಲಿ ರಸ್ತೆ ಸುರಕ್ಷತಾ ಕಾಮಗಾರಿಗಳು ಮತ್ತು ಬ್ಯಾರಿಕೇಡಿಂಗ್ ಸುಧಾರಣೆಗಳು

Estimated Cost Rs : 75.00 Lakhs

Sl.N	Description	Unit	No	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
6	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301---- including cost and conveyance of all materials and cost of labour, hire charges of all machineries and equipment, lead and lift loading and unloading charges, transportation charges and all other incidental charges etc complete., the work shall be carried out as per technical detailed specifications and as per direction of engineer in charge of the work.							
		Cum	60	0.45	0.45	1.100	13.37	
						Total	13.37	

H B Gururaj  
Contractor

*[Signature]*  
Assistant Engineer

21/12/2020

*[Signature]*  
Assistant Executive Engineer



Sl.N	Description	Unit	No	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
8	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM, curing complete as per specifications. Specification No. KBS 4.1, 4.2 ---- including cost and conveyance of all materials and cost of labour, hire charges of all machineries and equipment, lead and lift loading and unloading charges, transportation charges and all other incidental charges etc complete., the work shall be carried out as per technical detailed specifications and as per direction of engineer in charge of the work.							
		<b>Cum</b>	60	0.45	0.45	0.150	1.82	
						<b>Total</b>	<b>1.82</b>	

H. B. D. D. D.  
Contractor

~~Assistant Engineer~~  
Assistant Engineer

23/12/2020

Assistant Executive Engineer

Sl.N	Description	Unit	No	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9

9 KSRRB M800-23.1. Metal Beam Crash Barrier:-Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 800.10 complete as per specifications. Excluding cost of earth work excavation and PCC for fixing. A. Type - A, "W" MORTH Specification No. 810 --- including cost and conveyance of all materials and cost of labour, hire charges of all machineries and equipment, lead and lift loading and unloading charges, transportation charges and all other incidental charges etc complete., the work shall be carried out as per technical detailed specifications and as per direction of engineer in charge of the work.

Ch 1.1 to 1.28 km

M

1	30
1	30
1	30
1	30
1	30
1	30
1	2

30.00

30.00

30.00

30.00

30.00

30.00

2.00

**Total 182.00**

R/S

*[Handwritten signature]*  
15/10/2020

*[Handwritten signature]*  
Contractor

*[Handwritten signature]*  
Assistant Engineer

*[Handwritten signature]*  
Assistant Executive Engineer

Sl.N	Description	Unit	No	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
10	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.---- including cost and conveyance of all materials and cost of labour, hire charges of all machineries and equipment, lead and lift loading and unloading charges, transportation charges and all other incidental charges etc complete., the work shall be carried out as per technical detailed specifications and as per direction of engineer in charge of the work.							
		Cum	60	0.45	0.45		0.950	11.54
								11.54
								<b>Total</b> 11.54

H B B...  
Contractor

Assistant Engineer

29/12/2020

Assistant Executive Engineer

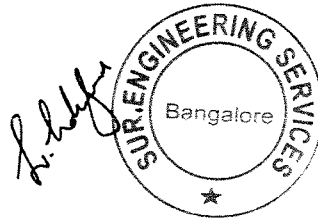
Sl.N	Description	Unit	No	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
7	KSRRB M300-Construction of Subgrade and Earthen Shoulders. KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller) MORTH Specification No. 305 ---- including cost and conveyance of all materials and cost of labour, hire charges of all machineries and equipment, lead and lift loading and unloading charges, transportation charges and all other incidental charges etc complete., the work shall be carried out as per technical detailed specifications and as per direction of engineer in charge of the work.							
		Cum	2	30.00	0.75	0.200	9.00	
						<b>Total</b>	<b>9.00</b>	

H B ROOOL  
Contractor

*[Signature]*  
Assistant Engineer

*[Signature]*  
Assistant Executive Engineer

21/12/2020



RA NO 345 / 21/12/20

REMARK 369971  
GST 44396  
TOTAL - 414367

H/A..... 5051, Bank Bend  
Admitted For Rs:..... 414367  
Pay by Cheque Rs:..... 393270  
(In words):.....  
By Adjustment Rs:..... 21097-0

D.T - 7410  
GST - 7410  
LN - 2500  
Lyle - 3710  
CBF - 67  
AG - 21097  
CH - 393270

*[Signature]*  
Auditor

*[Signature]*  
Audit Officer

*[Signature]*  
Engineer in Chief  
PRAMC, B'lore

**GOVERNMENT OF KARNATAKA**

**Public works Department**

**ELECTRONIC MEASUREMENT BOOK NO;**

**EMB-3**

**PRAMC-BLACKSPOT-**

**3rd AND FINAL BILL**

**PAGE NO 01 TO 18**

**Name of the work: Road safety works on highway connecting  
Nelamangala with Chikkaballapura (SH-74) at Aralumallige to  
Aralumallige Doddaballapura Taluk, Bangalore rural district.**

**PWD Sub-Division  
Doddaballapura**

**PWD Bangalore Division  
Bangalore**

**3rd and Final Bill**

<b>Name of the Division</b>	<b>PWD Bangalore Division, Bangalore</b>
<b>Name of the Sub-Division</b>	<b>PWD Sub-Division Doddaballapura</b>
<b>Name of Work</b>	<b>Road safety works on highway connecting Nelamangala with Chikkaballapura (SH-74) at Aralumallige to Aralumallige Doddaballapura Taluk, Bangalore rural district.</b>
<b>Estimate Cost</b>	<b>100.00 Lakhs</b>
<b>Sanction No.</b>	<b>CER No.101/2018-19</b>
<b>Head of Account</b>	<b>3054-04-337-1-07-200-SH-Road Safety works Maintenance Expenditure</b>
<b>Date of Agreement</b>	<b>Dt.21/02/2019</b>
<b>Work Order No.</b>	<b>124/2018-19, Date:21/02/2019</b>
<b>Name of Contractor</b>	<b>Sri G.H Raju, Ninada Constructions, No.4159, Niharika, 9th Cross, 'B' block, Subramanyanagar, Rajajinagar, 2nd stage, Bangalore-560021</b>
<b>Measurement Book Reference</b>	<b>M.B No. Pg. No.</b> <b>EMB No:3 P No:1-18</b>


### 3rd and Final bill


**Name of work: Road safety works on highway connecting Nelamangala with Chikkaballapura (SH-74) at Aralumallige to Aralumallige Doddaballapura Taluk, Bangalore rural district.**

### Detailed Measurements

Item SI/No	Work Description					
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transportation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
For fixing Metal Beam Crash Barrier on Aralumallige tank bund on both sides between Ch:25.00 to 26.15 km						
R/S	642	0.45	0.45	1.10	143.01	
L/S	604	0.45	0.45	1.10	134.54	
Up to Date Qty					277.55	Cum
DPQ Vide EMB No-2, Page No					-265.07	
26/8 Present Qty					12.48	Cum
Present Qty	12.48	Rate Rs.	45.36	Amount	566.00	

  
Contractor

  
26/8/19

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
3	KSRRB M500-10. Providing and applying tack coat using 80/100 grade bitumen(VG10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mchancial broom. complete as per specifications. MORTH Specification No. 503 - do - using Bitumen 80/100 (VG-10) on primed surfaces including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty vide EMB No-2,					7607.25	
Present Measurement					0.00	
Up to Date Qty					7607.25	Sqm
DPQ Vide EMB No-2					-7598.50	
Present Qty					8.75	Sqm
Present Qty	8.75		Rate Rs.	10.00	Amount	88.00

*[Signature]*  
Contractor

*[Signature]*

*[Signature]*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura



Item SI/No	Work Description					
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty vide EMB No-2,					8700.00	
Present Measurement					0.00	
Up to Date Qty					8700.00	Sqm
DPQ Vide EMB No-2					-8700.00	
Present Qty					0.00	Sqm

Contractor

*Heer*

*Prasanna*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
7	Direction and Place Identification Signs with size morethan 0.9 sqm Size Board: Providing and erecting direction and place identification retro-reflectorised sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 2 mm thick with area not exceeding 0.9 sqm supported on a mild steel single angle iron post 75 x 75 x 6 mm , 2 Nos. firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty vide EMB No-2,					12.00	
Present Measurement					0.00	
Up to Date Qty					12.00	Sqm
DPQ Vide EMB No-2					-12.00	
Present Qty					0.00	Sqm

*Heer*  
Contractor

*Heer*

*Prasanna*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
8	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per revised IRC :67-2012 made of high intensity grade sheeting vide clause 800.1.3, fixed over Aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTH Specification No.801 60cm equilateral triangle -Type XI including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty vide EMB No-2,					18.00	
Present Measurement					0.00	
Up to Date Qty					18.00	Nos
DPQ Vide EMB No-2					-18.00	
Present Qty					0.00	Nos

Contractor

*Heer*

*Osale*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
9	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per revised IRC :67-2012 made of high intensity grade sheeting vide clause 800.1.3, fixed over Aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTH Specification No.801 600 MM Circle - TYPE XI including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty vide EMB No-2,					12.00	
Present Measurement					0.00	
Up to Date Qty					12.00	Nos
DPQ Vide EMB No-2					-12.00	
Present Qty					0.00	Nos

*Heer*  
Contractor

*Heer*

*Osale*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
10	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per revised IRC :67-2012 made of high intensity grade sheeting vide clause 800.1.3, fixed over Aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTH Specification No.801 600 X 450 mm - TYPE XI including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	Previous Qty vide EMB No-2,				20.00	
	Present Measurement				0.00	
	Up to Date Qty				20.00	Nos
	DPQ Vide EMB No-2				-20.00	
	Present Qty				0.00	Nos

Contractor

*Heer*

*Heer*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
16	Road Humps / Speed breakers for control of vehicular speeds on roads Providing road humps for the entire formation width, using bituminous premix materials and heavy duty cobble stones 60 mm thick, having road hump dimension of 1.00 mtr. (width) X 0.15 mtr (height) rectangular sections and ramp on either side of road hump of 0.85 mtr (wide), including providing WBM (2 layers) for shoulder portion 1.7mts in length on either side, completing with road marking paint with applied thermoplastic compound with reflecting glass beads on bituminous surface and providing 2 Nos. retro reflective traffic signs as per IRC SP 67 -2010 (for details refer IRC 99-1988) Intermediate lane for formation width of 9.00 mtrs using SDBC mix material including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Nil						

*Heer*  
Contractor


*Heer*

*Heer*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
17	Retro-Reflectorised Traffic Signs - Providing and fixing of retro- reflectorised cautionary, mandatory and inforatory sign as per revised IRC :67- 2012 made of high intensity grade sheeting vide clause 800.1.3, fixed over Aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTH Specification No.801 60cm equilateral triangle -Type XI including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty vide EMB No-2,					4.00	
Present Measurement					0.00	
Up to Date Qty					4.00	Nos
DPQ Vide EMB No-2					-4.00	
Present Qty					0.00	Nos

  
Contractor




  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description						
4	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work						
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total	
As recorded in EMB-2		For Profile Correction					
25.00	25.03	1	14.00	2.00	0.050	1.40	
25.09	25.12	1	12.00	2.20	0.050	1.32	
25.3	25.33	1	16.00	2.50	0.050	2.00	
25.33	25.36	1	12.00	2.20	0.050	1.32	
25.36	25.39	1	14.00	2.30	0.050	1.61	
25.39	25.42	1	14.00	2.50	0.050	1.75	
25.36	25.39	1	15.00	2.40	0.050	1.80	
25.39	25.42	1	25.00	2.60	0.050	3.25	
25.42	25.45	1	15.00	2.20	0.050	1.65	
25.45	25.48	1	14.00	2.40	0.050	1.68	
25.3	25.33	1	14.00	2.50	0.050	1.75	
25.33	25.36	1	12.00	2.60	0.050	1.56	
25.36	25.39	1	13.00	2.70	0.050	1.76	
25.39	25.42	1	14.00	2.40	0.050	1.68	
25.42	25.60	4	12.00	2.20	0.050	5.28	
		4	16.00	2.00	0.050	6.40	
25.60	25.80	4	18.00	2.70	0.050	9.72	
		4	21.00	2.70	0.050	11.34	
25.80	26.00	4	12.50	2.50	0.050	6.25	
		4	16.50	2.70	0.050	8.91	
26.00	26.20	4	16.00	2.60	0.050	8.32	
		4	18.00	2.80	0.050	10.08	
		4	21.00	2.50	0.050	10.50	
		3	26.00	3.20	0.050	12.48	
Up to Date Qty					113.28	Cum	
DPQ Vide EMB No-1, Page No					-22.00		
26/8 Present Claimed Qty					91.28	Cum	
Reserved Qty		91.28	Rate Rs.	5793.27	Amount	528810.00	

  
Contractor

  
26/8/19

  
Assistant Executive Engineer,  
PW, P & IWTD Sub-Division,  
Doddaballapura

Item SI/No		Work Description					
5		KSRRB M500-18. Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 508 complete in all respects complete as per specifications do - using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (25 mm to 30 mm) with 5 % VG-30 Bitumen including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total	
As recorded in EMB-2							
25.00	25.03	1	30.00	(5.90+6.10)/2	0.025	4.50	
25.03	25.06	1	30.00	(6.10+6.00)/2	0.025	6.83	
25.06	25.09	1	30.00	(6.00+5.90)/2	0.025	4.46	
25.09	25.12	1	30.00	(5.90+5.90)/2	0.025	4.43	
25.12	25.15	1	30.00	(5.90+5.90)/2	0.025	4.43	
25.15	25.18	1	30.00	(5.90+6.10)/2	0.025	4.50	
25.18	25.21	1	30.00	(6.10+6.00)/2	0.025	4.54	
25.21	25.24	1	30.00	(6.00+6.05)/2	0.025	4.52	
25.24	25.27	1	30.00	(6.05+6.00)/2	0.025	4.52	
25.27	25.3	1	30.00	(6.00+5.80)/2	0.025	4.43	
25.3	25.33	1	30.00	(5.80+6.00)/2	0.025	4.43	
25.33	25.36	1	30.00	(6.00+5.90)/2	0.025	4.46	
25.36	25.39	1	30.00	(5.90+5.70)/2	0.025	4.35	
25.39	25.42	1	30.00	(5.70+6.70)/2	0.025	4.65	
25.42	25.45	1	30.00	(6.70+6.15)/2	0.025	4.82	
25.45	25.48	1	30.00	(6.15+5.90)/2	0.025	4.52	
25.48	25.51	1	30.00	(5.90+5.80)/2	0.025	4.39	
25.51	25.54	1	30.00	(5.80+5.80)/2	0.025	4.35	
25.54	25.57	1	30.00	(5.80+6.10)/2	0.025	4.46	
25.57	25.6	1	30.00	(6.10+5.70)/2	0.025	4.43	
25.6	25.63	1	30.00	(5.70+5.70)/2	0.025	4.28	
25.63	25.66	1	30.00	(5.70+5.90)/2	0.025	4.35	
25.66	25.69	1	30.00	(5.90+5.70)/2	0.025	4.35	
25.69	25.72	1	30.00	(5.70+6.10)/2	0.025	4.43	
25.72	25.75	1	30.00	(6.10+5.60)/2	0.025	4.39	
25.75	25.78	1	30.00	(5.60+5.80)/2	0.025	4.28	


*P. C. J.*  
30/8

*Jeeva*  
20/8/19

25.78	25.81	1	30.00	(5.80+5.70)/2	0.025	4.31	
25.81	25.84	1	30.00	(5.70+5.80)/2	0.025	4.31	
25.84	25.87	1	30.00	(5.80+5.70)/2	0.025	4.31	
25.87	25.9	1	30.00	(5.70+5.80)/2	0.025	4.31	
25.9	25.93	1	30.00	(5.80+5.70)/2	0.025	4.31	
25.93	25.96	1	30.00	(5.70+5.80)/2	0.025	4.31	
25.96	25.99	1	30.00	(5.80+6.00)/2	0.025	4.43	
25.99	26.02	1	30.00	(6.00+5.90)/2	0.025	4.46	
26.02	26.05	1	30.00	(5.90+6.90)/2	0.025	4.80	
26.05	26.08	1	30.00	(6.90+5.80)/2	0.025	4.76	
26.11	26.14	1	30.00	(5.80+5.80)/2	0.025	4.35	
26.14	26.17	1	30.00	(5.80+5.85)/2	0.025	4.37	
26.17	26.20	1	30.00	(5.85+5.80)/2	0.025	4.37	
26.20	26.23	1	30.00	(5.80+5.75)/2	0.025	4.33	
26.23	26.26	1	30.00	(5.75+5.60)/2	0.025	4.26	
26.26	26.29	1	30.00	(5.60+5.65)/2	0.025	4.22	
26.29	26.32	1	30.00	(5.65+5.55)/2	0.025	4.20	
						192.47	Cum
Up to Date Qty							
DPO Wide EMB No-1, Page No						-192.47	
Present Qty						0.00	Cum
Present Qty	0.00	Rate Rs.	5500.00	Amount	0.00		

 Contractor

  
30/8/19

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No		Work Description				
6		KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work				
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
24.25	24.28	2	30.00	0.15	9.00	
24.28	24.31	2	30.00	0.15	9.00	
24.31	24.34	2	30.00	0.15	9.00	
24.34	24.37	2	30.00	0.15	9.00	
24.37	24.40	2	30.00	0.15	9.00	
24.40	24.43	2	30.00	0.15	9.00	
24.43	24.46	2	30.00	0.15	9.00	
24.46	24.49	2	30.00	0.15	9.00	
24.49	24.52	2	30.00	0.15	9.00	
24.52	24.55	2	30.00	0.15	9.00	
24.55	24.58	2	30.00	0.15	9.00	
24.58	24.61	2	30.00	0.15	9.00	
24.61	24.64	2	30.00	0.15	9.00	
24.64	24.67	2	30.00	0.15	9.00	
24.67	24.70	2	30.00	0.15	9.00	
24.70	24.73	2	30.00	0.15	9.00	
24.76	24.79	2	30.00	0.15	9.00	
24.82	24.85	2	30.00	0.15	9.00	
24.88	24.91	2	30.00	0.15	9.00	
24.94	24.97	2	30.00	0.15	9.00	
25.00	25.03	2	30.00	0.15	9.00	
25.03	25.06	2	30.00	0.15	9.00	
25.06	25.09	2	30.00	0.15	9.00	
25.09	25.12	2	30.00	0.15	9.00	
25.12	25.15	2	30.00	0.15	9.00	
25.15	25.18	2	30.00	0.15	9.00	
25.18	25.21	2	30.00	0.15	9.00	
25.21	25.24	2	30.00	0.15	9.00	
25.24	25.27	2	30.00	0.15	9.00	
25.27	25.3	2	30.00	0.15	9.00	

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25.3	25.33	2	30.00	0.15		9.00 ✓
25.33	25.36	2	30.00	0.15		9.00 ✓
25.36	25.39	2	30.00	0.15		9.00 ✓
25.39	25.42	2	30.00	0.15		9.00 ✓
25.42	25.45	2	30.00	0.15		9.00 ✓
25.45	25.48	2	30.00	0.15		9.00 ✓
25.48	25.51	2	30.00	0.15		9.00 ✓
25.51	25.54	2	30.00	0.15		9.00 ✓
25.54	25.57	2	30.00	0.15		9.00 ✓
25.57	25.6	2	30.00	0.15		9.00 ✓
25.6	25.63	2	30.00	0.15		9.00 ✓
25.63	25.66	2	30.00	0.15		9.00 ✓
25.66	25.69	2	30.00	0.15		9.00 ✓
25.69	25.72	2	30.00	0.15		9.00 ✓
25.72	25.75	2	30.00	0.15		9.00 ✓
25.75	25.78	2	30.00	0.15		9.00 ✓
25.78	25.81	2	30.00	0.15		9.00 ✓
25.81	25.84	2	30.00	0.15		9.00 ✓
25.84	25.87	2	30.00	0.15		9.00 ✓
25.87	25.9	2	30.00	0.15		9.00 ✓
25.9	25.93	2	30.00	0.15		9.00 ✓
25.93	25.96	2	30.00	0.15		9.00 ✓
25.96	25.99	2	30.00	0.15		9.00 ✓
25.99	26.02	2	30.00	0.15		9.00 ✓
26.02	26.05	2	30.00	0.15		9.00 ✓
26.05	26.08	2	30.00	0.15		9.00 ✓
26.11	26.14	2	30.00	0.15		9.00 ✓
26.14	26.17	2	30.00	0.15		9.00 ✓
26.17	26.20	2	30.00	0.15		9.00 ✓
26.20	26.23	2	30.00	0.15		9.00 ✓
26.23	26.26	2	30.00	0.15		9.00 ✓
26.26	26.29	2	30.00	0.15		9.00 ✓
26.29	26.32	2	30.00	0.15		9.00 ✓
26.32	26.35	2	30.00	0.15		9.00 ✓
26.35	26.38	2	30.00	0.15		9.00 ✓
26.38	26.41	2	30.00	0.15		9.00 ✓
26.41	26.44	2	30.00	0.15		9.00 ✓

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*18/2/19*

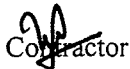
26.44	26.47	2	30.00	0.15		9.00	
26.47	26.5	2	30.00	0.15		9.00	
26.5	26.53	2	30.00	0.15		9.00	
26.53	26.56	2	15.00	0.15		4.50	
Near Humps in Alahalli Village		2x10	5.00	0.30		30.00	
Up to Date Qty						673.20	Sqm
DPQ Vide EMB No-1, Page No						-426.00	
Present Qty						247.20	Sqm
Present Qty		247.20	Rate Rs.		474.56	Amount	117311.00

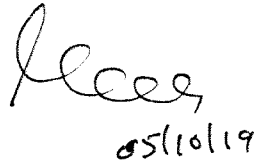
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18/9/19

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Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
11	Manufacturing, Supply and installation of Retro- reflective Hazard Marker signboards made out of cube corner micro prismatic grade sheeting conforming to Type XI standards of IRC:67:2012 & ASTM D 4956-09 specification & fixed over 4 mm thick Aluminium Composite Panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over back support frame of 25x25x 3mm MS angle frame. Supported on round pipe post of 1.5 Meters height and gouted 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and two coats of synthetic enamel paint of black and firmly fixed to the ground by means of foundation with M 20 grade cement, concrete foundation size of 45 cm x 45 cm x 60 cm including cost & conveyance of all materials, equipment, machinery & Labour with all leads and lifts, Loading charges necessary for satisfactory completion of the work as directed by engineer incharge including all lead and lift, loding and nloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
B/W Ch:25.40 to 26.00 km	12				12.00	
Up to Date Qty					12.00	Each
DPQ Vide EMB No-2,					-4.00	
Present Qty					8.00	Each
Present Qty	8.00		Rate Rs.	5163.83	Amount	41311.00

  
Contractor


  
05/10/19

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item S/No	Work Description					
12	KSRRB M800 Road markers / Road stud KSRRB M800-35. Supply and Installation of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer with 2 years warranty for the reflectivity from the original manufacturer is mandatory along with necessary test certification from the certified laboratory. Third party test certificates from a reputed test laboratory shall be submitted with Seal and Signature in Originals. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
LHS	1050				1050.00	
RHS	1050				1050.00	
Cross lines	200				200.00	
	Up to Date Qty				2300.00	Nos
	DPQ Vide EMB No-2,				-1900.00	
	Present Qty				400.00	Nos
Present Qty	400.00		Rate Rs.	372.79	Amount	149116.00

  
Contractor

  
05/10/19

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No		Work Description					
13		KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications, including cost of earth, watering charges & compaction by vibratory roller to 97% of modified proctors density) MORTH Specification No. 305 including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
		No	Length	Avg Width	Avg Depth	Quantity	Grand total
24.00	24.03	2	30.00	1.20	0.10	7.20 ✓	
24.03	24.06	2	30.00	1.20	0.10	7.20 ✓	
24.06	24.09	2	30.00	1.20	0.10	7.20 ✓	
24.09	24.12	2	30.00	1.20	0.10	7.20 ✓	
24.12	24.15	2	30.00	1.20	0.10	7.20 ✓	
24.15	24.18	2	30.00	1.20	0.10	7.20 ✓	
24.18	24.21	2	30.00	1.20	0.10	7.20 ✓	
24.21	24.24	2	30.00	1.20	0.10	7.20 ✓	
24.24	24.27	2	30.00	1.20	0.10	7.20 ✓	
24.27	24.30	2	30.00	1.20	0.10	7.20 ✓	
24.30	24.33	2	30.00	1.20	0.10	7.20 ✓	
24.33	24.36	2	30.00	1.20	0.10	7.20 ✓	
24.36	24.39	2	30.00	1.20	0.10	7.20 ✓	
24.70	24.73	2	30.00	0.60	0.10	3.60 ✓	
24.76	24.79	2	30.00	0.60	0.10	3.60 ✓	
24.82	24.85	2	30.00	0.60	0.10	3.60 ✓	
24.88	24.91	2	30.00	0.60	0.10	3.60 ✓	
24.94	24.97	2	30.00	0.60	0.10	3.60 ✓	
25.00	25.03	2	30.00	0.60	0.10	3.60 ✓	
25.03	25.06	2	30.00	0.60	0.10	3.60 ✓	
25.06	25.09	2	30.00	0.60	0.10	3.60 ✓	
25.09	25.12	2	30.00	0.60	0.10	3.60 ✓	
25.12	25.15	2	30.00	0.60	0.10	3.60 ✓	
25.15	25.18	2	30.00	0.60	0.10	3.60 ✓	
25.18	25.21	2	30.00	0.60	0.10	3.60 ✓	
25.21	25.24	2	30.00	0.60	0.10	3.60 ✓	
25.24	25.27	2	30.00	0.60	0.10	3.60 ✓	
25.27	25.30	2	30.00	0.60	0.10	3.60 ✓	


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25.30	25.33	2	30.00	0.60	0.10	3.60	
25.33	25.36	2	30.00	0.60	0.10	3.60	
25.36	25.39	2	30.00	0.60	0.10	3.60	
25.39	25.42	2	30.00	0.60	0.10	3.60	
25.42	25.45	2	30.00	0.60	0.10	3.60	
25.45	25.48	2	30.00	0.60	0.10	3.60	
25.48	25.51	2	30.00	0.60	0.10	3.60	
25.51	25.54	2	30.00	0.60	0.10	3.60	
25.54	25.57	2	30.00	0.60	0.10	3.60	
25.57	25.60	2	30.00	0.60	0.10	3.60	
25.60	25.63	2	30.00	0.60	0.10	3.60	
25.63	25.66	2	30.00	0.60	0.10	3.60	
25.66	25.69	2	30.00	0.60	0.10	3.60	
25.69	25.72	2	30.00	0.60	0.10	3.60	
25.72	25.75	2	30.00	0.60	0.10	3.60	
25.75	25.78	2	30.00	0.60	0.10	3.60	
25.78	25.81	2	30.00	0.60	0.10	3.60	
25.81	25.84	2	30.00	0.60	0.10	3.60	
25.84	25.87	2	30.00	0.60	0.10	3.60	
25.87	25.90	2	30.00	0.60	0.10	3.60	
25.90	25.93	2	30.00	0.60	0.10	3.60	
25.93	25.96	2	30.00	0.60	0.10	3.60	
25.96	25.99	2	30.00	0.60	0.10	3.60	
25.99	26.02	2	30.00	0.60	0.10	3.60	
26.02	26.05	2	30.00	0.60	0.10	3.60	
26.05	26.08	2	30.00	0.60	0.10	3.60	
26.08	26.11	2	30.00	0.60	0.10	3.60	
26.11	26.14	2	30.00	0.60	0.10	3.60	
26.14	26.17	2	30.00	0.60	0.10	3.60	
Up to Date Qty						252.00	Cum
DPQ Vide EMB No-2,						-237.60	
Present Qty						14.40	Cum
Present Qty	14.40	Rate Rs.	386.07	Amount	5559.00		

  
Contractor

  
05/10/19

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
14	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
For fixing Metal Beam Crash Barrier						
R/S	642	0.45	0.45	0.30	39.00	
L/S	604	0.45	0.45	0.30	36.69	
Up to Date Qty					75.69	Cum
DPQ Vide EMB No-1 & 2,					-60.74	
Present Qty					14.95	Cum
Present Qty	14.95	Rate Rs.		5844.16	Amount	87396.00

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05/10/19

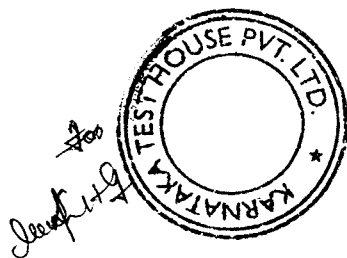
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Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
15	KSRRB M800-23.1. Metal Beam Crash Barrier:-Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 800.10 complete as per specifications. Excluding cost of earth work excavation and PCC for fixing. A. Type - A, "W" MORTH Specification No. 810 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Item SI/No	No	Length	Avg Width	Avg Depth	Quantity	Grand total
For fixing Metal Beam Crash Barrier						
R/S	284				1284.00	
L/S	206				1206.00	
Up to Date Qty					<b>2490.00</b>	<b>M</b>
DBO Vide EMB No-1, Page No					<b>-2290.00</b>	
Present Qty					<b>200.00</b>	<b>M</b>
Present Qty	<b>200.00</b>		<b>Rate Rs.</b>	<b>2419.81</b>	<b>Amount</b>	<b>483962.00</b>

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Contractor

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05/10/19

*[Signature]*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura







GOVERNMENT OF KARNATAKA

**PUBLIC WORKS PORTS AND INLAND WATER TRANSPORT  
DEPARTMENT**

**FINAL BILL**

Road Safety Improvements to 16 junctions in Ramanagara & Chanapatna taluk in Ramanagara District

a) Dodda Maluru Junction (Infront of Abhaygalu Krishna Temple), Court Circle, Police Station Circle, Police Training School (Entrance) in Channapatna Taluk, Ramanagara District.

b) Sathnur Circle & Yarabanagara Cross in Channapatna Taluk, Ramanagara District.

**Name of Work :**

c) Vandarakuppe Gate & Kuvempu College in Channapatna Taluk, Ramanagara District.

d) Kengal Kanva Road near Kengal Temple in Channapatna Taluk, Ramanagara District.

e) Kanakapura Junction, Janapada Loka, Government Engineering College Junction, Kethaganahalli & Vaderahalli Gate in Ramanagara Taluk, Ramanagara District.

f) APMC Junction & Manchashettihalli Cross in Ramanagara Taluk, Ramanagara District.

**Estimated Cost :**

Rs. 2500.00 Lakhs

**Head of account :**

3054-03-337-0-07-200 SH- Road Safety Works Maintaince Expenditure.

**Contractor :**

K Prakash M/s K.P.J.Constructions Pvt. Ltd.

**Work Order No. :**

129/2018-19 Dated 23/02/2019

**E-MB-5**

**Name of the work:**  
 Road Safety Improvements to 16 junctions in Ramanagara & Chanapatna taluk in Ramanagara District  
 a) Doddla Maluru Junction (Infront of Abhaygulu Krishna Temple), Court Circle, Police Station Circle, Channapatna Taluk, Ramanagara District.  
 b) Sathnur Circle & Yarabanagara Cross in Channapatna Taluk, Ramanagara District.  
 c) Vandarakuppe Gate & Kuvempu College in Channapatna Taluk, Ramanagara District.  
 d) Kengal Kanva Road near Kengal Temple in Channapatna Taluk, Ramanagara District.  
 e) Kanakapura Junction, Janapada Loka, Government Engineering College Junction, Kethaganahalli & Vaderahalli Gate in Ramanagara Taluk, Ramanagara District.  
 f) APMC Junction & Manchashethihalli Cross in Ramanagara Taluk, Ramanagara District.

**EMB BILL-FINAL**  
**ABSTRACT**

**Contractor:** K Prakash M/s K.P.J.Constructions Pvt. Ltd.  
**H/A:** 3054-03-337-0-07-200 SH- Road Safety Works Maintaince Expenditure.  
**R. A. Bill - 001** 001

Sl No	Description of work	Unit	Supplementary BOQ			Previous Measurement			Present Measurement			Upto dated Measurement			
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	
1	KSRRB 200-1. Cutting of trees girth from 300mm to 600mm including cutting of trunks, branches and removal of stumps stacking of serviceable materials earth filling in the depressions / pit, labour charges complete as per specifications. MORTH specification clause 201/Chapter 2 (Pg No: 138, M200-11.1. Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials	Each	4	329.79	1319.16	0.00	329.79	0.00	0.00	329.79	0.00	0.00	0.00	329.79	0.00
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross	Ha	3.88	20415.60	79140.26	2.86	20415.60	58410.46	0.00	20415.60	0.00	20415.60	2.86	20415.60	58410.46
3	KSRRB M300-55. Construction of sub-grade and earthen shouldlers with approved material Gravel/Murum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of	cum	86830.93	45.18	3923021.42	72314.50	45.18	3267169.22	0.00	45.18	0.00	45.18	72314.50	45.18	3267169.22
4		cum	36230.88	384.60	13934394.53	31433.71	384.60	12089402.94	0.00	384.60	0.00	384.60	31433.71	384.60	12089402.94

Sl No	Description of work	Unit	Supplementary BOQ			Previous Measurement			Present Measurement			Upto dated Measurement		
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount
5	KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per	cum	86830.93	36.36	3157172.61	72314.50	36.36	2629355.31	0.00	36.36	0.00	72314.50	36.36	2629355.31
6	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occurring during rolling including cost of all labour, HOM of	Sqm	83212.00	6.60	549199.20	67770.35	6.60	447284.31	0.00	6.60	0.00	67770.35	6.60	447284.31
7	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete	cum	12808.00	385.15	4932999.68	12741.50	385.15	4907388.73	0.00	385.15	0.00	12741.50	385.15	4907388.73
8	Construction of granular sub-base Grading-Vas Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC,	cum	16067.72	2073.95	33323647.89	13540.57	2073.95	28082465.15	0.00	2073.95	0.00	13540.57	2073.95	28082465.15
9	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the	cum	20289.69	2080.57	42214111.52	17580.99	2080.57	36578480.36	221.31	2080.57	460450.95	17802.30	2080.57	37038931.31
10	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm	Sqm	82117.00	30.86	2534130.62	67564.70	30.86	2085046.64	0.00	30.86	0.00	67564.70	30.86	2085046.64

SI No	Description of work	Unit	Supplementary BOQ			Previous Measurement			Present Measurement			Upto dated Measurement		
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount
11	KSRRB 500-1. Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old	Sqm	83190.00	23.14	1925016.60	67654.85	23.14	1565533.23	0.00	23.14	0.00	67654.85	23.14	1565533.23
12	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of	Sqm	11167.03	5.51	61530.34	11149.59	5.51	61434.24	0.00	5.51	0.00	11149.59	5.51	61434.24
13	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road	Sqm	90288.03	13.22	1193607.76	79186.35	13.22	1046843.55	0.00	13.22	0.00	79186.35	13.22	1046843.55
14	KSRRB M500-10. Providing and applying tack coat using 80/100 grade bitumen(VG10) in boiler fitted with spray set distributor at the rate of 0.25 kg per sqm on the existing prepared bituminous surface (primed surface)	Sqm	0.00	11.00	0.00	0.00	11.00	0.00	0.00	11.00	0.00	0.00	11.00	0.00
15	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site,	Cum	7666.53	7129.90	54661615.51	6938.13	7129.90	49468169.52	0.00	7129.90	0.00	6938.13	7129.90	49468169.52
16	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver	Cum	4235.31	8225.30	34836654.22	3775.64	8225.30	31055800.48	0.00	8225.30	0.00	3775.64	8225.30	31055800.48

SI No	Description of work	Unit	Supplementary BOQ			Previous Measurement			Present Measurement			Upto dated Measurement		
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount
17	KSRB 14.6-2 :Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of	Sqm	3625.00	1223.22	4434172.50	3099.92	1223.22	3791884.14	1106.67	1223.22	1353697.82	4206.59	1223.22	5145581.96
18	KSRRB M400-Construction of Median and Island with soil taken from Roadway cutting KSRRB M400-18. Construction of Median and island above road level with approved material deposited at site from roadway	cum	1973.27	192.85	380545.12	0.00	192.85	0.00	0.00	192.85	0.00	0.00	192.85	0.00
19	KSRRB M300-2.2. Grassing with Doobs grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for moving including supplying good earth if	Sqm	921.00	93.67	86270.07	0.00	93.67	0.00	0.00	93.67	0.00	0.00	93.67	0.00
20	KSRRB M200-13.1 - Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T&P scaffolding	cum	19.20	429.78	8251.78	14.70	429.78	6317.77	0.00	429.78	0.00	14.70	429.78	6317.77
21	KSRRB M2100-1.1- Excavation in Ordinary Soil KSRRB M2100-1.1. Earth work in excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and	Cum	4648.77	214.89	998973.65	3961.94	214.89	851382.04	0.00	214.89	0.00	3961.94	214.89	851382.04
22	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications.	M	30.00	1690.46	50713.80	0.00	1690.46	0.00	0.00	1690.46	0.00	0.00	1690.46	0.00

Sl No	Description of work	Unit	Supplementary BOQ			Previous Measurement			Present Measurement			Upto dated Measurement		
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount
23	K8RRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing cost of	Cum	511.90	4657.04	2383944.60	382.36	4657.04	1780665.81	0.00	4657.04	0.00	382.36	4657.04	1780665.81
24	K8RRB M2100-15.2. Providing and laying Plain /Reinforcement Cement Concrete M20 with OPC @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @	Cum	74.88	5352.40	400785.09	60.51	5352.40	323852.89	0.00	5352.40	0.00	60.51	5352.40	323852.89
25	K8RRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplasticiser @31ts	Cum	1752.16	5700.60	9983444.02	1750.52	5700.60	9979014.31	0.00	5700.60	0.00	1750.52	5700.60	9979014.31
26	K8RRB M2200-5.12. Providing and laying Design mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7cum and fine aggregates @ 0.47cum, with superplasticiser @31ts	Cum	60.00	5863.72	351823.20	53.41	5863.72	313169.56	0.00	5863.72	0.00	53.41	5863.72	313169.56
27	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications.	M	82.00	6063.19	497181.58	30.00	6063.19	181895.70	0.00	6063.19	0.00	30.00	6063.19	181895.70
28	Providing and laying 100 mm thick pre-cast cover slabs over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00 kg/Sqm, slabs JOinted in CM 1:3 proportion and nicely finished	M	85.00	1191.26	101257.10	0.00	1191.26	0.00	0.00	1191.26	0.00	0.00	1191.26	0.00

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			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount
29	KSRRB M2500- Pitching KSRRB M2500-3. Providing and laying Filter material underneath pitching in slopes complete as per drawing and Technical specification MORTH Specification No. 2504 -- Including cost and	Cum	4.60	2580.88	11872.05	0.00	2580.88	0.00	2580.88	0.00	2580.88	0.00	2580.88	0.00
30	KSRRB M2500-4.1. Providing and laying Pitching stones of size 0.3x0.3x0.3 m on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing	Cum	7.20	1777.52	12798.14	0.00	1777.52	0.00	1777.52	0.00	1777.52	0.00	1777.52	0.00
31	KSRRB M2200- 9. Providing and laying of Filter Media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2 of MoRT&H specifications to a thickness of not less	Cum	0.00	2304.28	0.00	0.00	2304.28	0.00	2304.28	0.00	2304.28	0.00	2304.28	0.00
32	KSRRB M2500-1.1. Providing and laying boulders apron on river bed for protection against scour with stone boulders weighing not less than 40 Kg each complete as per drawing and Technical specification including cost	Cum	9.45	1777.52	16797.56	0.00	1777.52	0.00	1777.52	0.00	1777.52	0.00	1777.52	0.00
33	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. - of size 450 x 200 x 400 mm (Pg.No. , Sl.No: 5.29.1)	No	3202.50	495.90	1588118.30	1870.00	495.90	927333.00	0.00	495.90	1870.00	495.90	927333.00	
34	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and	Tonnes	122.38	75192.56	9201938.04	108.87	75192.56	8186356.69	0.00	75192.56	108.87	75192.56	8186356.69	

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			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount
35	KSRRB M800-23.1. Metal Beam Crash Barrier-Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel	M	4900.00	2158.81	10578169.00	4835.00	2158.81	10437846.35	0.00	2158.81	0.00	4835.00	2158.81	10437846.35
36	Direction and Place Identification Signs with size morethan 0.9 sqm Size Board: Providing and erecting direction and place identification retro-reflectorisred sign as per IRC:67 made of high intensity grade sheeting vide	Sqm	143.50	7857.24	1127513.94	0.00	7857.24	0.00	0.00	7857.24	0.00	0.00	7857.24	0.00
37	Retro-Reflectorisred Traffic Signs Providing and fixing of retro - reflectorisred cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium	No	184.00	3806.30	700359.20	133.00	3806.30	506237.90	0.00	3806.30	0.00	133.00	3806.30	506237.90
38	Retro-Reflectorisred Traffic Signs Providing and fixing of retro - reflectorisred cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium	No	17.00	2747.28	46703.76	0.00	2747.28	0.00	0.00	2747.28	0.00	0.00	2747.28	0.00
39	Retro-Reflectorisred Traffic Signs Providing and fixing of retro - reflectorisred cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium	No	66.00	3440.40	227066.40	66.00	3440.40	227066.40	0.00	3440.40	0.00	66.00	3440.40	227066.40
40	Retro-Reflectorisred Traffic Signs Providing and fixing of retro - reflectorisred cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium	No	74.00	4514.88	334101.12	74.00	4514.88	334101.12	0.00	4514.88	0.00	74.00	4514.88	334101.12



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			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount
41	Retro-Reflectored Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium	No	108.00	3369.90	363949.20	4.00	3369.90	13479.60	0.00	3369.90	0.00	4.00	3369.90	13479.60
42	Retro-Reflectored Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium	No	20.00	5561.78	111235.60	5.00	5561.78	27808.90	0.00	5561.78	0.00	5.00	5561.78	27808.90
43	Direction and Place Identification Signs upto 0.9 sqm Size Board: Providing and erecting direction and place identification retro-reflectored sign as per IRC:67 made of high intensity grade sheeting vide Clause	Sqm	38.00	7563.00	287394.00	27.00	7563.00	204201.00	0.00	7563.00	0.00	27.00	7563.00	204201.00
44	Manufacturing, Supply and installation of Retro- reflective Hazard Marker signboards made out of cube corner micro prismatic grade sheeting conforming to Type XI standards of IRC672012 & ASTM D 4956-09	Each	35.64	5144.12	183336.44	35.00	5144.12	180044.20	0.00	5144.12	0.00	35.00	5144.12	180044.20
45	Providing road humps for the entire formation width, using bituminous premix materials and heavy duty cobble stones 60 mm thick, having road hump dimension of 1.00 mtr. (width) X 0.15 mtr (height) rectangular sections and	Unit	4.00	55247.52	220990.08	4.00	55247.52	220990.08	0.00	55247.52	0.00	4.00	55247.52	220990.08
46	KSRRB M800-13 Road Marking with Hot Applied Thermoplastic Compound with Reflecting Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including	Sqm	12539.78	472.76	5928308.28	6197.70	472.76	2930026.54	0.00	472.76	0.00	6197.70	472.76	2930026.54

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			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount
47	KSRRB M800-35. Supply and Installation of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic	Nos	22124.00	371.37	8216189.88	13226.00	371.37	4911739.62	0.00	371.37	0.00	13226.00	371.37	4911739.62
48	KSRRB Supply & Installation of Rigid Median Marker made of tough, high impact resistant, injection-molded, thermoplastic body with an isosceles trapezoidal structure of length, width and height not less than 15cm, 10cm	Nos	2265.00	490.39	1110733.35	1773.00	490.39	869461.47	0.00	490.39	0.00	1773.00	490.39	869461.47
49	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflecting Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including	Sqm	3449.52	1527.59	5269451.82	1219.70	1527.59	1863201.52	0.00	1527.59	0.00	1219.70	1527.59	1863201.52
	<b>TOTAL</b>				<b>262546849.99</b>			<b>222410860.76</b>			<b>1814148.77</b>			<b>224225009.53</b>
NON BoQ 1	KSRB 15-20.1 : Providing and applying floor painting with ready mix paint in (excluding priming coat ) on new concrete I asbestos cement sheet/plastered surfaces brushing to give an even shade after preparing the	Sqm	700.00	78.02	54614.00	545.44	78.02	42554.84	0.00	78.02	0.00	545.44	78.02	42554.84
NON BoQ 2	Providing and fixing to wall, ceiling and floor unplasticised PVC 6. 00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all	M	450.00	937.37	421816.50	353.00	937.37	330891.61	0.00	937.37	0.00	353.00	937.37	330891.61
NON BoQ 3	KSRB13-8 : Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the	M	200.00	358.24	71648.00	157.00	358.24	56243.68	0.00	358.24	0.00	157.00	358.24	56243.68


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			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount
NON BoQ 4	KSRB13-8 : Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the	M	200.00	286.81	57362.00	131.00	286.81	37572.11	0.00	286.81	0.00	131.00	286.81	37572.11
NON BoQ 5	Provision of IPZ camera and accessories at identified junctions including transportation charges, packing and shifting as per appended Vendor quote	Nos	1.00	6984302.00	6984302.00	1.00	6984302.00	6984302.00	0.00	6984302.00	0.00	1.00	6984302.00	6984302.00
NON BoQ 6	Solar Blinker (as approved rate in KSHIP)	Nos	32.00	77417.00	2477344.00	32.00	77417.00	2477344.00	0.00	77417.00	0.00	32.00	77417.00	2477344.00
NON BoQ 7	High Mast pole													
1	Fabrication, supplying and erection, testing and commissioning of .....Mtrs Polygon high mast with The mast shall have power tool operating on 230/415V, 50Hz, 1/3 phases reversible geared motor. The	Each	1	188302.40	188302.40	1.00	0.00	0.00	0.00	188302.40	0.00	1.00	188302.40	188302.40
2	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed,	Mtrs	80.00	165.24	13218.83	80.00	0.00	0.00	0.00	165.24	0.00	80.00	165.24	13218.83
3	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole	Mtrs	70.00	12.71	889.73	70.00	0.00	0.00	0.00	12.71	0.00	70.00	12.71	889.73
4	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole	Mtrs	10.00	36.48	364.84	10.00	0.00	0.00	0.00	36.48	0.00	10.00	36.48	364.84
5	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and	Mtrs	70.00	124.75	8732.52	70.00	0.00	0.00	0.00	124.75	0.00	70.00	124.75	8732.52
6	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and	Mtrs	6.00	137.70	826.18	6.00	0.00	0.00	0.00	137.70	0.00	6.00	137.70	826.18

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			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	
7	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on	Mtrs	10.00	406.03	4060.27	10.00	0.00	0.00	0.00	406.03	0.00	0.00	10.00	406.03	4060.27
8	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) (61/7.14)32	No	1.00	143.58	143.58	1.00	0.00	0.00	0.00	143.58	0.00	0.00	1.00	143.58	143.58
9	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc using 40mm	No	3.00	5080.63	15241.90	3.00	0.00	0.00	0.00	5080.63	0.00	0.00	3.00	5080.63	15241.90
10	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.	Mtrs	15.00	138.87	2083.10	15.00	0.00	0.00	0.00	138.87	0.00	0.00	15.00	138.87	2083.10
11	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.	Sqmm	12.00	3.67	44.06	12.00	0.00	0.00	0.00	3.67	0.00	0.00	12.00	3.67	44.06
12	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.	Sqmm	8.00	13.31	106.49	8.00	0.00	0.00	0.00	13.31	0.00	0.00	8.00	13.31	106.49
13	Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminium housing	Each	8.00	27747.54	221980.28	8.00	0.00	0.00	0.00	27747.54	0.00	0.00	8.00	27747.54	221980.28
14	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps,	Each	8.00	207.13	1657.06	8.00	0.00	0.00	0.00	207.13	0.00	0.00	8.00	207.13	1657.06
15	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather	Sqcm	59995.00	0.33	19770.10	59995.00	0.00	0.00	0.00	0.33	0.00	0.00	59995.00	0.33	19770.10
16	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron... and M.S. flat ... with bolts, washers	Mtrs	6.00	397.79	2386.73	6.00	0.00	0.00	0.00	397.79	0.00	0.00	6.00	397.79	2386.73
17	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials	Each	1.00	2278.46	2278.46	1.00	0.00	0.00	0.00	2278.46	0.00	0.00	1.00	2278.46	2278.46
18	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C	Each	3.00	520.19	1560.56	3.00	0.00	0.00	0.00	520.19	0.00	0.00	3.00	520.19	1560.56
19	Supplying fixing and wiring 50/5 to 400/5 Amps 5KVA burden Current Transformer. Class 0.5 accuracy with	Each	3.00	568.44	1705.31	3.00	0.00	0.00	0.00	568.44	0.00	0.00	3.00	568.44	1705.31


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			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount
20	Supplying, fixing and wiring rotary selector switch suitable for Ammeter. (55/6.25)	Each	2.00	202.43	404.85	2.00	0.00	0.00	0.00	202.43	0.00	2.00	202.43	404.85
21	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips	Mtrs	0.50	3462.41	1731.21	0.50	0.00	0.00	0.00	3462.41	0.00	0.50	3462.41	1731.21
22	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts,	No	6.00	275.39	1652.35	6.00	0.00	0.00	0.00	275.39	0.00	6.00	275.39	1652.35
23	Supplying fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V upto 300mA	No	1.00	3942.58	3942.58	1.00	0.00	0.00	0.00	3942.58	0.00	1.00	3942.58	3942.58
24	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers	Each	1.00	5397.22	5397.22	1.00	0.00	0.00	0.00	5397.22	0.00	1.00	5397.22	5397.22
25	Wiring for lighting/Power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper With Low	Mtrs	40.00	49.55	1981.88	40.00	0.00	0.00	0.00	49.55	0.00	40.00	49.55	1981.88
26	Wiring for lighting/Power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper With Low	Mtrs	40.00	34.37	1374.61	40.00	0.00	0.00	0.00	34.37	0.00	40.00	34.37	1374.61
27	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded aluminium unsheathed wire	Mtrs	30.00	17.65	529.60	30.00	0.00	0.00	0.00	17.65	0.00	30.00	17.65	529.60
28	Supplying PVC/Gi Flexible conduit pipe.. Mm dia fixing on surface over inverted tapered wooden plugs or phill	Mtrs	5.00	35.31	176.53	5.00	0.00	0.00	0.00	35.31	0.00	5.00	35.31	176.53
29	Supplying, fixing and wiring electronic 5 to 20Amps single phase Class-1 Accuracy with Temper Proof Energy	Each	1.00	1398.15	1398.15	1.00	0.00	0.00	0.00	1398.15	0.00	1.00	1398.15	1398.15
30	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical	Cum	9.68	329.50	3189.53	9.68	0.00	0.00	0.00	329.50	0.00	9.68	329.50	3189.53
31	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs,	Cum	0.48	5622.39	2698.75	0.48	0.00	0.00	0.00	5622.39	0.00	0.48	5622.39	2698.75
32	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not	Cum	9.68	221.50	2144.13	9.68	0.00	0.00	0.00	221.50	0.00	9.68	221.50	2144.13

Sl No	Description of work	Unit	Supplementary BOQ			Previous Measurement			Present Measurement			Upto dated Measurement			
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	
33	KSRB 4.2.2: Providing and laying in position reinforced concrete of Design mix M20 with OPC cement @	Cum	2.36	6236.20	14717.43	2.36	0.00	0.00	0.00	6236.20	0.00	0.00	2.36	6236.20	14717.43
34	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., and removal of form of	Sqm	8.42	321.78	2709.41	8.42	0.00	0.00	0.00	321.78	0.00	0.00	8.42	321.78	2709.41
35	KSRB 4.9.2 : Providing mild steel reinforcement for R.C.C. work including straightening, cutting,	Ton	0.49	78204.32	38320.12	0.49	0.00	0.00	0.00	78204.32	0.00	0.00	0.49	78204.32	38320.12
36	KSRB 15.3.9 Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry	Sqm	1.07	269.99	288.89	1.07	0.00	0.00	0.00	269.99	0.00	0.00	1.07	269.99	288.89
	<b>TOTAL B</b>				<b>10067086.50</b>			<b>9928908.24</b>			<b>0.00</b>				<b>9928908.24</b>
	<b>TOTAL (A+B)</b>				<b>272613936.49</b>			<b>232339769.00</b>			<b>1814148.77</b>				<b>234153917.77</b>

  
 Junior Engineer - A.E.-I  
 PW,P & IWTD  
 Ramanagara. 8/8/2019

Executive Engineer  
 PW,P & IWTD  
 Ramanagara.

  
 Contractor  
 K Prakash M/A K.P.J.Constructions Pvt. Ltd.

  
 Assistant Executive Engineer  
 PW,P & IWTD  
 Ramanagara.

<b>FINAL BILL</b>	
<b>Name of Division</b>	Ramanagara
<b>Name of Sub Division</b>	Ramanagara & Chanapatna
<b>Name of Work :</b>	Road Safety Improvements to 16 junctions in Ramanagara & Chanapatna taluk in Ramanagara District a) Dodda Maluru Junction (Infront of Abhaygalu Krishna Temple), Court Circle, Police Station Circle, Police Training School (Entrance) in Channapatna Taluk, Ramanagara District. b) Sathnur Circle & Yarabanagara Cross in Channapatna Taluk, Ramanagara District. c) Vandarakuppe Gate & Kuvempu College in Channapatna Taluk, Ramanagara District. d) Kengal Kanva Road near Kengal Temple in Channapatna Taluk, Ramanagara District. e) Kanakapura Junction, Janapada Loka, Government Engineering College Junction.
<b>Head of account :</b>	3054-03-337-0-07-200 SH- Road Safety Works Maintaince Expenditure.
<b>Agency :</b>	K Prakash M/s K.P.J.Constructions Pvt. Ltd.
<b>Work Order No. :</b>	129/2018-19 Dated 23/02/2019

2 M200-11.1. Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications By Mechanical Means:A. In area of light jungle (Pg No: 139, Item No: 18.15)

It. No.	Description	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2)/2	Depth (m)	Quantity
	<b>Janapadaloka towards bangalore</b>										
	<b>Chainage 0 to 700 m LHS</b>										
		0	30	Sqm	1	30.0	2.5	2.5	2.5		75.0
		30	60	Sqm	1	30.0	2.5	2.5	2.5		75.0
		60	90	Sqm	1	30.0	2.5	2.5	2.5		75.0
		90	120	Sqm	1	30.0	2.5	2.5	2.5		75.0
		120	150	Sqm	1	30.0	2.5	2.5	2.5		75.0
		150	180	Sqm	1	30.0	2.5	2.5	2.5		75.0
		180	210	Sqm	1	30.0	2.5	2.5	2.5		75.0
		210	240	Sqm	1	30.0	2.5	2.5	2.5		75.0
		240	270	Sqm	1	30.0	2.5	2.5	2.5		75.0
		270	300	Sqm	1	30.0	2.5	2.5	2.5		75.0
		300	330	Sqm	1	30.0	2.5	2.5	2.5		75.0
		330	360	Sqm	1	30.0	2.5	2.5	2.5		75.0
		360	390	Sqm	1	30.0	2.5	2.5	2.5		75.0
		390	420	Sqm	1	30.0	2.5	2.5	2.5		75.0
		420	450	Sqm	1	30.0	2.5	2.5	2.5		75.0
		450	480	Sqm	1	30.0	2.5	2.5	2.5		75.0
		480	510	Sqm	1	30.0	2.5	2.5	2.5		75.0
		510	520	Sqm	1	10.0	2.5	2.5	2.5		25.0
		520	526	Sqm	1	6.0	2.5	2.5	2.5		15.0
		526	540	Sqm	1	14.0	2.5	2.5	2.5		35.0
		540	570	Sqm	1	30.0	2.5	2.5	2.5		75.0
		570	600	Sqm	1	30.0	2.5	2.5	2.5		75.0
		600	630	Sqm	1	30.0	2.5	2.5	2.5		75.0
		630	660	Sqm	1	30.0	2.5	2.5	2.5		75.0
		660	690	Sqm	1	30.0	2.5	2.5	2.5		75.0
		690	700	Sqm	1	10.0	2.5	2.5	2.5		25.0

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
**Director**

Section Engineer  
8/8/2019

Asst Executive Engineer  
8/8/2019

Chainage 0 to 744 m RHS										
		190	210	Sqm	1	20.0	2.5	2.5	2.5	50.0
		210	240	Sqm	1	30.0	2.5	2.5	2.5	75.0
		240	270	Sqm	1	30.0	2.5	2.5	2.5	75.0
		270	300	Sqm	1	30.0	2.5	2.5	2.5	75.0
		300	330	Sqm	1	30.0	2.5	2.5	2.5	75.0
		330	360	Sqm	1	30.0	2.5	2.5	2.5	75.0
		360	390	Sqm	1	30.0	2.5	2.5	2.5	75.0
		390	420	Sqm	1	30.0	2.5	2.5	2.5	75.0
		420	450	Sqm	1	30.0	2.5	2.5	2.5	75.0
		450	480	Sqm	1	30.0	2.5	2.5	2.5	75.0
		480	510	Sqm	1	30.0	2.5	2.5	2.5	75.0
		510	520	Sqm	1	10.0	2.5	2.5	2.5	25.0
		520	526	Sqm	1	6.0	2.5	2.5	2.5	15.0
		526	540	Sqm	1	14.0	2.5	2.5	2.5	35.0
		540	570	Sqm	1	30.0	2.5	2.5	2.5	75.0
		570	600	Sqm	1	30.0	2.5	2.5	2.5	75.0
		600	630	Sqm	1	30.0	2.5	2.5	2.5	75.0
		630	660	Sqm	1	30.0	2.5	2.5	2.5	75.0
		660	690	Sqm	1	30.0	2.5	2.5	2.5	75.0
		690	720	Sqm	1	30.0	2.5	2.5	2.5	75.0
		720	744	Sqm	1	24.0	2.5	2.5	2.5	60.0
Janapada Loka										
Chainage 0 to 660 m LHS										
		0	30	Sqm	1	30.0	4.0	4.0	4.0	120.0
		30	60	Sqm	1	30.0	4.0	4.0	4.0	120.0
		60	90	Sqm	1	30.0	4.0	4.0	4.0	120.0
		90	120	Sqm	1	30.0	4.0	4.0	4.0	120.0
		120	150	Sqm	1	30.0	4.0	4.0	4.0	120.0
		150	180	Sqm	1	30.0	4.0	4.0	4.0	120.0
		180	210	Sqm	1	30.0	4.0	4.0	4.0	120.0
		210	240	Sqm	1	30.0	4.0	4.0	4.0	120.0
		240	270	Sqm	1	30.0	4.0	4.0	4.0	120.0
		270	300	Sqm	1	30.0	4.0	4.0	4.0	120.0
		300	330	Sqm	1	30.0	4.0	4.0	4.0	120.0
		330	360	Sqm	1	30.0	4.0	4.0	4.0	120.0
		360	390	Sqm	1	30.0	4.0	4.0	4.0	120.0
		390	420	Sqm	1	30.0	4.0	4.0	4.0	120.0
		420	450	Sqm	1	30.0	4.0	4.0	4.0	120.0
		450	480	Sqm	1	30.0	4.0	4.0	4.0	120.0
		480	510	Sqm	1	30.0	4.0	4.0	4.0	120.0
		510	540	Sqm	1	30.0	4.0	4.0	4.0	120.0
		540	570	Sqm	1	30.0	4.0	3.0	3.5	105.0
		570	600	Sqm	1	30.0	3.0	3.0	3.0	90.0
		600	630	Sqm	1	30.0	3.0	4.0	3.5	105.0
		630	660	Sqm	1	30.0	4.0	4.0	4.0	120.0
Chainage 0 to 660 m RHS										
		0	30	Sqm	1	30.0	4.0	4.0	4.0	120.0
		30	60	Sqm	1	30.0	4.0	4.0	4.0	120.0
		60	90	Sqm	1	30.0	4.0	4.0	4.0	120.0
		90	120	Sqm	1	30.0	4.0	3.5	3.8	112.5
		120	150	Sqm	1	30.0	3.5	2.0	2.8	82.5

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer  
27/8/2019

Asst Executive Engineer





		960	990	Sqm	1	30.0	4.0	4.0	4.0		120.0
		990	1020	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1020	1050	Sqm	1	30.0	0.0	0.0	0.0		0.0
		1050	1060	Sqm	1	10.0	0.0	0.0	0.0		0.0
	Bell mouth				1	10	22	28	25.0		
	Manshetahalli										
	Chainage 1080 to 2060 m LHS										
		1080	1110	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1110	1140	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1140	1170	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1170	1200	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1200	1230	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1230	1260	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1260	1290	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1290	1320	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1320	1350	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1350	1380	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1380	1410	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1410	1440	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1440	1470	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1470	1500	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1500	1530	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1530	1560	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1560	1590	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1590	1620	Sqm	1	30.0	4.0	3.0	3.5		105.0
		1620	1650	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1650	1680	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1680	1710	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1710	1740	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1740	1770	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1770	1800	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1800	1830	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1830	1860	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1860	1890	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1890	1920	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1920	1950	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1950	1980	Sqm	1	30.0	3.0	3.0	3.0		90.0
		1980	2010	Sqm	1	30.0	3.0	3.0	3.0		90.0
		2010	2040	Sqm	1	30.0	3.0	3.0	3.0		90.0
		2040	2060	Sqm	1	20.0	3.0	3.0	3.0		60.0
	Chainage 1060 to 2045 m RHS										
		1060	1085	Sqm	1	25.0	4.0	4.0	4.0		100.0
		1085	1115	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1115	1145	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1145	1175	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1175	1205	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1205	1235	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1235	1265	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1265	1295	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1295	1325	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1325	1355	Sqm	1	30.0	4.0	4.0	4.0		120.0
		1355	1385	Sqm	1	30.0	4.0	4.0	4.0		120.0

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer  
8/8/2019

Asst Executive Engineer

		1385	1415	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1415	1445	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1445	1475	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1475	1505	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1505	1535	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1535	1565	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1565	1595	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1595	1625	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1625	1655	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1655	1685	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1685	1715	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1715	1745	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1745	1775	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1775	1805	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1805	1835	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1835	1865	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1865	1895	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1895	1925	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1925	1955	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1955	1985	Sqm	1	30.0	4.0	4.0	4.0	120.0
		1985	2015	Sqm	1	30.0	4.0	4.0	4.0	120.0
		2015	2045	Sqm	1	30.0	4.0	4.0	4.0	120.0
<b>Forest office</b>										
<b>Chainage 0 to 95 m</b>										
		0	30	Sqm	1	30.0	1.0	1.0	1.0	30.0
		30	60	Sqm	1	30.0	1.0	1.0	1.0	30.0
		60	90	Sqm	1	30.0	1.0	1.0	1.0	30.0
		90	95	Sqm	1	5.0	1.0	1.0	1.0	5.0
<b>Kanva cross road</b>										
<b>Chainage 0 to 350 m LHS</b>										
		0	30	Sqm	2	30.0	2.0	2.0	2.0	120.0
		30	60	Sqm	2	30.0	2.0	2.0	2.0	120.0
		60	90	Sqm	2	30.0	2.0	2.0	2.0	120.0
		90	120	Sqm	2	30.0	2.0	2.0	2.0	120.0
		120	150	Sqm	2	30.0	2.0	2.0	2.0	120.0
		150	180	Sqm	2	30.0	2.0	2.0	2.0	120.0
		180	210	Sqm	2	30.0	2.0	2.0	2.0	120.0
		210	240	Sqm	2	30.0	2.0	2.0	2.0	120.0
		240	270	Sqm	2	30.0	2.0	2.0	2.0	120.0
		270	300	Sqm	2	30.0	2.0	2.0	2.0	120.0
		300	330	Sqm	2	30.0	2.0	2.0	2.0	120.0
		330	338	Sqm	2	8.0	2.0	2.0	2.0	32.0
<b>Chainage 0 to 167 m LHS</b>										
		0	30	Sqm	2	30.0	2.0	2.0	2.0	120.0
		30	60	Sqm	2	30.0	2.0	2.0	2.0	120.0
		60	90	Sqm	2	30.0	2.0	2.0	2.0	120.0
		90	120	Sqm	2	30.0	2.0	2.0	2.0	120.0
		120	150	Sqm	2	30.0	2.0	2.0	2.0	120.0
		150	180	Sqm	2	30.0	2.0	2.0	2.0	120.0
		180	187	Sqm	2	7.0	2.0	2.0	2.0	28.0

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
**Director**

Section Engineer 8/8/2019

Asst Executive Engineer



		2105	2135	Sqm	1	30.0	4.0	4.0	4.0		120.0
		2135	2165	Sqm	1	30.0	4.0	4.0	4.0		120.0
		2165	2195	Sqm	1	30.0	4.0	4.0	4.0		120.0
		2195	2225	Sqm	1	30.0	4.0	4.0	4.0		120.0
		2225	2255	Sqm	1	30.0	4.0	4.0	4.0		120.0
		2255	2285	Sqm	1	30.0	4.0	3.0	3.5		105.0
		2285	2315	Sqm	1	30.0	3.0	3.0	3.0		90.0
		2315	2345	Sqm	1	30.0	3.0	4.0	3.5		105.0
		2345	2375	Sqm	1	30.0	4.0	4.0	4.0		120.0
		2375	2405	Sqm	1	30.0	4.0	4.0	4.0		120.0
		2405	2435	Sqm	1	30.0	4.0	4.0	4.0		120.0
		2435	2465	Sqm	1	30.0	4.0	5.0	4.5		135.0
		2465	2495	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2495	2525	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2525	2555	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2555	2585	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2585	2615	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2615	2645	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2645	2675	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2675	2705	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2705	2735	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2735	2765	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2765	2795	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2795	2825	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2825	2855	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2855	2885	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2885	2915	Sqm	1	30.0	5.0	5.0	5.0		150.0
	Bell mouth	2915	2940	Sqm							0.0
	Kengal junction	2940	2970	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2970	3000	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3000	3030	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3030	3060	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3060	3090	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3090	3120	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3120	3150	Sqm	1	30.0	5.0	4.0	4.5		135.0
		3150	3180	Sqm	1	30.0	4.0	3.0	3.5		105.0
		3180	3190	Sqm	1	10.0	3.0	3.0	3.0		30.0
		3190	3220	Sqm	1	30.0	3.0	4.0	3.5		105.0
		3220	3250	Sqm	1	30.0	4.0	4.0	4.0		120.0
		3250	3280	Sqm	1	30.0	4.0	4.0	4.0		120.0
		3280	3310	Sqm	1	30.0	4.0	3.0	3.5		105.0
		3310	3340	Sqm	1	30.0	3.0	2.0	2.5		75.0
		3340	3370	Sqm	1	30.0	2.0	2.0	2.0		60.0
		3370	3400	Sqm	1	30.0	2.0	2.0	2.0		60.0
		3400	3430	Sqm	1	30.0	2.0	1.0	1.5		45.0
		3430	3460	Sqm	1	30.0	1.0	1.0	1.0		30.0
	Bell mouth @ 2915			Sqm	1	20.0	25.0	15.0	20.0		

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Contractor  
Director

Section Engineer  
3/8/2019

Asst Executive Engineer

Kuvempu college										
Chainage 3700 to 4330 m LHS										
		3700	3730	Sqm	1	30.0	4.0	4.0	4.0	120.0
		3730	3760	Sqm	1	30.0	4.0	4.0	4.0	120.0
		3760	3790	Sqm	1	30.0	4.0	4.0	4.0	120.0
		3790	3820	Sqm	1	30.0	4.0	4.0	4.0	120.0
		3820	3850	Sqm	1	30.0	4.0	4.0	4.0	120.0
		3850	3880	Sqm	1	30.0	4.0	4.0	4.0	120.0
		3880	3910	Sqm	1	30.0	4.0	4.0	4.0	120.0
	KUVEMPU COLLEGE JUNCTION	3910	3940	Sqm	1	30.0	4.0	4.0	4.0	120.0
		3940	3970	Sqm	1	30.0	4.0	4.0	4.0	120.0
		3970	4000	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4000	4030	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4030	4060	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4060	4090	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4090	4120	Sqm	1	30.0	4.0	3.0	3.5	105.0
		4120	4150	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4150	4180	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4180	4210	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4210	4240	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4240	4270	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4270	4300	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4300	4330	Sqm	1	30.0	3.0	3.0	3.0	90.0
Chainage 3690 to 4320 m RHS										
		3690	3720	Sqm	1	30.0	2.0	2.0	2.0	60.0
		3720	3750	Sqm	1	30.0	2.0	2.0	2.0	60.0
		3750	3780	Sqm	1	30.0	2.0	2.0	2.0	60.0
		3780	3810	Sqm	1	30.0	2.0	2.0	2.0	60.0
		3810	3840	Sqm	1	30.0	2.0	2.0	2.0	60.0
		3840	3870	Sqm	1	30.0	2.0	2.0	2.0	60.0
		3870	3900	Sqm	1	30.0	2.0	2.0	2.0	60.0
		3900	3930	Sqm	1	30.0	2.0	2.0	2.0	60.0
	KUVEMPU COLLEGE JUNCTION	3930	3960	Sqm	1	30.0	2.0	3.0	2.5	75.0
		3960	3990	Sqm	1	30.0	3.0	4.0	3.5	105.0
		3990	4020	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4020	4050	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4050	4080	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4080	4110	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4110	4140	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4140	4170	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4170	4200	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4200	4230	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4230	4260	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4260	4290	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4290	4320	Sqm	1	30.0	4.0	4.0	4.0	120.0

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer  
8/8/2019

Asst Executive Engineer

Vandarakuppe gate										
Chainage 4330 to 5230 m LHS										
	4330	4360	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4360	4390	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4390	4420	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4420	4450	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
Vandarakuppe gate	4450	4480	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4480	4510	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4510	4540	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4540	4570	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4570	4600	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4600	4630	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4630	4660	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4660	4690	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4690	4720	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4720	4750	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4750	4770	Sqm	1	20.0	3.0	3.0	3.0	3.0	60.0
PTC	4770 - 4930									
	4930	4960	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4960	4990	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	4990	5020	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	5020	5050	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	5050	5080	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	5080	5110	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	5110	5140	Sqm	1	30.0	3.0	3.0	3.0	3.0	90.0
	5140	5170	Sqm	1	30.0	3.0	4.0	4.0	3.5	105.0
	5170	5200	Sqm	1	30.0	4.0	4.0	4.0	4.0	120.0
	5200	5230	Sqm	1	30.0	4.0	4.0	4.0	4.0	120.0
Chainage 4320 to 5200 m RHS										
	4320	4350	Sqm	1	30.0	4.0	4.0	4.0	4.0	120.0
	4350	4380	Sqm	1	30.0	4.0	4.0	4.0	4.0	120.0
	4380	4410	Sqm	1	30.0	4.0	4.0	4.0	4.0	120.0
	4410	4440	Sqm	1	30.0	4.0	4.0	4.0	4.0	120.0
Vandarakuppe gate	4440	4455	Sqm							
	4455	4485	Sqm	1	30.0	5.0	5.0	5.0	5.0	150.0
	4485	4515	Sqm	1	30.0	5.0	5.0	5.0	5.0	150.0
	4515	4545	Sqm	1	30.0	5.0	5.0	5.0	5.0	150.0
	4545	4575	Sqm	1	30.0	5.0	5.0	5.0	5.0	150.0
	4575	4605	Sqm	1	30.0	5.0	5.0	5.0	5.0	150.0
	4605	4635	Sqm	1	30.0	5.0	5.0	5.0	5.0	150.0
	4635	4665	Sqm	1	30.0	5.0	5.0	5.0	5.0	150.0
	4665	4695	Sqm	1	30.0	5.0	5.0	5.0	5.0	150.0
	4695	4725	Sqm	1	30.0	5.0	5.0	5.0	5.0	150.0
	4725	4755	Sqm	1	30.0	5.0	5.0	5.0	5.0	150.0
PTC	4755 - 4900									
	4900	4930	Sqm	1	30.0	4.0	4.0	4.0	4.0	120.0
	4930	4960	Sqm	1	30.0	4.0	4.0	4.0	4.0	120.0
	4960	4990	Sqm	1	30.0	4.0	4.0	4.0	4.0	120.0
	4990	5020	Sqm	1	30.0	4.0	4.0	4.0	4.0	120.0
	5020	5050	Sqm	1	30.0	4.0	4.0	4.0	4.0	120.0

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Contractor  
Director

Section Engineer  
8/8/2019

Asst Executive Engineer

		5050	5080	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5080	5110	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5110	5140	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5140	5170	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5170	5200	Sqm	1	30.0	4.0	4.0	4.0		120.0
<b>Yarabanagara cross</b>											
<b>Chainage 5230 to 5980 m LHS</b>											
		5230	5260	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5260	5290	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5290	5320	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5320	5350	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5350	5380	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5380	5410	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5410	5440	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5440	5470	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5470	5500	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5500	5530	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5530	5560	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5560	5590	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5590	5620	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5620	5650	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5650	5680	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5680	5710	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5710	5740	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5740	5770	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5770	5800	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5800	5830	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5830	5860	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5860	5890	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5890	5920	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5920	5950	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5950	5980	Sqm	1	30.0	4.0	4.0	4.0		120.0
<b>Chainage 5225 to 6005 m RHS</b>											
		5225	5255	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5255	5285	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5285	5315	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5315	5345	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5345	5375	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5375	5405	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5405	5435	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5435	5465	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5465	5495	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5495	5525	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5525	5555	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5555	5585	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5585	5615	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5615	5645	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5645	5675	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5675	5705	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5705	5735	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5735	5765	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5765	5795	Sqm	1	30.0	4.0	4.0	4.0		120.0

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer  
8/8/2019

Asst Executive Engineer



		5795	5825	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5825	5855	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5855	5885	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5885	5915	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5915	5945	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5945	5975	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5975	6005	Sqm	1	30.0	4.0	4.0	4.0		120.0
										<b>Total</b>	<b>47684.5</b>
										Deduct 40% voids	19073.8
										<b>Total Sqm</b>	<b>2.86</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>2.86</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

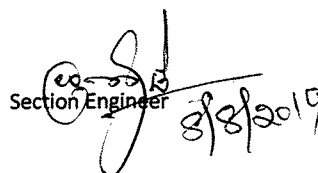
Measurement recorded on :-

3 KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (Pg No: 143, Item No: 19.14)

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2)/2	Depth (m)	Quantity	
<b>APMC Junction</b>											
<b>Chainage 0 to 457 m LHS</b>											
	0	30	Cum	1	30.0	9.7	11.0	10.4	0.85	263.9	
	30	60	Cum	1	30.0	11.0	11.0	11.0	0.85	280.5	
	60	90	Cum	1	30.0	11.0	10.4	10.7	0.85	272.9	
	90	120	Cum	1	30.0	10.4	9.8	10.1	0.85	257.6	
	120	150	Cum	1	30.0	9.8	10.4	10.1	0.85	257.6	
	150	180	Cum	1	30.0	10.4	13.6	12.0	0.85	306.0	
	180	210	Cum	1	30.0	13.6	11.0	12.3	0.85	313.7	
	210	240	Cum	1	30.0	11.0	11.0	11.0	0.85	280.5	
	240	270	Cum	1	30.0	11.0	12.3	11.7	0.85	297.1	
	270	300	Cum	1	30.0	12.3	9.8	11.1	0.85	281.8	
	300	330	Cum	1	30.0	9.8	9.0	9.4	0.85	239.7	
	330	360	Cum	1	30.0	9.0	9.8	9.4	0.85	239.7	
	360	390	Cum	1	30.0	9.8	9.6	9.7	0.85	247.4	
	390	420	Cum	1	30.0	9.6	11.6	10.6	0.85	270.3	
	420	450	Cum	1	30.0	11.6	10.6	11.1	0.85	283.1	
	450	457	Cum	1	7.0	10.6	10.3	10.5	0.85	62.2	
	Bell mouth	0	25	Cum	1	25.0	9.7	7.0	8.4	0.85	177.4
		25	38	Cum	1	13.0	7.0	7.0	7.0	0.85	77.4
	1			Cum	1	17.0	6.0	6.0	6.0	0.85	86.7
	2			Cum	1	13.0	7.0	7.0	7.0	0.85	77.4
	3			Cum	1	13.0	7.0	7.0	7.0	0.85	77.4
<b>APMC cobble stone</b>											
	LHS	0	30	Sqm	1	30.0	1.6	2.8	2.2	0.30	19.8
		30	60	Sqm	1	30.0	2.8	2.5	2.7	0.30	23.9
		60	90	Sqm	1	30.0	2.5	2.9	2.7	0.30	24.3
		90	120	Sqm	1	30.0	2.9	2.8	2.9	0.30	25.7

KPJ CONSTRUCTIONS PVT. LTD.

  
Director

  
Section Engineer  
8/8/2019

  
Asst Executive Engineer







	60	90	Cum	1	30.0	5.5	5.5	5.5	0.85	140.3
	90	107	Cum	1	17.0	5.5	5.5	5.5	0.85	79.5
	Bell mouth			1	4	4.6	6	5.3	0.85	18.0
	<b>Govt. Engineering College</b>									
	<b>Chainage 660 to 990 m LHS</b>									
	660	690	Cum	1	30.0	4.1	5.0	4.6	1.10	150.2
	690	720	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	720	750	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	750	780	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	780	810	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	810	840	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	840	870	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	870	900	Cum	1	30.0	5.0	4.5	4.8	1.10	156.8
	900	930	Cum	1	30.0	4.5	5.0	4.8	1.10	156.8
	930	960	Cum	1	30.0	5.0	4.0	4.5	1.10	148.5
	960	990	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
	990	1020	Cum	1	30.0	4.0	3.5	3.8	1.10	123.8
	1020	1050	Cum	1	30.0	3.5	3.5	3.5	1.10	115.5
	1050	1080	Cum	1	30.0	3.5	3.5	3.5	1.10	115.5
	<b>Chainage 660 to 990 m RHS</b>									
	660	690	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	690	720	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	720	750	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	750	780	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	780	810	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	810	840	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	840	870	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	870	900	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	900	930	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	930	960	Cum	1	30.0	5.0	4.5	4.8	1.10	156.8
	960	990	Cum	1	30.0	4.5	4.2	4.4	1.10	143.6
	990	1020	Cum	1	30.0	4.2	4.0	4.1	1.10	135.3
	1020	1050	Cum	1	30.0	4.0	3.0	3.5	1.10	115.5
	1050	1060	Cum	1	10.0	3.0	4.0	3.5	1.10	38.5
	Bell mouth			1	22	28	19	23.5	1.10	568.7
	<b>Manshetahalli</b>									
	<b>Chainage 1080 to 2060 m LHS</b>									
	1080	1110	Cum	1	30.0	3.5	5.0	4.3	1.10	140.3
	1110	1140	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	1140	1170	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	1170	1200	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	1200	1230	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	1230	1260	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	1260	1290	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	1290	1320	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	1320	1350	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	1350	1380	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	1380	1410	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	1410	1440	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
	1440	1470	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0

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Contractor  
Director

Section Engineer  
8/8/2019

Asst Executive Engineer



		2015	2045	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
<b>Forest office</b>											
<b>Chainage 0 to 95 m</b>											
		0	30	Cum	1	30.0	8.5	6.0	7.3	0.85	184.9
		30	60	Cum	1	30.0	6.0	6.0	6.0	0.85	153.0
		60	90	Cum	1	30.0	6.0	6.0	6.0	0.85	153.0
		90	95	Cum	1	5.0	6.0	6.0	6.0	0.85	25.5
<b>Kanva cross road</b>											
<b>Chainage 0 to 350 m RHS</b>											
		0	30	Cum	1	30.0	13.1	11.8	12.4	0.85	316.8
		30	40	Cum	1	10.0	11.8	11.3	11.5	0.85	98.0
		40	60	Cum	1	20.0	11.3	8.7	10.0	0.85	170.0
		60	90	Cum	1	30.0	8.7	8.5	8.6	0.85	219.3
		90	120	Cum	1	30.0	8.5	8.3	8.4	0.85	214.2
		120	150	Cum	1	30.0	8.3	8.0	8.2	0.85	207.8
		150	180	Cum	1	30.0	8.0	8.1	8.1	0.85	205.3
		180	210	Cum	1	30.0	8.1	8.2	8.2	0.85	207.8
		210	240	Cum	1	30.0	8.2	7.5	7.9	0.85	200.2
		240	270	Cum	1	30.0	7.5	8.5	8.0	0.85	204.0
		270	300	Cum	1	30.0	8.5	7.5	8.0	0.85	204.0
		300	330	Cum	1	30.0	7.5	7.5	7.5	0.85	191.3
		330	338	Cum	1	8.0	7.5	7.5	7.5	0.85	51.0
<b>Chainage 0 to 187 m RHS</b>											
		0	30	Cum	1	30.0	14.6	6.1	10.4	0.85	263.9
		30	60	Cum	1	30.0	6.1	6.0	6.1	0.85	154.3
		60	90	Cum	1	30.0	6.0	6.0	6.0	0.85	153.0
		90	120	Cum	1	30.0	6.0	6.0	6.0	0.85	153.0
		120	150	Cum	1	30.0	6.0	6.0	6.0	0.85	153.0
		150	180	Cum	1	30.0	6.0	9.0	7.5	0.85	191.3
		180	187	Cum	1	7.0	9.0	9.0	9.0	0.85	53.6
<b>Bell mouth</b>											
					1	5	5.7	3	4.4	0.85	18.5
<b>Kengal Kanva</b>											
<b>Chainage 2060 to 3410 m LHS</b>											
		2060	2090	Cum	1	30.0	3.3	3.8	3.6	1.10	117.2
		2090	2120	Cum	1	30.0	3.8	4.5	4.2	1.10	137.0
		2120	2150	Cum	1	30.0	4.5	4.5	4.5	1.10	148.5
		2150	2180	Cum	1	30.0	4.5	4.5	4.5	1.10	148.5
		2180	2210	Cum	1	30.0	4.5	4.5	4.5	1.10	148.5
		2210	2240	Cum	1	30.0	4.5	4.5	4.5	1.10	148.5
		2240	2270	Cum	1	30.0	4.5	4.5	4.5	1.10	148.5
		2270	2300	Cum	1	30.0	4.5	4.5	4.5	1.10	148.5
		2300	2330	Cum	1	30.0	4.5	4.5	4.5	1.10	148.5
		2330	2360	Cum	1	30.0	4.5	4.5	4.5	1.10	148.5
		2360	2390	Cum	1	30.0	4.5	4.5	4.5	1.10	148.5
		2390	2420	Cum	1	30.0	4.5	5.0	4.8	1.10	156.8
		2420	2450	Cum	1	30.0	5.0	4.1	4.6	1.10	150.2
		2450	2480	Cum	1	30.0	4.1	5.2	4.7	1.10	153.5
		2480	2510	Cum	1	30.0	5.2	5.0	5.1	1.10	168.3
		2510	2540	Cum	1	30.0	5.0	4.3	4.7	1.10	153.5
		2540	2570	Cum	1	30.0	4.3	5.5	4.9	1.10	161.7
		2570	2600	Cum	1	30.0	5.5	6.0	5.8	1.10	189.8

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Contractor  
Director

Section Engineer

Asst Executive Engineer







		4210	4240	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4240	4270	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4270	4300	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4300	4330	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		<b>Chainage 3690 to 4320 m RHS</b>									
		3690	3720	Cum	1	30.0	1.9	2.2	2.1	1.10	67.7
		3720	3750	Cum	1	30.0	2.2	2.4	2.3	1.10	75.9
		3750	3780	Cum	1	30.0	2.4	2.4	2.4	1.10	79.2
		3780	3810	Cum	1	30.0	2.4	3.2	2.8	1.10	92.4
		3810	3840	Cum	1	30.0	3.2	3.0	3.1	1.10	102.3
		3840	3870	Cum	1	30.0	3.0	2.3	2.7	1.10	87.5
		3870	3900	Cum	1	30.0	2.3	3.0	2.7	1.10	87.5
		3900	3930	Cum	1	30.0	3.0	4.0	3.5	1.10	115.5
	KUVEMPU COLLEGE JUNCTION	3930	3960	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
		3960	3990	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
		3990	4020	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
		4020	4050	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
		4050	4080	Cum	1	30.0	4.0	5.0	4.5	1.10	148.5
		4080	4110	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		4110	4140	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		4140	4170	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		4170	4200	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		4200	4230	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		4230	4260	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		4260	4290	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		4290	4320	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		<b>Vandarakuppe gate</b>									
		<b>Chainage 4330 to 5230 m LHS</b>									
		4330	4360	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4360	4390	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4390	4420	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4420	4450	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
	Vandarakup pe gate	4450	4480	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4480	4510	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4510	4540	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4540	4570	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4570	4600	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4600	4630	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4630	4660	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4660	4690	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4690	4720	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4720	4750	Cum	1	30.0	3.0	3.0	3.0	1.10	99.0
		4750	4770	Cum	1	20.0	3.0	3.0	3.0	1.10	66.0
	PTC	4770 - 4930									
		4930	4960	Cum	1	30.0	3.5	3.5	3.5	1.10	115.5
		4960	4990	Cum	1	30.0	3.5	3.5	3.5	1.10	115.5
		4990	5020	Cum	1	30.0	3.5	3.5	3.5	1.10	115.5

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Contractor  
Director

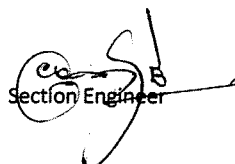
Section Engineer

Asst Executive Engineer

		5020	5050	Cum	1	30.0	3.5	3.5	3.5	1.10	115.5
		5050	5080	Cum	1	30.0	3.5	3.5	3.5	1.10	115.5
		5080	5110	Cum	1	30.0	3.5	4.0	3.8	1.10	123.8
		5110	5140	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
		5140	5170	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
		5170	5200	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
		5200	5230	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
		<b>Chainage 4320 to 5200 m RHS</b>									
		4320	4350	Cum	1	30.0	5.0	4.0	4.5	1.10	148.5
		4350	4380	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
		4380	4410	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
		4410	4440	Cum	1	30.0	4.0	4.0	4.0	1.10	132.0
	Vandarakup pe gate	4440	4455	Cum							
		4455	4485	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		4485	4515	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		4515	4545	Cum	1	30.0	5.0	6.0	5.5	1.10	181.5
		4545	4575	Cum	1	30.0	6.0	6.0	6.0	1.10	198.0
		4575	4605	Cum	1	30.0	6.0	6.0	6.0	1.10	198.0
		4605	4635	Cum	1	30.0	6.0	6.0	6.0	1.10	198.0
		4635	4665	Cum	1	30.0	6.0	6.0	6.0	1.10	198.0
		4665	4695	Cum	1	30.0	6.0	6.0	6.0	1.10	198.0
		4695	4725	Cum	1	30.0	6.0	6.0	6.0	1.10	198.0
		4725	4755	Cum	1	30.0	6.0	6.0	6.0	1.10	198.0
	PTC	4755 - 4900									
		4900	4930	Cum	1	30.0	4.6	4.6	4.6	1.10	151.8
		4930	4960	Cum	1	30.0	4.6	4.6	4.6	1.10	151.8
		4960	4990	Cum	1	30.0	4.6	5.0	4.8	1.10	158.4
		4990	5020	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5020	5050	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5050	5080	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5080	5110	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5110	5140	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5140	5170	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5170	5200	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		<b>Yarabanagara cross</b>									
		<b>Chainage 5230 to 5980 m LHS</b>									
		5230	5260	Cum	1	30.0	4.0	5.0	4.5	1.10	148.5
		5260	5290	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5290	5320	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5320	5350	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5350	5380	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5380	5410	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5410	5440	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5440	5470	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5470	5500	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5500	5530	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5530	5560	Cum	1	30.0	5.0	5.0	5.0	1.10	165.0
		5560	5590	Cum	1	30.0	5.0	4.6	4.8	1.10	158.4
		5590	5620	Cum	1	30.0	4.6	3.6	4.1	1.10	135.3
		5620	5650	Cum	1	30.0	3.6	3.6	3.6	1.10	118.8
		5650	5680	Cum	1	30.0	3.6	5.0	4.3	1.10	141.9

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Contractor  
Director

  
Section Engineer

  
Asst Executive Engineer



		30	60	Cum	1	30.0	11.0	11.0	11.0	0.30	99.0
		60	90	Cum	1	30.0	11.0	10.4	10.7	0.30	96.3
		90	120	Cum	1	30.0	10.4	9.8	10.1	0.30	90.9
		120	150	Cum	1	30.0	9.8	10.4	10.1	0.30	90.9
		150	180	Cum	1	30.0	10.4	13.6	12.0	0.30	108.0
		180	210	Cum	1	30.0	13.6	11.0	12.3	0.30	110.7
		210	240	Cum	1	30.0	11.0	11.0	11.0	0.30	99.0
		240	270	Cum	1	30.0	11.0	12.3	11.7	0.30	104.9
		270	300	Cum	1	30.0	12.3	9.8	11.1	0.30	99.5
		300	330	Cum	1	30.0	9.8	9.0	9.4	0.30	84.6
		330	360	Cum	1	30.0	9.0	9.8	9.4	0.30	84.6
		360	390	Cum	1	30.0	9.8	9.6	9.7	0.30	87.3
		390	420	Cum	1	30.0	9.6	11.6	10.6	0.30	95.4
		420	450	Cum	1	30.0	11.6	10.6	11.1	0.30	99.9
		450	457	Cum	1	7.0	10.6	10.3	10.5	0.30	21.9
	Bell mouth	0	25	Cum	1	25.0	9.7	7.0	8.4	0.30	62.6
		25	38	Cum	1	13.0	7.0	7.0	7.0	0.30	27.3
	1			Cum	1	17.0	6.0	6.0	6.0	0.30	30.6
	2			Cum	1	13.0	7.0	7.0	7.0	0.30	27.3
	3			Cum	1	13.0	7.0	7.0	7.0	0.30	27.3
	<b>Kanakapura cross</b>										
	Ch 300 - 325			Cum	2	25.0	1.6	0.9	1.3	0.30	18.8
	Ch 360 - 386			Cum	2	26.0	1.0	1.1	1.0	0.30	15.6
	<b>APPROCH ROAD TOWARDS CHANMANAHALLI</b>				1	22.0	8.5	1.0	4.8	0.30	31.4
	<b>Janapadaloka towards bangalore</b>										
	<b>Chainage 0 to 700 m LHS</b>										
		0	30	Cum	1	30.0	4.1	3.2	3.7	0.50	54.8
		30	60	Cum	1	30.0	3.2	3.1	3.2	0.50	47.3
		60	90	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		90	120	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		120	150	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		150	180	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		180	210	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		210	240	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		240	270	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		270	300	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		300	330	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		330	360	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		360	390	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		390	420	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		420	450	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		450	480	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		480	510	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		510	520	Cum	1	10.0	3.1	2.2	2.7	0.50	13.3
		520	526	Cum	1	6.0	0.0	0.0	0.0	0.00	0.0
		526	540	Cum	1	14.0	2.6	3.1	2.9	0.50	20.0

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
**Director**

Section Engineer

Asst Executive Engineer

		540	570	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		570	600	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		600	630	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		630	660	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		660	690	Cum	1	30.0	3.1	3.1	3.1	0.50	46.5
		690	700	Cum	1	10.0	3.1	3.1	3.1	0.50	15.5
<b>Chainage 0 to 744 m RHS</b>											
		190	210	Cum	1	20.0	2.1	2.9	2.5	0.50	25.0
		210	240	Cum	1	30.0	2.9	3.1	3.0	0.50	45.0
		240	270	Cum	1	30.0	3.1	4.0	3.6	0.50	53.3
		270	300	Cum	1	30.0	4.0	3.7	3.9	0.50	57.8
		300	330	Cum	1	30.0	3.7	3.7	3.7	0.50	55.5
		330	360	Cum	1	30.0	3.7	3.8	3.8	0.50	56.3
		360	390	Cum	1	30.0	3.8	3.8	3.8	0.50	57.0
		390	420	Cum	1	30.0	3.8	3.7	3.8	0.50	56.3
		420	450	Cum	1	30.0	3.7	3.7	3.7	0.50	55.5
		450	480	Cum	1	30.0	3.7	4.0	3.9	0.50	57.8
		480	510	Cum	1	30.0	4.0	3.7	3.9	0.50	57.8
		510	520	Cum	1	10.0	3.7	2.3	3.0	0.50	15.0
		520	526	Cum	1	6.0	0.0	0.0	0.0	0.00	0.0
		526	540	Cum	1	14.0	2.3	3.5	2.9	0.50	20.3
		540	570	Cum	1	30.0	3.5	3.3	3.4	0.50	51.0
		570	600	Cum	1	30.0	3.3	3.2	3.3	0.50	48.8
		600	630	Cum	1	30.0	3.2	3.5	3.4	0.50	50.3
		630	660	Cum	1	30.0	3.5	3.3	3.4	0.50	51.0
		660	690	Cum	1	30.0	3.3	3.3	3.3	0.50	49.5
		690	720	Cum	1	30.0	3.3	3.4	3.4	0.50	50.3
		720	744	Cum	1	24.0	3.4	3.4	3.4	0.50	40.8
<b>Janapadaloka towards bangalore</b>											
<b>Chainage 102 to 240 m RHS</b>											
		102	120	Cum	1	18.0	4.0	4.0	4.0	0.50	36.0
		120	150	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		150	180	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		180	210	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		210	240	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
<b>Janapada Loka</b>											
<b>Chainage 0 to 660 m LHS</b>											
		0	30	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		30	60	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		60	90	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		90	120	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		120	150	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		150	180	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		180	210	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		210	240	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		240	270	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		270	300	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		300	330	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		330	360	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		360	390	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
**Director**

  
Section Engineer

  
Asst Executive Engineer

		390	420	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		420	450	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		450	480	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		480	510	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		510	540	Cum	1	30.0	5.0	3.0	4.0	0.50	60.0
		540	570	Cum	1	30.0	3.0	3.0	3.0	0.50	45.0
		570	600	Cum	1	30.0	3.0	4.0	3.5	0.50	52.5
		600	630	Cum	1	30.0	4.0	4.1	4.1	0.50	60.8
		630	660	Cum	1	30.0	4.1	4.1	4.1	0.50	61.5
<b>Chainage 0 to 660 m RHS</b>											
		0	30	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		30	60	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		60	90	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		90	102	Cum	1	12.0	5.0	2.2	3.6	0.50	21.6
		102	120	Cum	1	18.0	2.2	2.1	2.2	0.50	19.4
		120	150	Cum	1	30.0	2.1	2.0	2.1	0.50	30.8
		150	180	Cum	1	30.0	2.0	2.1	2.1	0.50	30.8
		180	210	Cum	1	30.0	2.1	2.0	2.1	0.50	30.8
		210	240	Cum	1	30.0	2.0	4.0	3.0	0.50	45.0
		240	270	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		270	300	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		300	330	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		330	360	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		360	390	Cum	1	30.0	4.0	5.0	4.5	0.50	67.5
		390	420	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		420	450	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		450	480	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		480	510	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		510	540	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		540	570	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		570	600	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		600	630	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		630	660	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
<b>B G S school road</b>											
		0	30	Cum	2	30.0	4.0	4.0	4.0	0.30	72.0
		30	60	Cum	2	30.0	4.0	4.0	4.0	0.30	72.0
<b>Government Polytechnic</b>											
		Bell mouth			1	9	20.3	4.7	12.5	0.50	56.3
<b>Forest office</b>											
<b>Chainage 0 to 107 m</b>											
		0	30	Cum	1	30.0	5.5	5.5	5.5	0.30	49.5
		30	60	Cum	1	30.0	5.5	5.5	5.5	0.30	49.5
		60	90	Cum	1	30.0	5.5	5.5	5.5	0.30	49.5
		90	107	Cum	1	17.0	5.5	5.5	5.5	0.30	28.1
		Bell mouth			1	4	4.6	6	5.3	0.30	6.4
<b>Govt. Engineering College</b>											
<b>Chainage 660 to 990 m LHS</b>											
		660	690	Cum	1	30.0	4.1	5.0	4.6	0.50	68.3
		690	720	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		720	750	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer







<b>Kanva cross road</b>											
<b>Chainage 0 to 350 m RHS</b>											
		0	30	Cum	1	30.0	13.1	11.8	12.4	0.30	111.8
		30	40	Cum	1	10.0	11.8	11.3	11.5	0.30	34.6
		40	60	Cum	1	20.0	11.3	8.7	10.0	0.30	60.0
		60	90	Cum	1	30.0	8.7	8.5	8.6	0.30	77.4
		90	120	Cum	1	30.0	8.5	8.3	8.4	0.30	75.6
		120	150	Cum	1	30.0	8.3	8.0	8.2	0.30	73.4
		150	180	Cum	1	30.0	8.0	8.1	8.1	0.30	72.5
		180	210	Cum	1	30.0	8.1	8.2	8.2	0.30	73.4
		210	240	Cum	1	30.0	8.2	7.5	7.9	0.30	70.7
		240	270	Cum	1	30.0	7.5	8.5	8.0	0.30	72.0
		270	300	Cum	1	30.0	8.5	7.5	8.0	0.30	72.0
		300	330	Cum	1	30.0	7.5	7.5	7.5	0.30	67.5
		330	338	Cum	1	8.0	7.5	7.5	7.5	0.30	18.0
<b>Chainage 0 to 187 m RHS</b>											
		0	30	Cum	1	30.0	14.6	6.1	10.4	0.30	93.2
		30	60	Cum	1	30.0	6.1	6.0	6.1	0.30	54.5
		60	90	Cum	1	30.0	6.0	6.0	6.0	0.30	54.0
		90	120	Cum	1	30.0	6.0	6.0	6.0	0.30	54.0
		120	150	Cum	1	30.0	6.0	6.0	6.0	0.30	54.0
		150	180	Cum	1	30.0	6.0	9.0	7.5	0.30	67.5
		180	187	Cum	1	7.0	9.0	9.0	9.0	0.30	18.9
<b>Bell mouth</b>					1	5	5.7	3	4.4	0.30	6.5
<b>Kengal Kanva</b>											
<b>Chainage 2060 to 3410 m LHS</b>											
		2060	2090	Cum	1	30.0	3.3	3.8	3.6	0.50	53.3
		2090	2120	Cum	1	30.0	3.8	4.5	4.2	0.50	62.3
		2120	2150	Cum	1	30.0	4.5	4.5	4.5	0.50	67.5
		2150	2180	Cum	1	30.0	4.5	4.5	4.5	0.50	67.5
		2180	2210	Cum	1	30.0	4.5	4.5	4.5	0.50	67.5
		2210	2240	Cum	1	30.0	4.5	4.5	4.5	0.50	67.5
		2240	2270	Cum	1	30.0	4.5	4.5	4.5	0.50	67.5
		2270	2300	Cum	1	30.0	4.5	4.5	4.5	0.50	67.5
		2300	2330	Cum	1	30.0	4.5	4.5	4.5	0.50	67.5
		2330	2360	Cum	1	30.0	4.5	4.5	4.5	0.50	67.5
		2360	2390	Cum	1	30.0	4.5	4.5	4.5	0.50	67.5
		2390	2420	Cum	1	30.0	4.5	5.0	4.8	0.50	71.3
		2420	2450	Cum	1	30.0	5.0	4.1	4.6	0.50	68.3
		2450	2480	Cum	1	30.0	4.1	5.2	4.7	0.50	69.8
		2480	2510	Cum	1	30.0	5.2	5.0	5.1	0.50	76.5
		2510	2540	Cum	1	30.0	5.0	4.3	4.7	0.50	69.8
		2540	2570	Cum	1	30.0	4.3	5.5	4.9	0.50	73.5
		2570	2600	Cum	1	30.0	5.5	6.0	5.8	0.50	86.3
		2600	2630	Cum	1	30.0	6.0	6.0	6.0	0.50	90.0
		2630	2660	Cum	1	30.0	6.0	6.0	6.0	0.50	90.0
		2660	2690	Cum	1	30.0	6.0	6.0	6.0	0.50	90.0
		2690	2720	Cum	1	30.0	6.0	6.0	6.0	0.50	90.0
		2720	2750	Cum	1	30.0	6.0	6.0	6.0	0.50	90.0
		2750	2780	Cum	1	30.0	6.0	6.0	6.0	0.50	90.0
		2780	2810	Cum	1	30.0	6.0	6.0	6.0	0.50	90.0
		2810	2840	Cum	1	30.0	6.0	6.0	6.0	0.50	90.0
		2840	2870	Cum	1	30.0	6.0	6.0	6.0	0.50	90.0

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
**Director**

Section Engineer

Asst Executive Engineer









		5920	5950	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		5950	5980	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
<b>Chainage 5225 to 6005 m RHS</b>											
		5225	5255	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		5255	5285	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		5285	5315	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		5315	5345	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		5345	5375	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		5375	5405	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		5405	5435	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		5435	5465	Cum	1	30.0	5.0	5.0	5.0	0.50	75.0
		5465	5495	Cum	1	30.0	5.0	4.0	4.5	0.50	67.5
		5495	5525	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5525	5555	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5555	5585	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5585	5615	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5615	5645	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5645	5675	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5675	5705	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5705	5735	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5735	5765	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5765	5795	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5795	5825	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5825	5855	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5855	5885	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5885	5915	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5915	5945	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5945	5975	Cum	1	30.0	4.0	4.0	4.0	0.50	60.0
		5975	6005	Cum	1	30.0	4.0	3.3	3.7	0.50	54.8
										<b>Total</b>	<b>31433.7</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>31433.71</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on :-

5	KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301 (Pg No: 144, I.No: 19.20)										
	Same as item No 03			Cum						<b>Total</b>	<b>72314.5</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>72314.50</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on :-

6	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occurring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (Pg No: 147, I.No:										
	CH	CH	Unit	Sides/No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2)/2	Depth (m)	Quantity	
<b>APMC Junction</b>											
<b>Chainage 0 to 457 m LHS</b>											
	0	30	Sqm	1	30.0	9.7	11.0	10.4		310.5	

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer

Asst Executive Engineer

		30	60	Sqm	1	30.0	11.0	11.0	11.0		330.0
		60	90	Sqm	1	30.0	11.0	10.4	10.7		321.0
		90	120	Sqm	1	30.0	10.4	9.8	10.1		303.0
		120	150	Sqm	1	30.0	9.8	10.4	10.1		303.0
		150	180	Sqm	1	30.0	10.4	13.6	12.0		360.0
		180	210	Sqm	1	30.0	13.6	11.0	12.3		369.0
		210	240	Sqm	1	30.0	11.0	11.0	11.0		330.0
		240	270	Sqm	1	30.0	11.0	12.3	11.7		349.5
		270	300	Sqm	1	30.0	12.3	9.8	11.1		331.5
		300	330	Sqm	1	30.0	9.8	9.0	9.4		282.0
		330	360	Sqm	1	30.0	9.0	9.8	9.4		282.0
		360	390	Sqm	1	30.0	9.8	9.6	9.7		291.0
		390	420	Sqm	1	30.0	9.6	11.6	10.6		318.0
		420	450	Sqm	1	30.0	11.6	10.6	11.1		333.0
		450	457	Sqm	1	7.0	10.6	10.3	10.5		73.2
	Bell mouth	0	25	Sqm	1	25.0	9.7	7.0	8.4		208.8
		25	38	Sqm	1	13.0	7.0	7.0	7.0		91.0
	1			Sqm	1	17.0	6.0	6.0	6.0		102.0
	2			Sqm	1	13.0	7.0	7.0	7.0		91.0
	3			Sqm	1	13.0	7.0	7.0	7.0		91.0
	<b>Kanakapura cross</b>										
	Ch 300 - 325			Sqm	2	25.0	1.6	0.9	1.3		62.5
	Ch 360 - 386			Sqm	2	26.0	1.0	1.1	1.0		52.0
	<b>APPROCH ROAD TOWARDS CHANMANAHALLI</b>					1	22.0	8.5	1.0	4.8	104.5
	<b>Janapadaloka towards bangalore</b>										
	<b>Chainage 0 to 700 m LHS</b>										
		0	30	Sqm	1	30.0	4.1	3.2	3.7		109.5
		30	60	Sqm	1	30.0	3.2	3.1	3.2		94.5
		60	90	Sqm	1	30.0	3.1	3.1	3.1		93.0
		90	120	Sqm	1	30.0	3.1	3.1	3.1		93.0
		120	150	Sqm	1	30.0	3.1	3.1	3.1		93.0
		150	180	Sqm	1	30.0	3.1	3.1	3.1		93.0
		180	210	Sqm	1	30.0	3.1	3.1	3.1		93.0
		210	240	Sqm	1	30.0	3.1	3.1	3.1		93.0
		240	270	Sqm	1	30.0	3.1	3.1	3.1		93.0
		270	300	Sqm	1	30.0	3.1	3.1	3.1		93.0
		300	330	Sqm	1	30.0	3.1	3.1	3.1		93.0
		330	360	Sqm	1	30.0	3.1	3.1	3.1		93.0
		360	390	Sqm	1	30.0	3.1	3.1	3.1		93.0
		390	420	Sqm	1	30.0	3.1	3.1	3.1		93.0
		420	450	Sqm	1	30.0	3.1	3.1	3.1		93.0
		450	480	Sqm	1	30.0	3.1	3.1	3.1		93.0
		480	510	Sqm	1	30.0	3.1	3.1	3.1		93.0
		510	520	Sqm	1	10.0	3.1	2.2	2.7		26.5
		520	526	Sqm	1	6.0	0.0	0.0	0.0		0.0
		526	540	Sqm	1	14.0	2.6	3.1	2.9		39.9
		540	570	Sqm	1	30.0	3.1	3.1	3.1		93.0

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Director

Section Engineer

Asst Executive Engineer



		570	600	Sqm	1	30.0	3.1	3.1	3.1		93.0
		600	630	Sqm	1	30.0	3.1	3.1	3.1		93.0
		630	660	Sqm	1	30.0	3.1	3.1	3.1		93.0
		660	690	Sqm	1	30.0	3.1	3.1	3.1		93.0
		690	700	Sqm	1	10.0	3.1	3.1	3.1		31.0
<b>Chainage 0 to 744 m RHS</b>											
		190	210	Sqm	1	20.0	2.1	2.9	2.5		50.0
		210	240	Sqm	1	30.0	2.9	3.1	3.0		90.0
		240	270	Sqm	1	30.0	3.1	4.0	3.6		106.5
		270	300	Sqm	1	30.0	4.0	3.7	3.9		115.5
		300	330	Sqm	1	30.0	3.7	3.7	3.7		111.0
		330	360	Sqm	1	30.0	3.7	3.8	3.8		112.5
		360	390	Sqm	1	30.0	3.8	3.8	3.8		114.0
		390	420	Sqm	1	30.0	3.8	3.7	3.8		112.5
		420	450	Sqm	1	30.0	3.7	3.7	3.7		111.0
		450	480	Sqm	1	30.0	3.7	4.0	3.9		115.5
		480	510	Sqm	1	30.0	4.0	3.7	3.9		115.5
		510	520	Sqm	1	10.0	3.7	2.3	3.0		30.0
		520	526	Sqm	1	6.0	0.0	0.0	0.0		0.0
		526	540	Sqm	1	14.0	2.3	3.5	2.9		40.6
		540	570	Sqm	1	30.0	3.5	3.3	3.4		102.0
		570	600	Sqm	1	30.0	3.3	3.2	3.3		97.5
		600	630	Sqm	1	30.0	3.2	3.5	3.4		100.5
		630	660	Sqm	1	30.0	3.5	3.3	3.4		102.0
		660	690	Sqm	1	30.0	3.3	3.3	3.3		99.0
		690	720	Sqm	1	30.0	3.3	3.4	3.4		100.5
		720	744	Sqm	1	24.0	3.4	3.4	3.4		81.6
<b>Janapadaloka towards bangalore</b>											
<b>Chainage 102 to 240 m RHS</b>											
		102	120	Sqm	1	18.0	4.0	4.0	4.0		72.0
		120	150	Sqm	1	30.0	4.0	4.0	4.0		120.0
		150	180	Sqm	1	30.0	4.0	4.0	4.0		120.0
		180	210	Sqm	1	30.0	4.0	4.0	4.0		120.0
		210	240	Sqm	1	30.0	4.0	4.0	4.0		120.0
<b>Janapada Loka</b>											
<b>Chainage 0 to 660 m LHS</b>											
		0	30	Sqm	1	30.0	5.0	5.0	5.0		150.0
		30	60	Sqm	1	30.0	5.0	5.0	5.0		150.0
		60	90	Sqm	1	30.0	5.0	5.0	5.0		150.0
		90	120	Sqm	1	30.0	5.0	5.0	5.0		150.0
		120	150	Sqm	1	30.0	5.0	5.0	5.0		150.0
		150	180	Sqm	1	30.0	5.0	5.0	5.0		150.0
		180	210	Sqm	1	30.0	5.0	5.0	5.0		150.0
		210	240	Sqm	1	30.0	5.0	5.0	5.0		150.0
		240	270	Sqm	1	30.0	5.0	5.0	5.0		150.0
		270	300	Sqm	1	30.0	5.0	5.0	5.0		150.0
		300	330	Sqm	1	30.0	5.0	5.0	5.0		150.0
		330	360	Sqm	1	30.0	5.0	5.0	5.0		150.0
		360	390	Sqm	1	30.0	5.0	5.0	5.0		150.0

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**Director**

Section Engineer

Asst Executive Engineer

		390	420	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		420	450	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		450	480	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		480	510	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		510	540	Sqm	1	30.0	5.0	3.0	4.0	120.0	
		540	570	Sqm	1	30.0	3.0	3.0	3.0	90.0	
		570	600	Sqm	1	30.0	3.0	4.0	3.5	105.0	
		600	630	Sqm	1	30.0	4.0	4.1	4.1	121.5	
		630	660	Sqm	1	30.0	4.1	4.1	4.1	123.0	
		<b>Chainage 0 to 660 m RHS</b>									
		0	30	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		30	60	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		60	90	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		90	102	Sqm	1	12.0	5.0	2.2	3.6	43.2	
		102	120	Sqm	1	18.0	2.2	2.1	2.2	38.7	
		120	150	Sqm	1	30.0	2.1	2.0	2.1	61.5	
		150	180	Sqm	1	30.0	2.0	2.1	2.1	61.5	
		180	210	Sqm	1	30.0	2.1	2.0	2.1	61.5	
		210	240	Sqm	1	30.0	2.0	4.0	3.0	90.0	
		240	270	Sqm	1	30.0	4.0	4.0	4.0	120.0	
		270	300	Sqm	1	30.0	4.0	4.0	4.0	120.0	
		300	330	Sqm	1	30.0	4.0	4.0	4.0	120.0	
		330	360	Sqm	1	30.0	4.0	4.0	4.0	120.0	
		360	390	Sqm	1	30.0	4.0	5.0	4.5	135.0	
		390	420	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		420	450	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		450	480	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		480	510	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		510	540	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		540	570	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		570	600	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		600	630	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		630	660	Sqm	1	30.0	5.0	5.0	5.0	150.0	
		<b>B G S school road</b>									
		0	30	Sqm	2	30.0	4.0	4.0	4.0	240.0	
		30	60	Sqm	2	30.0	4.0	4.0	4.0	240.0	
		<b>Government Polytechnic</b>									
		<b>Bell mouth</b>				1	9	20.3	4.7	12.5	112.5
		<b>Forest office</b>									
		<b>Chainage 0 to 107 m</b>									
		0	30	Sqm	1	30.0	5.5	5.5	5.5	165.0	
		30	60	Sqm	1	30.0	5.5	5.5	5.5	165.0	
		60	90	Sqm	1	30.0	5.5	5.5	5.5	165.0	
		90	107	Sqm	1	17.0	5.5	5.5	5.5	93.5	
		<b>Bell mouth</b>				1	4	4.6	6	5.3	21.2
		<b>Govt. Engineering College</b>									
		<b>Chainage 660 to 990 m LHS</b>									
		660	690	Sqm	1	30.0	4.1	5.0	4.6	136.5	
		690	720	Sqm	1	30.0	5.0	5.0	5.0	150.0	

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Contractor  
**Director**

  
Section Engineer

  
Asst Executive Engineer





Kanva cross road										
Chainage 0 to 350 m RHS										
	0	30	Sqm	1	30.0	13.1	11.8	12.4		372.8
	30	40	Sqm	1	10.0	11.8	11.3	11.5		115.3
	40	60	Sqm	1	20.0	11.3	8.7	10.0		200.0
	60	90	Sqm	1	30.0	8.7	8.5	8.6		258.0
	90	120	Sqm	1	30.0	8.5	8.3	8.4		252.0
	120	150	Sqm	1	30.0	8.3	8.0	8.2		244.5
	150	180	Sqm	1	30.0	8.0	8.1	8.1		241.5
	180	210	Sqm	1	30.0	8.1	8.2	8.2		244.5
	210	240	Sqm	1	30.0	8.2	7.5	7.9		235.5
	240	270	Sqm	1	30.0	7.5	8.5	8.0		240.0
	270	300	Sqm	1	30.0	8.5	7.5	8.0		240.0
	300	330	Sqm	1	30.0	7.5	7.5	7.5		225.0
	330	338	Sqm	1	8.0	7.5	7.5	7.5		60.0
Chainage 0 to 187 m RHS										
	0	30	Sqm	1	30.0	14.6	6.1	10.4		310.5
	30	60	Sqm	1	30.0	6.1	6.0	6.1		181.5
	60	90	Sqm	1	30.0	6.0	6.0	6.0		180.0
	90	120	Sqm	1	30.0	6.0	6.0	6.0		180.0
	120	150	Sqm	1	30.0	6.0	6.0	6.0		180.0
	150	180	Sqm	1	30.0	6.0	9.0	7.5		225.0
	180	187	Sqm	1	7.0	9.0	9.0	9.0		63.0
Bell mouth					1	5	5.7	3	4.4	21.8
Kengal Kanva										
Chainage 2060 to 3410 m LHS										
	2060	2090	Sqm	1	30.0	3.3	3.8	3.6		106.5
	2090	2120	Sqm	1	30.0	3.8	4.5	4.2		124.5
	2120	2150	Sqm	1	30.0	4.5	4.5	4.5		135.0
	2150	2180	Sqm	1	30.0	4.5	4.5	4.5		135.0
	2180	2210	Sqm	1	30.0	4.5	4.5	4.5		135.0
	2210	2240	Sqm	1	30.0	4.5	4.5	4.5		135.0
	2240	2270	Sqm	1	30.0	4.5	4.5	4.5		135.0
	2270	2300	Sqm	1	30.0	4.5	4.5	4.5		135.0
	2300	2330	Sqm	1	30.0	4.5	4.5	4.5		135.0
	2330	2360	Sqm	1	30.0	4.5	4.5	4.5		135.0
	2360	2390	Sqm	1	30.0	4.5	4.5	4.5		135.0
	2390	2420	Sqm	1	30.0	4.5	5.0	4.8		142.5
	2420	2450	Sqm	1	30.0	5.0	4.1	4.6		136.5
	2450	2480	Sqm	1	30.0	4.1	5.2	4.7		139.5
	2480	2510	Sqm	1	30.0	5.2	5.0	5.1		153.0
	2510	2540	Sqm	1	30.0	5.0	4.3	4.7		139.5
	2540	2570	Sqm	1	30.0	4.3	5.5	4.9		147.0
	2570	2600	Sqm	1	30.0	5.5	6.0	5.8		172.5
	2600	2630	Sqm	1	30.0	6.0	6.0	6.0		180.0
	2630	2660	Sqm	1	30.0	6.0	6.0	6.0		180.0
	2660	2690	Sqm	1	30.0	6.0	6.0	6.0		180.0
	2690	2720	Sqm	1	30.0	6.0	6.0	6.0		180.0
	2720	2750	Sqm	1	30.0	6.0	6.0	6.0		180.0
	2750	2780	Sqm	1	30.0	6.0	6.0	6.0		180.0
	2780	2810	Sqm	1	30.0	6.0	6.0	6.0		180.0
	2810	2840	Sqm	1	30.0	6.0	6.0	6.0		180.0

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Contractor  
Director

Section Engineer

Asst. Executive Engineer



	Bell mouth	2915	2940	Sqm							0.0
	Kengal junction	2940	2970	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2970	3000	Sqm	1	30.0	6.0	6.0	6.0		180.0
		3000	3030	Sqm	1	30.0	6.0	6.0	6.0		180.0
		3030	3060	Sqm	1	30.0	6.0	6.0	6.0		180.0
		3060	3090	Sqm	1	30.0	6.0	6.0	6.0		180.0
		3090	3120	Sqm	1	30.0	6.0	6.0	6.0		180.0
		3120	3150	Sqm	1	30.0	6.0	3.8	4.9		147.0
		3150	3180	Sqm	1	30.0	3.8	2.0	2.9		87.0
		3180	3190	Sqm	1	10.0	2.0	4.0	3.0		30.0
		3190	3220	Sqm	1	30.0	4.0	4.5	4.3		127.5
		3220	3250	Sqm	1	30.0	4.5	4.5	4.5		135.0
		3250	3280	Sqm	1	30.0	4.5	2.3	3.4		102.0
		3280	3310	Sqm	1	30.0	2.3	2.5	2.4		72.0
		3310	3340	Sqm	1	30.0	2.5	2.6	2.6		76.5
		3340	3370	Sqm	1	30.0	2.6	1.4	2.0		60.0
		3370	3400	Sqm	1	30.0	1.4	1.4	1.4		42.0
		3400	3430	Sqm	1	30.0	1.4	1.1	1.3		37.5
		3430	3460	Sqm	1	30.0	1.1	0.7	0.9		27.0
	Bell mouth @ 2915			Sqm	1	20.0	25.0	15.0	20.0		400.0
	<b>Kuvempu college</b>										
	<b>Chainage 3700 to 4330 m LHS</b>										
		3700	3730	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3730	3760	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3760	3790	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3790	3820	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3820	3850	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3850	3880	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3880	3910	Sqm	1	30.0	5.0	5.0	5.0		150.0
	KUVEMPU COLLEGE JUNCTION	3910	3940	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3940	3970	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3970	4000	Sqm	1	30.0	5.0	5.0	5.0		150.0
		4000	4030	Sqm	1	30.0	5.0	5.0	5.0		150.0
		4030	4060	Sqm	1	30.0	5.0	3.0	4.0		120.0
		4060	4090	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4090	4120	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4120	4150	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4150	4180	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4180	4210	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4210	4240	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4240	4270	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4270	4300	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4300	4330	Sqm	1	30.0	3.0	3.0	3.0		90.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer





		5170	5200	Sqm	1	30.0	4.0	4.0	4.0	120.0
		5200	5230	Sqm	1	30.0	4.0	4.0	4.0	120.0
<b>Chainage 4320 to 5200 m RHS</b>										
		4320	4350	Sqm	1	30.0	5.0	4.0	4.5	135.0
		4350	4380	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4380	4410	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4410	4440	Sqm	1	30.0	4.0	4.0	4.0	120.0
	Vandarakup pe gate	4440	4455	Sqm						
		4455	4485	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4485	4515	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4515	4545	Sqm	1	30.0	5.0	6.0	5.5	165.0
		4545	4575	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4575	4605	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4605	4635	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4635	4665	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4665	4695	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4695	4725	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4725	4755	Sqm	1	30.0	6.0	6.0	6.0	180.0
	PTC	4755 - 4900								
		4900	4930	Sqm	1	30.0	4.6	4.6	4.6	138.0
		4930	4960	Sqm	1	30.0	4.6	4.6	4.6	138.0
		4960	4990	Sqm	1	30.0	4.6	5.0	4.8	144.0
		4990	5020	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5020	5050	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5050	5080	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5080	5110	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5110	5140	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5140	5170	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5170	5200	Sqm	1	30.0	5.0	5.0	5.0	150.0
<b>Yarabanagara cross</b>										
<b>Chainage 5230 to 5980 m LHS</b>										
		5230	5260	Sqm	1	30.0	4.0	5.0	4.5	135.0
		5260	5290	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5290	5320	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5320	5350	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5350	5380	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5380	5410	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5410	5440	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5440	5470	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5470	5500	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5500	5530	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5530	5560	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5560	5590	Sqm	1	30.0	5.0	4.6	4.8	144.0
		5590	5620	Sqm	1	30.0	4.6	3.6	4.1	123.0
		5620	5650	Sqm	1	30.0	3.6	3.6	3.6	108.0
		5650	5680	Sqm	1	30.0	3.6	5.0	4.3	129.0
		5680	5710	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5710	5740	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5740	5770	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5770	5800	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5800	5830	Sqm	1	30.0	5.0	5.0	5.0	150.0

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	Kengal next to temple			Cum	1	30.0	4.0	6.0	5.0	2.50	375.0
				Cum	1	30.0	6.0	6.0	6.0	2.50	450.0
				Cum	1	30.0	6.0	6.0	6.0	2.50	450.0
				Cum	1	30.0	6.0	6.0	6.0	2.50	450.0
				Cum	1	30.0	6.0	6.0	6.0	2.50	450.0
				Cum	1	30.0	6.0	6.0	6.0	2.50	450.0
				Cum	1	30.0	6.0	6.0	6.0	2.50	450.0
	Kengal cobble stone										
		0	30	Sqm	1	30.0	5.0	5.0	5.0	0.20	30.0
		30	60	Sqm	1	30.0	5.0	5.0	5.0	0.20	30.0
		60	90	Sqm	1	30.0	5.0	5.0	5.0	0.20	30.0
		90	120	Sqm	1	30.0	5.0	5.0	5.0	0.20	30.0
		120	150	Sqm	1	30.0	5.0	5.0	5.0	0.20	30.0
		150	152	Sqm	1	2.0	5.0	5.0	5.0	0.20	2.0
		0	30	Sqm	1	30.0	5.0	5.0	5.0	0.20	30.0
		30	60	Sqm	1	30.0	5.0	5.0	5.0	0.20	30.0
	Govt Engineering college bell m			Cum	1	20.0	25.0	11.0	18.0	4.50	1620.0
	APMC cobble stone										
	LHS	0	30	Sqm	1	30.0	1.6	2.8	2.2	0.20	13.2
		30	60	Sqm	1	30.0	2.8	2.5	2.7	0.20	15.9
		60	90	Sqm	1	30.0	2.5	2.9	2.7	0.20	16.2
		90	120	Sqm	1	30.0	2.9	2.8	2.9	0.20	17.1
		120	150	Sqm	1	30.0	2.8	2.8	2.8	0.20	16.8
		150	162	Sqm	1	12.0	2.8	2.3	2.6	0.20	6.1
	LHS	183	210	Sqm	1	27.0	2.6	2.8	2.7	0.20	14.6
		210	240	Sqm	1	30.0	2.8	4.0	3.4	0.20	20.4
	LHS	255	262	Sqm	1	7.0	2.6	2.6	2.6	0.20	3.6
		262	273	Sqm	1	11.0	6.4	1.9	4.2	0.20	9.1
	LHS	290	320	Sqm	1	30.0	1.9	2.2	2.1	0.20	12.3
		320	350	Sqm	1	30.0	2.2	1.7	2.0	0.20	11.7
		350	380	Sqm	1	30.0	1.7	2.7	2.2	0.20	13.2
		380	397	Sqm	1	17.0	2.7	2.1	2.4	0.20	8.2
	LHS	419	445	Sqm	1	26.0	2.8	2.6	2.7	0.20	14.0
	RHS	0	30	Sqm	1	30.0	1.8	2.0	1.9	0.20	11.4
		30	60	Sqm	1	30.0	2.0	2.4	2.2	0.20	13.2
		60	78	Sqm	1	18.0	2.4	2.9	2.7	0.20	9.5
	RHS	88	90	Sqm	1	2.0	3.1	3.1	3.1	0.20	1.2
		90	120	Sqm	1	30.0	3.1	3.0	3.1	0.20	18.3
		120	150	Sqm	1	30.0	3.0	3.0	3.0	0.20	18.0
	RHS	180	210	Sqm	1	30.0	3.0	3.0	3.0	0.20	18.0
		210	240	Sqm	1	30.0	3.0	3.0	3.0	0.20	18.0
	RHS	262	292	Sqm	1	30.0	3.0	2.7	2.9	0.20	17.1
		292	300	Sqm	1	8.0	2.7	2.7	2.7	0.20	4.3
		300	330	Sqm	1	30.0	2.7	3.3	3.0	0.20	18.0
	RHS	376	390	Sqm	1	14.0	2.3	3.3	2.8	0.20	7.8

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RHS	427	450	Sqm	1	23.0	3.7	5.4	4.6	0.20	20.9
	450	469	Sqm	1	19.0	5.4	7.7	6.6	0.20	24.9
<b>Chainage 0 to 660 m LHS</b>										
	0	30	Cum	1	30.0	3.4	5.6	4.5	0.25	33.8
	30	60	Cum	1	30.0	5.6	6.0	5.8	0.25	43.5
	60	90	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
	90	120	Cum	1	30.0	6.0	4.0	5.0	0.25	37.5
	120	150	Cum	1	30.0	4.0	6.4	5.2	0.25	39.0
	150	180	Cum	1	30.0	6.4	4.7	5.6	0.25	41.6
	180	210	Cum	1	30.0	4.7	3.3	4.0	0.25	30.0
	210	240	Cum	1	30.0	3.3	1.8	2.6	0.25	19.1
	240	270	Cum	1	30.0	1.8	2.0	1.9	0.25	14.3
	270	300	Cum	1	30.0	2.0	4.4	3.2	0.25	24.0
	300	330	Cum	1	30.0	4.4	4.4	4.4	0.25	33.0
	330	360	Cum	1	30.0	4.4	4.2	4.3	0.25	32.3
	360	390	Cum	1	30.0	4.2	4.1	4.2	0.25	31.1
	390	420	Cum	1	30.0	4.1	4.1	4.1	0.25	30.8
	420	450	Cum	1	30.0	4.1	4.1	4.1	0.25	30.8
	450	480	Cum	1	30.0	4.1	3.0	3.6	0.25	26.6
	480	510	Cum	1	30.0	3.0	4.5	3.8	0.25	28.1
	510	540	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8
<b>Chainage 0 to 660 m RHS</b>										
	0	30	Cum	1	30.0	1.6	1.8	1.7	0.25	12.8
	30	60	Cum	1	30.0	1.8	1.6	1.7	0.25	12.8
	60	90	Cum	1	30.0	1.6	0.0	0.8	0.25	6.0
	90	102	Cum	1	12.0	0.0	0.0	0.0	0.25	0.0
	102	120	Cum	1	18.0	0.0	0.0	0.0	0.25	0.0
	120	150	Cum	1	30.0	0.0	0.0	0.0	0.25	0.0
	150	180	Cum	1	30.0	0.0	0.0	0.0	0.25	0.0
	180	210	Cum	1	30.0	0.0	1.1	0.6	0.25	4.1
	210	240	Cum	1	30.0	1.1	1.0	1.1	0.25	7.9
	240	270	Cum	1	30.0	1.0	1.1	1.1	0.25	7.9
	270	300	Cum	1	30.0	1.1	1.1	1.1	0.25	8.3
	300	330	Cum	1	30.0	1.1	2.7	1.9	0.25	14.3
	330	360	Cum	1	30.0	2.7	2.7	2.7	0.25	20.3
	360	390	Cum	1	30.0	2.7	2.7	2.7	0.25	20.3
	390	420	Cum	1	30.0	2.7	2.7	2.7	0.25	20.3
	420	450	Cum	1	30.0	2.7	1.3	2.0	0.25	15.0
	450	480	Cum	1	30.0	1.3	1.4	1.4	0.25	10.1
	480	510	Cum	1	30.0	1.4	1.4	1.4	0.25	10.5
	510	540	Cum	1	30.0	1.4	1.5	1.5	0.25	10.9
	540	570	Cum	1	30.0	1.5	2.7	2.1	0.25	15.8
	570	600	Cum	1	30.0	2.7	2.7	2.7	0.25	20.3
<b>Kengal Kanva</b>										
<b>Chainage 2060 to 3410 m LHS</b>										
	2060	2090	Cum	1	30.0	3.9	3.9	3.9	0.25	29.3
	2090	2120	Cum	1	30.0	3.9	3.9	3.9	0.25	29.3
	2120	2150	Cum	1	30.0	3.9	3.9	3.9	0.25	29.3
	2150	2180	Cum	1	30.0	3.9	3.9	3.9	0.25	29.3
	2180	2210	Cum	1	30.0	3.9	3.9	3.9	0.25	29.3
	2210	2240	Cum	1	30.0	3.9	3.9	3.9	0.25	29.3
	2240	2270	Cum	1	30.0	3.9	3.9	3.9	0.25	29.3

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		2705	2735	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		2735	2765	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		2765	2795	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		2795	2825	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
	Bell mouth										
	Kengal junction	2940	2970	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		2970	3000	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		3000	3030	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		3030	3060	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		3060	3090	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		3090	3120	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		3150	3180	Cum	1	30.0	2.4	2.4	2.4	0.25	18.0
		3180	3210	Cum	1	30.0	2.4	2.4	2.4	0.25	18.0
		3210	3240	Cum	1	30.0	2.4	2.4	2.4	0.25	18.0
	Kuvempu college										
	Chainage 3700 to 4330 m LHS										
		3700	3730	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		3730	3760	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		3760	3790	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		3790	3820	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		3820	3850	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		3850	3880	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		3880	3910	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
	KUVEMPU COLLEGE JUNCTION	3910	3940	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		3940	3970	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		3970	4000	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4000	4030	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4030	4060	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
	Chainage 3690 to 4320 m RHS										
	KUVEMPU COLLEGE										
		3960	3990	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		3990	4020	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4020	4050	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4050	4080	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4080	4110	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4110	4140	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4140	4170	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4170	4200	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4200	4230	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4230	4260	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4260	4290	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4290	4320	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
	Vandarakuppe gate										
	Chainage 4330 to 5230 m LHS				1	0	0	0			0.0

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Chainage 4320 to 5200 m RHS											
Vandarakup pe gate	4440	4445	Cum								
	4445	4475	Cum	1	30.0	2.7	2.7	2.7	2.7	0.25	20.3
	4475	4505	Cum	1	30.0	2.7	2.7	2.7	2.7	0.25	20.3
	4505	4535	Cum	1	30.0	2.7	2.7	2.7	2.7	0.25	20.3
	4535	4565	Cum	1	30.0	2.7	2.7	2.7	2.7	0.25	20.3
	4565	4595	Cum	1	30.0	2.7	2.7	2.7	2.7	0.25	20.3
	4595	4625	Cum	1	30.0	2.7	2.7	2.7	2.7	0.25	20.3
	4625	4655	Cum	1	30.0	2.7	2.7	2.7	2.7	0.25	20.3
	4655	4685	Cum	1	30.0	2.7	2.7	2.7	2.7	0.25	20.3
	4685	4715	Cum	1	30.0	2.7	2.7	2.7	2.7	0.25	20.3
	4715	4755	Cum	1	40.0	2.7	2.7	2.7	2.7	0.25	27.0
PTC	4755 - 4900										
Yarabanagara cross											
Chainage 5230 to 5980 m LHS											
	5230	5260	Cum	1	30.0	3.0	3.0	3.0	3.0	0.25	22.5
	5260	5290	Cum	1	30.0	3.0	3.0	3.0	3.0	0.25	22.5
	5290	5320	Cum	1	30.0	3.0	3.0	3.0	3.0	0.25	22.5
	5320	5350	Cum	1	30.0	3.0	3.0	3.0	3.0	0.25	22.5
	5350	5380	Cum	1	30.0	3.0	3.0	3.0	3.0	0.25	22.5
	5380	5410	Cum	1	30.0	3.0	3.0	3.0	3.0	0.25	22.5
	5410	5440	Cum	1	30.0	3.0	3.0	3.0	3.0	0.25	22.5
	5650	5680	Cum	1	30.0	2.5	2.5	2.5	2.5	0.25	18.8
	5680	5710	Cum	1	30.0	2.5	2.5	2.5	2.5	0.25	18.8
	5710	5740	Cum	1	30.0	2.5	2.5	2.5	2.5	0.25	18.8
	5740	5770	Cum	1	30.0	2.5	2.5	2.5	2.5	0.25	18.8
	5770	5800	Cum	1	30.0	2.5	2.5	2.5	2.5	0.25	18.8
	5800	5830	Cum	1	30.0	2.5	2.5	2.5	2.5	0.25	18.8
	5830	5860	Cum	1	30.0	2.5	2.5	2.5	2.5	0.25	18.8
	5860	5890	Cum	1	30.0	2.5	2.5	2.5	2.5	0.25	18.8
	5890	5920	Cum	1	30.0	2.5	2.5	2.5	2.5	0.25	18.8
	5920	5950	Cum	1	30.0	2.5	2.5	2.5	2.5	0.25	18.8
	5950	5980	Cum	1	30.0	2.5	2.5	2.5	2.5	0.25	18.8
Chainage 5225 to 6005 m RHS											
	5225	5255	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5255	5285	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5285	5315	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5315	5345	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5345	5375	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5375	5405	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5405	5435	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5525	5555	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5555	5585	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5585	5615	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5615	5645	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5645	5675	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5675	5705	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5705	5735	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5735	5765	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5765	5795	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3
	5795	5825	Cum	1	30.0	2.7	2.7	2.7	2.7	0.30	24.3

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		1445	1475	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1475	1505	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1505	1535	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1535	1565	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1565	1595	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1595	1625	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1625	1655	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1655	1685	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1685	1715	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1715	1745	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1745	1775	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1775	1805	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1805	1835	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1835	1865	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1865	1895	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1895	1925	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1925	1955	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1955	1985	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		1985	2015	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
		2015	2045	Cum	1	30.0	4.0	4.0	4.0	0.30	36.0
											12741.46
										<b>Total</b>	<b>12741.5</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>12741.50</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

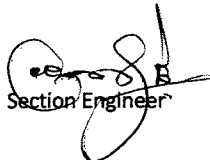
Measurement recorded on :-

8 Construction of granular sub-base Grading-Vas Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2) /2	Depth (m)	Quantity
<b>APMC Junction</b>										
<b>Chainage 0 to 457 m LHS</b>										
	0	30	Cum	1	30.0	9.7	11.0	10.4	0.20	62.1
	30	60	Cum	1	30.0	11.0	11.0	11.0	0.20	66.0
	60	90	Cum	1	30.0	11.0	10.4	10.7	0.20	64.2
	90	120	Cum	1	30.0	10.4	9.8	10.1	0.20	60.6
	120	150	Cum	1	30.0	9.8	10.4	10.1	0.20	60.6
	150	180	Cum	1	30.0	10.4	13.6	12.0	0.20	72.0
	180	210	Cum	1	30.0	13.6	11.0	12.3	0.20	73.8
	210	240	Cum	1	30.0	11.0	11.0	11.0	0.20	66.0
	240	270	Cum	1	30.0	11.0	12.3	11.7	0.20	69.9
	270	300	Cum	1	30.0	12.3	9.8	11.1	0.20	66.3
	300	330	Cum	1	30.0	9.8	9.0	9.4	0.20	56.4
	330	360	Cum	1	30.0	9.0	9.8	9.4	0.20	56.4
	360	390	Cum	1	30.0	9.8	9.6	9.7	0.20	58.2
	390	420	Cum	1	30.0	9.6	11.6	10.6	0.20	63.6
	420	450	Cum	1	30.0	11.6	10.6	11.1	0.20	66.6
	450	457	Cum	1	7.0	10.6	10.3	10.5	0.20	14.6

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	Bell mouth	0	25	Cum	1	25.0	9.7	7.0	8.4	0.20	41.8
		25	38	Cum	1	13.0	7.0	7.0	7.0	0.20	18.2
	1			Cum	1	17.0	6.0	6.0	6.0	0.20	20.4
	2			Cum	1	13.0	7.0	7.0	7.0	0.20	18.2
	3			Cum	1	13.0	7.0	7.0	7.0	0.20	18.2
<b>Kanakapura cross</b>											
	Ch 300 - 325			Cum	2	25.0	1.6	0.9	1.3	0.20	12.5
	Ch 360 - 386			Cum	2	26.0	1.0	1.1	1.0	0.20	10.4
<b>APPROCH ROAD TOWARDS CHANMANAHALLI</b>											
					1	22.0	8.5	1.0	4.8	0.20	20.9
<b>Janapadaloka towards bangalore</b>											
<b>Chainage 0 to 700 m LHS</b>											
	0	30		Cum	1	30.0	4.1	3.2	3.7	0.20	21.9
	30	60		Cum	1	30.0	3.2	3.1	3.2	0.20	18.9
	60	90		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	90	120		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	120	150		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	150	180		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	180	210		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	210	240		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	240	270		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	270	300		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	300	330		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	330	360		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	360	390		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	390	420		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	420	450		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	450	480		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	480	510		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	510	520		Cum	1	10.0	3.1	2.2	2.7	0.20	5.3
	520	526		Cum	1	6.0	0.0	0.0	0.0	0.00	0.0
	526	540		Cum	1	14.0	2.6	3.1	2.9	0.20	8.0
	540	570		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	570	600		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	600	630		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	630	660		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	660	690		Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
	690	700		Cum	1	10.0	3.1	3.1	3.1	0.20	6.2
<b>Chainage 0 to 744 m RHS</b>											
	190	210		Cum	1	20.0	2.1	2.9	2.5	0.20	10.0
	210	240		Cum	1	30.0	2.9	3.1	3.0	0.20	18.0
	240	270		Cum	1	30.0	3.1	4.0	3.6	0.20	21.3
	270	300		Cum	1	30.0	4.0	3.7	3.9	0.20	23.1
	300	330		Cum	1	30.0	3.7	3.7	3.7	0.20	22.2
	330	360		Cum	1	30.0	3.7	3.8	3.8	0.20	22.5
	360	390		Cum	1	30.0	3.8	3.8	3.8	0.20	22.8
	390	420		Cum	1	30.0	3.8	3.7	3.8	0.20	22.5

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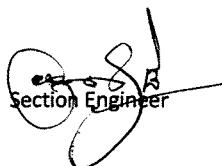
Asst Executive Engineer



		180	210	Cum	1	30.0	2.1	2.0	2.1	0.20	12.3
		210	240	Cum	1	30.0	2.0	4.0	3.0	0.20	18.0
		240	270	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		270	300	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		300	330	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		330	360	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		360	390	Cum	1	30.0	4.0	5.0	4.5	0.20	27.0
		390	420	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		420	450	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		450	480	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		480	510	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		510	540	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		540	570	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		570	600	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		600	630	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		630	660	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		<b>B G S school road</b>									
		0	30	Cum	2	30.0	4.0	4.0	4.0	0.20	48.0
		30	60	Cum	2	30.0	4.0	4.0	4.0	0.20	48.0
		<b>Government Polytechnic</b>									
		Bell mouth			1	9	20.3	4.7	12.5	0.20	22.5
		<b>Forest office</b>									
		<b>Chainage 0 to 107 m</b>									
		0	30	Cum	1	30.0	5.5	5.5	5.5	0.20	33.0
		30	60	Cum	1	30.0	5.5	5.5	5.5	0.20	33.0
		60	90	Cum	1	30.0	5.5	5.5	5.5	0.20	33.0
		90	107	Cum	1	17.0	5.5	5.5	5.5	0.20	18.7
		Bell mouth			1	4	4.6	6	5.3	0.20	4.2
		<b>Govt. Engineering College</b>									
		<b>Chainage 660 to 990 m LHS</b>									
		660	690	Cum	1	30.0	4.1	5.0	4.6	0.20	27.3
		690	720	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		720	750	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		750	780	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		780	810	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		810	840	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		840	870	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		870	900	Cum	1	30.0	5.0	4.5	4.8	0.20	28.5
		900	930	Cum	1	30.0	4.5	5.0	4.8	0.20	28.5
		930	960	Cum	1	30.0	5.0	4.0	4.5	0.20	27.0
		960	990	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		990	1020	Cum	1	30.0	4.0	3.5	3.8	0.20	22.5
		1020	1050	Cum	1	30.0	3.5	3.5	3.5	0.20	21.0
		1050	1080	Cum	1	30.0	3.5	3.5	3.5	0.20	21.0
		<b>Chainage 660 to 990 m RHS</b>									
		660	690	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		690	720	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		720	750	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		750	780	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0

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Section Engineer

  
Asst Executive Engineer

		780	810	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		810	840	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		840	870	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		870	900	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		900	930	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		930	960	Cum	1	30.0	5.0	4.5	4.8	0.20	28.5
		960	990	Cum	1	30.0	4.5	4.2	4.4	0.20	26.1
		990	1020	Cum	1	30.0	4.2	4.0	4.1	0.20	24.6
		1020	1050	Cum	1	30.0	4.0	3.0	3.5	0.20	21.0
		1050	1060	Cum	1	10.0	3.0	4.0	3.5	0.20	7.0
		Bell mouth			1	22	19	28	23.5	0.20	103.4
		Manshetahalli									
		Chainage 1080 to 2060 m LHS									
		1080	1110	Cum	1	30.0	3.5	5.0	4.3	0.20	25.5
		1110	1140	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1140	1170	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1170	1200	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1200	1230	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1230	1260	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1260	1290	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1290	1320	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1320	1350	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1350	1380	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1380	1410	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1410	1440	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1440	1470	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1470	1500	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1500	1530	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1530	1560	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1560	1590	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1590	1620	Cum	1	30.0	5.0	3.3	4.2	0.20	24.9
		1620	1650	Cum	1	30.0	3.3	3.1	3.2	0.20	19.2
		1650	1680	Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
		1680	1710	Cum	1	30.0	3.1	3.2	3.2	0.20	18.9
		1710	1740	Cum	1	30.0	3.2	3.1	3.2	0.20	18.9
		1740	1770	Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
		1770	1800	Cum	1	30.0	3.1	3.2	3.2	0.20	18.9
		1800	1830	Cum	1	30.0	3.2	3.1	3.2	0.20	18.9
		1830	1860	Cum	1	30.0	3.1	3.2	3.2	0.20	18.9
		1860	1890	Cum	1	30.0	3.2	3.1	3.2	0.20	18.9
		1890	1920	Cum	1	30.0	3.1	3.1	3.1	0.20	18.6
		1920	1950	Cum	1	30.0	3.1	3.2	3.2	0.20	18.9
		1950	1980	Cum	1	30.0	3.2	3.3	3.3	0.20	19.5
		1980	2010	Cum	1	30.0	3.3	3.2	3.3	0.20	19.5
		2010	2040	Cum	1	30.0	3.2	3.2	3.2	0.20	19.2
		2040	2060	Cum	1	20.0	3.2	3.3	3.3	0.20	13.0
		Chainage 1060 to 2045 m RHS									
		1060	1085	Cum	1	25.0	4.0	5.0	4.5	0.20	22.5
		1085	1115	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1115	1145	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1145	1175	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		1175	1205	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0

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Chainage 0 to 187 m RHS											
		0	30	Cum	1	30.0	14.6	6.1	10.4	0.20	62.1
		30	60	Cum	1	30.0	6.1	6.0	6.1	0.20	36.3
		60	90	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		90	120	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		120	150	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		150	180	Cum	1	30.0	6.0	9.0	7.5	0.20	45.0
		180	187	Cum	1	7.0	9.0	9.0	9.0	0.20	12.6
		Bell mouth			1	5	5.7	3	4.4	0.20	4.4
		Kengal Kanva									
Chainage 2060 to 3410 m LHS											
		2060	2090	Cum	1	30.0	3.3	3.8	3.6	0.20	21.3
		2090	2120	Cum	1	30.0	3.8	4.5	4.2	0.20	24.9
		2120	2150	Cum	1	30.0	4.5	4.5	4.5	0.20	27.0
		2150	2180	Cum	1	30.0	4.5	4.5	4.5	0.20	27.0
		2180	2210	Cum	1	30.0	4.5	4.5	4.5	0.20	27.0
		2210	2240	Cum	1	30.0	4.5	4.5	4.5	0.20	27.0
		2240	2270	Cum	1	30.0	4.5	4.5	4.5	0.20	27.0
		2270	2300	Cum	1	30.0	4.5	4.5	4.5	0.20	27.0
		2300	2330	Cum	1	30.0	4.5	4.5	4.5	0.20	27.0
		2330	2360	Cum	1	30.0	4.5	4.5	4.5	0.20	27.0
		2360	2390	Cum	1	30.0	4.5	4.5	4.5	0.20	27.0
		2390	2420	Cum	1	30.0	4.5	5.0	4.8	0.20	28.5
		2420	2450	Cum	1	30.0	5.0	4.1	4.6	0.20	27.3
		2450	2480	Cum	1	30.0	4.1	5.2	4.7	0.20	27.9
		2480	2510	Cum	1	30.0	5.2	5.0	5.1	0.20	30.6
		2510	2540	Cum	1	30.0	5.0	4.3	4.7	0.20	27.9
		2540	2570	Cum	1	30.0	4.3	5.5	4.9	0.20	29.4
		2570	2600	Cum	1	30.0	5.5	6.0	5.8	0.20	34.5
		2600	2630	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2630	2660	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2660	2690	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2690	2720	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2720	2750	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2750	2780	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2780	2810	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2810	2840	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2840	2870	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2870	2900	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2900	2930	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
	Kengal junction	2930	2960	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2960	2990	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		2990	3020	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		3020	3050	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
		3050	3080	Cum	1	30.0	6.0	3.8	4.9	0.20	29.4
		3080	3110	Cum	1	30.0	3.8	3.3	3.6	0.20	21.3
		3110	3115	Cum	1	5.0	3.3	3.3	3.3	0.20	3.3
	Culvert	3115	3124	Cum						0.20	0.0
		3124	3140	Cum	1	16.0	2.0	2.0	2.0	0.20	6.4
		3140	3170	Cum	1	30.0	2.0	4.1	3.1	0.20	18.3
		3170	3200	Cum	1	30.0	4.1	6.0	5.1	0.20	30.3
		3200	3230	Cum	1	30.0	6.0	4.5	5.3	0.20	31.5

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Contractor  
Director

Section Engineer

Asst Executive Engineer





		3340	3370	Cum	1	30.0	2.6	1.4	2.0	0.20	12.0
		3370	3400	Cum	1	30.0	1.4	1.4	1.4	0.20	8.4
		3400	3430	Cum	1	30.0	1.4	1.1	1.3	0.20	7.5
		3430	3460	Cum	1	30.0	1.1	0.7	0.9	0.20	5.4
		Bell mouth @ 2915		Cum	1	20.0	25.0	15.0	20.0	0.20	80.0
		<b>Kuvempu college</b>									
		<b>Chainage 3700 to 4330 m LHS</b>									
		3700	3730	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		3730	3760	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		3760	3790	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		3790	3820	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		3820	3850	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		3850	3880	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		3880	3910	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
	KUVEMPU COLLEGE JUNCTION	3910	3940	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		3940	3970	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		3970	4000	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		4000	4030	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		4030	4060	Cum	1	30.0	5.0	3.0	4.0	0.20	24.0
		4060	4090	Cum	1	30.0	3.0	3.0	3.0	0.20	18.0
		4090	4120	Cum	1	30.0	3.0	3.0	3.0	0.20	18.0
		4120	4150	Cum	1	30.0	3.0	3.0	3.0	0.20	18.0
		4150	4180	Cum	1	30.0	3.0	3.0	3.0	0.20	18.0
		4180	4210	Cum	1	30.0	3.0	3.0	3.0	0.20	18.0
		4210	4240	Cum	1	30.0	3.0	3.0	3.0	0.20	18.0
		4240	4270	Cum	1	30.0	3.0	3.0	3.0	0.20	18.0
		4270	4300	Cum	1	30.0	3.0	3.0	3.0	0.20	18.0
		4300	4330	Cum	1	30.0	3.0	3.0	3.0	0.20	18.0
		<b>Chainage 3690 to 4320 m RHS</b>									
		3690	3720	Cum	1	30.0	1.9	2.2	2.1	0.20	12.3
		3720	3750	Cum	1	30.0	2.2	2.4	2.3	0.20	13.8
		3750	3780	Cum	1	30.0	2.4	2.4	2.4	0.20	14.4
		3780	3810	Cum	1	30.0	2.4	3.2	2.8	0.20	16.8
		3810	3840	Cum	1	30.0	3.2	3.0	3.1	0.20	18.6
		3840	3870	Cum	1	30.0	3.0	2.3	2.7	0.20	15.9
		3870	3900	Cum	1	30.0	2.3	3.0	2.7	0.20	15.9
		3900	3930	Cum	1	30.0	3.0	4.0	3.5	0.20	21.0
	KUVEMPU COLLEGE JUNCTION	3930	3960	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		3960	3990	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		3990	4020	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		4020	4050	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		4050	4080	Cum	1	30.0	4.0	5.0	4.5	0.20	27.0
		4080	4110	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0

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Director

Section Engineer

Asst. Executive Engineer



		4725	4755	Cum	1	30.0	6.0	6.0	6.0	0.20	36.0
	PTC	4755 - 4900									
		4900	4930	Cum	1	30.0	4.6	4.6	4.6	0.20	27.6
		4930	4960	Cum	1	30.0	4.6	4.6	4.6	0.20	27.6
		4960	4990	Cum	1	30.0	4.6	5.0	4.8	0.20	28.8
		4990	5020	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5020	5050	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5050	5080	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5080	5110	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5110	5140	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5140	5170	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5170	5200	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		<b>Yarabanagara cross</b>									
		<b>Chainage 5230 to 5980 m LHS</b>									
		5230	5260	Cum	1	30.0	4.0	5.0	4.5	0.20	27.0
		5260	5290	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5290	5320	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5320	5350	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5350	5380	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5380	5410	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5410	5440	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5440	5470	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5470	5500	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5500	5530	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5530	5560	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5560	5590	Cum	1	30.0	5.0	4.6	4.8	0.20	28.8
		5590	5620	Cum	1	30.0	4.6	3.6	4.1	0.20	24.6
		5620	5650	Cum	1	30.0	3.6	3.6	3.6	0.20	21.6
		5650	5680	Cum	1	30.0	3.6	5.0	4.3	0.20	25.8
		5680	5710	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5710	5740	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5740	5770	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5770	5800	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5800	5830	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5830	5860	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5860	5890	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5890	5920	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5920	5950	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5950	5980	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		<b>Chainage 5225 to 6005 m RHS</b>									
		5225	5255	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5255	5285	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5285	5315	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5315	5345	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5345	5375	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5375	5405	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5405	5435	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5435	5465	Cum	1	30.0	5.0	5.0	5.0	0.20	30.0
		5465	5495	Cum	1	30.0	5.0	4.0	4.5	0.20	27.0
		5495	5525	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5525	5555	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5555	5585	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0

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		5585	5615	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5615	5645	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5645	5675	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5675	5705	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5705	5735	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5735	5765	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5765	5795	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5795	5825	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5825	5855	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5855	5885	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5885	5915	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5915	5945	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5945	5975	Cum	1	30.0	4.0	4.0	4.0	0.20	24.0
		5975	6005	Cum	1	30.0	4.0	3.3	3.7	0.20	21.9
										<b>Total</b>	<b>13540.57</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>13540.57</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on : -

9 KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2)/2	Depth (m)	Quantity	
<b>APMC Junction</b>											
<b>Chainage 0 to 457 m LHS</b>											
	0	30	Cum	1	30.0	9.7	11.0	10.4	0.25	77.6	
	30	60	Cum	1	30.0	11.0	11.0	11.0	0.25	82.5	
	60	90	Cum	1	30.0	11.0	10.4	10.7	0.25	80.3	
	90	120	Cum	1	30.0	10.4	9.8	10.1	0.25	75.8	
	120	150	Cum	1	30.0	9.8	10.4	10.1	0.25	75.8	
	150	180	Cum	1	30.0	10.4	13.6	12.0	0.25	90.0	
	180	210	Cum	1	30.0	13.6	11.0	12.3	0.25	92.3	
	210	240	Cum	1	30.0	11.0	11.0	11.0	0.25	82.5	
	240	270	Cum	1	30.0	11.0	12.3	11.7	0.25	87.4	
	270	300	Cum	1	30.0	12.3	9.8	11.1	0.25	82.9	
	300	330	Cum	1	30.0	9.8	9.0	9.4	0.25	70.5	
	330	360	Cum	1	30.0	9.0	9.8	9.4	0.25	70.5	
	360	390	Cum	1	30.0	9.8	9.6	9.7	0.25	72.8	
	390	420	Cum	1	30.0	9.6	11.6	10.6	0.25	79.5	
	420	450	Cum	1	30.0	11.6	10.6	11.1	0.25	83.3	
	450	457	Cum	1	7.0	10.6	10.3	10.5	0.25	18.3	
	<b>Bell mouth</b>	0	25	Cum	1	25.0	9.7	7.0	8.4	0.25	52.2
		25	38	Cum	1	13.0	7.0	7.0	7.0	0.25	22.8
	1			Cum	1	17.0	6.0	6.0	6.0	0.25	25.5
	2			Cum	1	13.0	7.0	7.0	7.0	0.25	22.8
	3			Cum	1	13.0	7.0	7.0	7.0	0.25	22.8

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Director

Section Engineer

Asst Executive Engineer

APMC JUNCTION TO AMBEDKAR											
RHAVAN											
Laying of new cobble stone											
LHS	0	15	Sqm	1	15.0	3.8	5.0	4.4	0.20	13.2	
	15	30	Sqm	1	15.0	5.0	3.0	4.0	0.20	12.0	
	30	45	Sqm	1	15.0	3.0	3.9	3.5	0.20	10.4	
	45	60	Sqm	1	15.0	3.9	3.7	3.8	0.20	11.4	
	60	75	Sqm	1	15.0	3.7	3.5	3.6	0.20	10.8	
	75	90	Sqm	1	15.0	3.5	3.7	3.6	0.20	10.8	
	90	105	Sqm	1	15.0	3.7	3.7	3.7	0.20	11.1	
	105	120	Sqm	1	15.0	3.7	3.7	3.7	0.20	11.1	
	120	135	Sqm	1	15.0	3.7	3.6	3.7	0.20	11.0	
	135	150	Sqm	1	15.0	3.6	3.7	3.7	0.20	11.0	
	150	165	Sqm	1	15.0	3.7	3.8	3.8	0.20	11.3	
	165	180	Sqm	1	15.0	3.8	3.7	3.8	0.20	11.3	
LHS	0	15	Sqm	1	15.0	3.3	3.6	3.5	0.20	10.4	
	15	30	Sqm	1	15.0	3.6	4.0	3.8	0.20	11.4	
	30	45	Sqm	1	15.0	4.0	4.3	4.2	0.20	12.5	
	45	60	Sqm	1	15.0	4.3	4.6	4.5	0.20	13.4	
	60	65	Sqm	1	5.0	4.6	4.6	4.6	0.20	4.6	
LHS	0	15	Sqm	1	15.0	3.3	7.0	5.2	0.20	15.5	
	15	21	Sqm	1	6.0	7.0	6.8	6.9	0.20	8.3	
LHS	0	8.5	Sqm	1	8.5	8.0	8.1	8.1	0.20	13.7	
LHS	0	15	Sqm	1	15.0	2.0	2.0	2.0	0.20	6.0	
	15	30	Sqm	1	15.0	2.0	2.3	2.2	0.20	6.5	
	30	45	Sqm	1	15.0	2.3	2.1	2.2	0.20	6.6	
	45	60	Sqm	1	15.0	2.1	1.9	2.0	0.20	6.0	
	60	75	Sqm	1	15.0	1.9	1.8	1.9	0.20	5.6	
	75	90	Sqm	1	15.0	1.8	4.9	3.4	0.20	10.1	
	90	105	Sqm	1	15.0	4.9	3.7	4.3	0.20	12.9	
	105	111	Sqm	1	6.0	3.7	1.6	2.6	0.20	3.2	
LHS	0	15	Sqm	1	15.0	2.3	2.6	2.5	0.20	7.4	
	15	19.5	Sqm	1	4.5	2.6	2.4	2.5	0.20	2.3	
RHS	0	15	Sqm	1	15.0	8.0	6.1	7.1	0.20	21.2	
	15	30	Sqm	1	15.0	6.1	6.1	6.1	0.20	18.3	
	30	42	Sqm	1	12.0	6.1	4.3	5.2	0.20	12.5	
RHS	0	4	Sqm	1	4.0	1.1	1.1	1.1	0.20	0.9	
RHS	0	15	Sqm	1	15.0	4.0	4.1	4.1	0.20	12.2	
	15	25	Sqm	1	10.0	4.1	3.7	3.9	0.20	7.8	
RHS	0	15	Sqm	1	15.0	2.4	3.6	3.0	0.20	9.0	
	15	30	Sqm	1	15.0	3.6	2.5	3.1	0.20	9.2	
	30	45	Sqm	1	15.0	2.5	3.3	2.9	0.20	8.7	
	45	60	Sqm	1	15.0	3.3	3.0	3.2	0.20	9.5	
	60	75	Sqm	1	15.0	3.0	4.0	3.5	0.20	10.5	
	75	90	Sqm	1	15.0	4.0	2.3	3.2	0.20	9.5	
RHS	0	15	Sqm	1	15.0	2.2	2.8	2.5	0.20	7.5	
	15	30	Sqm	1	15.0	2.8	2.8	2.8	0.20	8.4	
	30	45	Sqm	1	15.0	2.8	2.8	2.8	0.20	8.4	
	45	60	Sqm	1	15.0	2.8	2.9	2.9	0.20	8.6	
	60	75	Sqm	2	15.0	2.9	2.8	2.9	0.20	17.1	
RHS	0	15	Sqm	1	15.0	3.0	3.0	3.0	0.20	9.0	
	15	30	Sqm	1	15.0	3.0	3.1	3.1	0.20	9.2	
	30	45	Sqm	1	15.0	3.1	3.3	3.2	0.20	9.6	
	45	60	Sqm	1	15.0	3.3	3.2	3.3	0.20	9.8	
	60	75	Sqm	1	15.0	3.2	3.2	3.2	0.20	9.6	
	75	90	Sqm	1	15.0	3.2	3.1	3.2	0.20	9.5	
	90	92	Sqm	1	2.0	3.1	3.7	3.4	0.20	1.4	
RHS	0	15	Sqm	1	15.0	3.2	2.8	3.0	0.20	9.0	
	15	30	Sqm	1	15.0	2.8	2.2	2.5	0.20	7.5	

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		30	45	Sqm	1	15.0	2.2	2.2	2.2	0.20	6.6	
		45	60	Sqm	1	15.0	2.2	1.7	2.0	0.20	5.9	
		60	75	Sqm	1	15.0	1.7	1.8	1.8	0.20	5.3	
		75	82	Sqm	1	7.0	1.8	1.8	1.8	0.20	2.5	
		BM road shoulder towards Kengal temple										
		0	15	Sqm	1	15.0	3.3	6.0	4.7	0.20	14.0	
		15	30	Sqm	1	15.0	6.0	8.3	7.2	0.20	21.5	
		30	45	Sqm	1	15.0	8.3	9.2	8.8	0.20	26.3	
		45	60	Sqm	1	15.0	9.2	9.2	9.2	0.20	27.6	
		60	75	Sqm	1	15.0	9.2	9.3	9.3	0.20	27.8	
		75	90	Sqm	1	15.0	9.3	9.6	9.5	0.20	28.4	
		90	105	Sqm	1	15.0	9.6	9.5	9.6	0.20	28.7	
		105	120	Sqm	1	15.0	9.5	9.5	9.5	0.20	28.5	
		120	135	Sqm	1	15.0	9.5	9.0	9.3	0.20	27.8	
		135	150	Sqm	1	15.0	9.0	5.5	7.3	0.20	21.8	
		0	15	Sqm	1	15.0	7.5	9.0	8.3	0.20	24.8	
		15	30	Sqm	1	15.0	9.0	8.7	8.9	0.20	26.6	
		30	45	Sqm	1	15.0	8.7	8.5	8.6	0.20	25.8	
		45	60	Sqm	1	15.0	8.5	9.0	8.8	0.20	26.3	
		<b>Kanakapura cross</b>										
		Ch 300 - 325		Cum	2	25.0	1.6	0.9	1.3	0.25	15.6	
		Ch 360 - 386		Cum	2	26.0	1.0	1.1	1.0	0.25	13.0	
		<b>APPROCH ROAD TOWARDS CHANMANAHALLI</b>				1	22.0	8.5	1.0	4.8	0.25	26.1
		<b>Janapadaloka towards bangalore</b>										
		<b>Chainage 0 to 700 m LHS</b>										
		0	30	Cum	1	30.0	4.1	3.2	3.7	0.25	27.4	
		30	60	Cum	1	30.0	3.2	3.1	3.2	0.25	23.6	
		60	90	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		90	120	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		120	150	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		150	180	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		180	210	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		210	240	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		240	270	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		270	300	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		300	330	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		330	360	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		360	390	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		390	420	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		420	450	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		450	480	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		480	510	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		510	520	Cum	1	10.0	3.1	2.2	2.7	0.25	6.6	
		520	526	Cum	1	6.0	0.0	0.0	0.0	0.00	0.0	
		526	540	Cum	1	14.0	2.6	3.1	2.9	0.25	10.0	
		540	570	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		570	600	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	
		600	630	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3	

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Contractor  
**Director**

Section Engineer

Asst Executive Engineer

		630	660	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3
		660	690	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3
		690	700	Cum	1	10.0	3.1	3.1	3.1	0.25	7.8
		<b>Chainage 0 to 744 m RHS</b>									
		190	210	Cum	1	20.0	2.1	2.9	2.5	0.25	12.5
		210	240	Cum	1	30.0	2.9	3.1	3.0	0.25	22.5
		240	270	Cum	1	30.0	3.1	4.0	3.6	0.25	26.6
		270	300	Cum	1	30.0	4.0	3.7	3.9	0.25	28.9
		300	330	Cum	1	30.0	3.7	3.7	3.7	0.25	27.8
		330	360	Cum	1	30.0	3.7	3.8	3.8	0.25	28.1
		360	390	Cum	1	30.0	3.8	3.8	3.8	0.25	28.5
		390	420	Cum	1	30.0	3.8	3.7	3.8	0.25	28.1
		420	450	Cum	1	30.0	3.7	3.7	3.7	0.25	27.8
		450	480	Cum	1	30.0	3.7	4.0	3.9	0.25	28.9
		480	510	Cum	1	30.0	4.0	3.7	3.9	0.25	28.9
		510	520	Cum	1	10.0	3.7	2.3	3.0	0.25	7.5
		520	526	Cum	1	6.0	0.0	0.0	0.0	0.00	0.0
		526	540	Cum	1	14.0	2.3	3.5	2.9	0.25	10.2
		540	570	Cum	1	30.0	3.5	3.3	3.4	0.25	25.5
		570	600	Cum	1	30.0	3.3	3.2	3.3	0.25	24.4
		600	630	Cum	1	30.0	3.2	3.5	3.4	0.25	25.1
		630	660	Cum	1	30.0	3.5	3.3	3.4	0.25	25.5
		660	690	Cum	1	30.0	3.3	3.3	3.3	0.25	24.8
		690	720	Cum	1	30.0	3.3	3.4	3.4	0.25	25.1
		720	744	Cum	1	24.0	3.4	3.4	3.4	0.25	20.4
		<b>Janapadaloka towards bangalore</b>									
		<b>Chainage 102 to 240 m RHS</b>									
		102	120	Cum	1	18.0	4.0	4.0	4.0	0.25	18.0
		120	150	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		150	180	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		180	210	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		210	240	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		<b>Janapada Loka</b>									
		<b>Chainage 0 to 660 m LHS</b>									
		0	30	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		30	60	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		60	90	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		90	120	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		120	150	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		150	180	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		180	210	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		210	240	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		240	270	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		270	300	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		300	330	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		330	360	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		360	390	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		390	420	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		420	450	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		450	480	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5

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Director

Section Engineer

Asst Executive Engineer

		480	510	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		510	540	Cum	1	30.0	5.0	3.0	4.0	0.25	30.0	
		540	570	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5	
		570	600	Cum	1	30.0	3.0	4.0	3.5	0.25	26.3	
		600	630	Cum	1	30.0	4.0	4.1	4.1	0.25	30.4	
		630	660	Cum	1	30.0	4.1	4.1	4.1	0.25	30.8	
		<b>Chainage 0 to 660 m RHS</b>										
		0	30	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		30	60	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		60	90	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		90	102	Cum	1	12.0	5.0	2.2	3.6	0.25	10.8	
		102	120	Cum	1	18.0	2.2	2.1	2.2	0.25	9.7	
		120	150	Cum	1	30.0	2.1	2.0	2.1	0.25	15.4	
		150	180	Cum	1	30.0	2.0	2.1	2.1	0.25	15.4	
		180	210	Cum	1	30.0	2.1	2.0	2.1	0.25	15.4	
		210	240	Cum	1	30.0	2.0	4.0	3.0	0.25	22.5	
		240	270	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0	
		270	300	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0	
		300	330	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0	
		330	360	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0	
		360	390	Cum	1	30.0	4.0	5.0	4.5	0.25	33.8	
		390	420	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		420	450	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		450	480	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		480	510	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		510	540	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		540	570	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		570	600	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		600	630	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		630	660	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		<b>B G S school road</b>										
		0	30	Cum	2	30.0	4.0	4.0	4.0	0.25	60.0	
		30	60	Cum	2	30.0	4.0	4.0	4.0	0.25	60.0	
		<b>Government Polytechnic</b>										
		Bell mouth				1	9	20.3	4.7	12.5	0.25	20.4
		<b>Forest office</b>										
		<b>Chainage 0 to 107 m</b>										
		0	30	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		30	60	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		60	90	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		90	107	Cum	1	17.0	5.0	5.0	5.0	0.25	21.3	
		Bell mouth				1	4	4.6	6	5.3	0.25	5.3
		<b>Govt. Engineering College</b>										
		<b>Chainage 660 to 990 m LHS</b>										
		660	690	Cum	1	30.0	4.1	5.0	4.6	0.25	34.1	
		690	720	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		720	750	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		750	780	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		780	810	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	
		810	840	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5	

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Contractor  
Director

Section Engineer

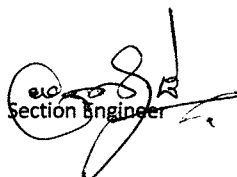
Asst. Executive Engineer



		840	870	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		870	900	Cum	1	30.0	5.0	4.5	4.8	0.25	35.6
		900	930	Cum	1	30.0	4.5	5.0	4.8	0.25	35.6
		930	960	Cum	1	30.0	5.0	4.0	4.5	0.25	33.8
		960	990	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		990	1020	Cum	1	30.0	4.0	3.5	3.8	0.25	28.1
		1020	1050	Cum	1	30.0	3.5	3.5	3.5	0.25	26.3
		1050	1080	Cum	1	30.0	3.5	3.5	3.5	0.25	26.3
<b>Chainage 660 to 990 m RHS</b>											
		660	690	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		690	720	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		720	750	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		750	780	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		780	810	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		810	840	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		840	870	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		870	900	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		900	930	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		930	960	Cum	1	30.0	5.0	4.5	4.8	0.25	35.6
		960	990	Cum	1	30.0	4.5	4.2	4.4	0.25	32.6
		990	1020	Cum	1	30.0	4.2	4.0	4.1	0.25	30.8
		1020	1050	Cum	1	30.0	4.0	3.0	3.5	0.25	26.3
		1050	1060	Cum	1	10.0	3.0	4.0	3.5	0.25	8.8
<b>Bell mouth</b>					1	22	28	19	23.5	0.25	129.3
<b>Manshetahalli</b>											
<b>Chainage 1080 to 2060 m LHS</b>											
		1080	1110	Cum	1	30.0	3.5	5.0	4.3	0.25	31.9
		1110	1140	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1140	1170	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1170	1200	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1200	1230	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1230	1260	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1260	1290	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1290	1320	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1320	1350	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1350	1380	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1380	1410	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1410	1440	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1440	1470	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1470	1500	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1500	1530	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1530	1560	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1560	1590	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1590	1620	Cum	1	30.0	5.0	3.3	4.2	0.25	31.1
		1620	1650	Cum	1	30.0	3.3	3.1	3.2	0.25	24.0
		1650	1680	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3
		1680	1710	Cum	1	30.0	3.1	3.2	3.2	0.25	23.6
		1710	1740	Cum	1	30.0	3.2	3.1	3.2	0.25	23.6
		1740	1770	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3
		1770	1800	Cum	1	30.0	3.1	3.2	3.2	0.25	23.6
		1800	1830	Cum	1	30.0	3.2	3.1	3.2	0.25	23.6

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Contractor  
**Director**

  
Section Engineer

  
Asst Executive Engineer

		1830	1860	Cum	1	30.0	3.1	3.2	3.2	0.25	23.6
		1860	1890	Cum	1	30.0	3.2	3.1	3.2	0.25	23.6
		1890	1920	Cum	1	30.0	3.1	3.1	3.1	0.25	23.3
		1920	1950	Cum	1	30.0	3.1	3.2	3.2	0.25	23.6
		1950	1980	Cum	1	30.0	3.2	3.3	3.3	0.25	24.4
		1980	2010	Cum	1	30.0	3.3	3.2	3.3	0.25	24.4
		2010	2040	Cum	1	30.0	3.2	3.2	3.2	0.25	24.0
		2040	2060	Cum	1	20.0	3.2	3.3	3.3	0.25	16.3
<b>Chainage 1060 to 2045 m RHS</b>											
		1060	1085	Cum	1	25.0	4.0	5.0	4.5	0.25	28.1
		1085	1115	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1115	1145	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1145	1175	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1175	1205	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1205	1235	Cum	1	30.0	5.0	4.5	4.8	0.25	35.6
		1235	1265	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8
		1265	1295	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8
		1295	1325	Cum	1	30.0	4.5	5.0	4.8	0.25	35.6
		1325	1355	Cum	1	30.0	5.0	5.2	5.1	0.25	38.3
		1355	1385	Cum	1	30.0	5.2	5.2	5.2	0.25	39.0
		1385	1415	Cum	1	30.0	5.2	5.3	5.3	0.25	39.4
		1415	1445	Cum	1	30.0	5.3	5.2	5.3	0.25	39.4
		1445	1475	Cum	1	30.0	5.2	5.5	5.4	0.25	40.1
		1475	1505	Cum	1	30.0	5.5	5.6	5.6	0.25	41.6
		1505	1535	Cum	1	30.0	5.6	5.6	5.6	0.25	42.0
		1535	1565	Cum	1	30.0	5.6	5.8	5.7	0.25	42.8
		1565	1595	Cum	1	30.0	5.8	5.6	5.7	0.25	42.8
		1595	1625	Cum	1	30.0	5.6	5.2	5.4	0.25	40.5
		1625	1655	Cum	1	30.0	5.2	5.5	5.4	0.25	40.1
		1655	1685	Cum	1	30.0	5.5	5.5	5.5	0.25	41.3
		1685	1715	Cum	1	30.0	5.5	5.5	5.5	0.25	41.3
		1715	1745	Cum	1	30.0	5.5	5.5	5.5	0.25	41.3
		1745	1775	Cum	1	30.0	5.5	5.5	5.5	0.25	41.3
		1775	1805	Cum	1	30.0	5.5	5.5	5.5	0.25	41.3
		1805	1835	Cum	1	30.0	5.5	5.5	5.5	0.25	41.3
		1835	1865	Cum	1	30.0	5.5	6.0	5.8	0.25	43.1
		1865	1895	Cum	1	30.0	6.0	5.0	5.5	0.25	41.3
		1895	1925	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1925	1955	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1955	1985	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		1985	2015	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		2015	2045	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
<b>Forest office</b>											
<b>Chainage 0 to 95 m</b>											
		0	30	Cum	1	30.0	8.5	5.8	7.2	0.25	30.0
		30	60	Cum	1	30.0	5.8	5.8	5.8	0.25	43.5
		60	90	Cum	1	30.0	5.8	5.8	5.8	0.25	43.5
		90	95	Cum	1	5.0	5.8	5.8	5.8	0.25	7.3

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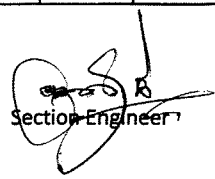
Section Engineer

Asst Executive Engineer

<b>Kanva cross road</b>											
<b>Chainage 0 to 350 m RHS</b>											
	0	30	Cum	1	30.0	13.1	11.8	12.4	0.25	93.2	
	30	40	Cum	1	10.0	11.8	11.3	11.5	0.25	28.8	
	40	60	Cum	1	20.0	11.3	8.7	10.0	0.25	50.0	
	60	90	Cum	1	30.0	8.7	8.5	8.6	0.25	64.5	
	90	120	Cum	1	30.0	8.5	8.3	8.4	0.25	63.0	
	120	150	Cum	1	30.0	8.3	8.0	8.2	0.25	61.1	
	150	180	Cum	1	30.0	8.0	8.1	8.1	0.25	60.4	
	180	210	Cum	1	30.0	8.1	8.2	8.2	0.25	61.1	
	210	240	Cum	1	30.0	8.2	7.5	7.9	0.25	58.9	
	240	270	Cum	1	30.0	7.5	8.5	8.0	0.25	60.0	
	270	300	Cum	1	30.0	8.5	7.5	8.0	0.25	60.0	
	300	330	Cum	1	30.0	7.5	7.5	7.5	0.25	56.3	
	330	338	Cum	1	8.0	7.5	7.5	7.5	0.25	15.0	
<b>Chainage 0 to 187 m RHS</b>											
	0	30	Cum	1	30.0	14.6	6.1	10.4	0.25	77.6	
	30	60	Cum	1	30.0	6.1	5.8	6.0	0.25	44.6	
	60	90	Cum	1	30.0	5.8	5.8	5.8	0.25	43.5	
	90	120	Cum	1	30.0	5.8	5.8	5.8	0.25	43.5	
	120	150	Cum	1	30.0	5.8	5.8	5.8	0.25	43.5	
	150	180	Cum	1	30.0	5.8	8.0	6.9	0.25	51.8	
	180	187	Cum	1	7.0	8.0	8.0	8.0	0.25	14.0	
<b>Bell mouth</b>					1	5	5.7	3	4.4	0.25	5.4
<b>Kengal Kanva</b>											
<b>Chainage 2060 to 3410 m LHS</b>											
	2060	2090	Cum	1	30.0	3.3	3.8	3.6	0.25	26.6	
	2090	2120	Cum	1	30.0	3.8	4.5	4.2	0.25	31.1	
	2120	2150	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8	
	2150	2180	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8	
	2180	2210	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8	
	2210	2240	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8	
	2240	2270	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8	
	2270	2300	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8	
	2300	2330	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8	
	2330	2360	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8	
	2360	2390	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8	
	2390	2420	Cum	1	30.0	4.5	5.0	4.8	0.25	35.6	
	2420	2450	Cum	1	30.0	5.0	4.1	4.6	0.25	34.1	
	2450	2480	Cum	1	30.0	4.1	5.2	4.7	0.25	34.9	
	2480	2510	Cum	1	30.0	5.2	5.0	5.1	0.25	38.3	
	2510	2540	Cum	1	30.0	5.0	4.3	4.7	0.25	34.9	
	2540	2570	Cum	1	30.0	4.3	5.5	4.9	0.25	36.8	
	2570	2600	Cum	1	30.0	5.5	6.0	5.8	0.25	43.1	
	2600	2630	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0	
	2630	2660	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0	
	2660	2690	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0	
	2690	2720	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0	
	2720	2750	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0	
	2750	2780	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0	
	2780	2810	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0	
	2810	2840	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0	
	2840	2870	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0	

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		2870	2900	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2900	2930	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
	Kengal junction	2930	2960	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2960	2990	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2990	3020	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		3020	3050	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		3050	3080	Cum	1	30.0	6.0	3.8	4.9	0.25	36.8
		3080	3110	Cum	1	30.0	3.8	3.3	3.6	0.25	26.6
		3110	3115	Cum	1	5.0	3.3	3.3	3.3	0.25	4.1
	Culvert	3115	3124	Cum						0.25	0.0
		3124	3140	Cum	1	16.0	2.0	2.0	2.0	0.25	8.0
		3140	3170	Cum	1	30.0	2.0	4.1	3.1	0.25	22.9
		3170	3200	Cum	1	30.0	4.1	6.0	5.1	0.25	37.9
		3200	3230	Cum	1	30.0	6.0	4.5	5.3	0.25	39.4
		3230	3260	Cum	1	30.0	4.5	3.8	4.2	0.25	31.1
		3260	3290	Cum	1	30.0	3.8	2.1	3.0	0.25	22.1
		3290	3320	Cum	1	30.0	2.1	1.6	1.9	0.25	13.9
		3320	3350	Cum	1	30.0	1.6	1.1	1.4	0.25	10.1
		3350	3380	Cum	1	30.0	1.1	1.3	1.2	0.25	9.0
		3380	3410	Cum	1	30.0	1.3	0.8	1.1	0.25	7.9
	<b>Chainage 2045 to 3460 m RHS</b>										
		2045	2075	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		2075	2105	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		2105	2135	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		2135	2165	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		2165	2195	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		2195	2225	Cum	1	30.0	5.0	3.0	4.0	0.25	30.0
		2225	2255	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		2255	2285	Cum	1	30.0	3.0	4.0	3.5	0.25	26.3
		2285	2315	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		2315	2345	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		2345	2375	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		2375	2405	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		2405	2435	Cum	1	30.0	4.0	6.0	5.0	0.25	37.5
		2435	2465	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2465	2495	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2495	2525	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2525	2555	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2555	2585	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2585	2615	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2615	2645	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2645	2675	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2675	2705	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2705	2735	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2735	2765	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2765	2795	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2795	2825	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2825	2855	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2855	2885	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2885	2915	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
	Bell mouth	2915	2940	Cum						0.25	0.0

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	Kengal junction	2940	2970	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		2970	3000	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		3000	3030	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		3030	3060	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		3060	3090	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		3090	3120	Cum	1	30.0	6.0	6.0	6.0	0.25	45.0
		3120	3150	Cum	1	30.0	6.0	3.8	4.9	0.25	36.8
		3150	3180	Cum	1	30.0	3.8	2.0	2.9	0.25	21.8
		3180	3190	Cum	1	10.0	2.0	4.0	3.0	0.25	7.5
		3190	3220	Cum	1	30.0	4.0	4.5	4.3	0.25	31.9
		3220	3250	Cum	1	30.0	4.5	4.5	4.5	0.25	33.8
		3250	3280	Cum	1	30.0	4.5	2.3	3.4	0.25	25.5
		3280	3310	Cum	1	30.0	2.3	2.5	2.4	0.25	18.0
		3310	3340	Cum	1	30.0	2.5	2.6	2.6	0.25	19.1
		3340	3370	Cum	1	30.0	2.6	1.4	2.0	0.25	15.0
		3370	3400	Cum	1	30.0	1.4	1.4	1.4	0.25	10.5
		3400	3430	Cum	1	30.0	1.4	1.1	1.3	0.25	9.4
		3430	3460	Cum	1	30.0	1.1	0.7	0.9	0.25	6.8
	Bell mouth @ 2915			Cum	1	20.0	25.0	15.0	20.0	0.25	100.0
	<b>Kuvempu college</b>										
	<b>Chainage 3700 to 4330 m LHS</b>										
		3700	3730	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		3730	3760	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		3760	3790	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		3790	3820	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		3820	3850	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		3850	3880	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		3880	3910	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
	KUVEMPU COLLEGE JUNCTION	3910	3940	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		3940	3970	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		3970	4000	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		4000	4030	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		4030	4060	Cum	1	30.0	5.0	3.0	4.0	0.25	30.0
		4060	4090	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4090	4120	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4120	4150	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4150	4180	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4180	4210	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4210	4240	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4240	4270	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4270	4300	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4300	4330	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
	<b>Chainage 3690 to 4320 m RHS</b>										
		3690	3720	Cum	1	30.0	1.9	2.2	2.1	0.25	15.4
		3720	3750	Cum	1	30.0	2.2	2.4	2.3	0.25	17.3
		3750	3780	Cum	1	30.0	2.4	2.4	2.4	0.25	18.0

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		3780	3810	Cum	1	30.0	2.4	3.2	2.8	0.25	21.0
		3810	3840	Cum	1	30.0	3.2	3.0	3.1	0.25	23.3
		3840	3870	Cum	1	30.0	3.0	2.3	2.7	0.25	19.9
		3870	3900	Cum	1	30.0	2.3	3.0	2.7	0.25	19.9
		3900	3930	Cum	1	30.0	3.0	4.0	3.5	0.25	26.3
	KUVEMPU COLLEGE JUNCTION	3930	3960	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		3960	3990	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		3990	4020	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4020	4050	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		4050	4080	Cum	1	30.0	4.0	5.0	4.5	0.25	33.8
		4080	4110	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		4110	4140	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		4140	4170	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		4170	4200	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		4200	4230	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		4230	4260	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		4260	4290	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		4290	4320	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		<b>Vandarakuppe gate</b>									
		<b>Chainage 4330 to 5230 m LHS</b>									
		4330	4360	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4360	4390	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4390	4420	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4420	4450	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
	Vandarakup pe gate	4450	4480	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4480	4510	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4510	4540	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4540	4570	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4570	4600	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4600	4630	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4630	4660	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4660	4690	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4690	4720	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4720	4750	Cum	1	30.0	3.0	3.0	3.0	0.25	22.5
		4750	4770	Cum	1	20.0	3.0	3.0	3.0	0.25	15.0
	PTC	4770 - 4930									
		4930	4960	Cum	1	30.0	3.5	3.5	3.5	0.25	26.3
		4960	4990	Cum	1	30.0	3.5	3.5	3.5	0.25	26.3
		4990	5020	Cum	1	30.0	3.5	3.5	3.5	0.25	26.3
		5020	5050	Cum	1	30.0	3.5	3.5	3.5	0.25	26.3
		5050	5080	Cum	1	30.0	3.5	3.5	3.5	0.25	26.3
		5080	5110	Cum	1	30.0	3.5	4.0	3.8	0.25	28.1
		5110	5140	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5140	5170	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5170	5200	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5200	5230	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0

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		5920	5950	Cum	1	30.0	5.0	5.0	5.0	0.25	
		5950	5980	Cum	1	30.0	5.0	5.0	5.0	0.25	
<b>Chainage 5225 to 6005 m RHS</b>											
		5225	5255	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		5255	5285	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		5285	5315	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		5315	5345	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		5345	5375	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		5375	5405	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		5405	5435	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		5435	5465	Cum	1	30.0	5.0	5.0	5.0	0.25	37.5
		5465	5495	Cum	1	30.0	5.0	4.0	4.5	0.25	33.8
		5495	5525	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5525	5555	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5555	5585	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5585	5615	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5615	5645	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5645	5675	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5675	5705	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5705	5735	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5735	5765	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5765	5795	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5795	5825	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5825	5855	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5855	5885	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5885	5915	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5915	5945	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5945	5975	Cum	1	30.0	4.0	4.0	4.0	0.25	30.0
		5975	6005	Cum	1	30.0	4.0	3.3	3.7	0.25	27.4
											<b>Total</b>
											<b>17802.32</b>
											<b>UPTO DATE BILLED QNTY</b>
											<b>17580.99</b>
											<b>BALANCE QNTY</b>
											<b>221.33</b>

Measurement recorded on : -

11	KSRRB 500-1. Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air, to receive bituminous treatment including cost of all										
		CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	$(B1+B2)/2$	Depth (m)	Quantity
<b>APMC Junction</b>											
<b>Chainage 0 to 457 m LHS</b>											
		0	30	Sqm	1	30.0	9.7	11.0	10.4		310.5
		30	60	Sqm	1	30.0	11.0	11.0	11.0		330.0
		60	90	Sqm	1	30.0	11.0	10.4	10.7		321.0
		90	120	Sqm	1	30.0	10.4	9.8	10.1		303.0
		120	150	Sqm	1	30.0	9.8	10.4	10.1		303.0
		150	180	Sqm	1	30.0	10.4	13.6	12.0		360.0
		180	210	Sqm	1	30.0	13.6	11.0	12.3		369.0
		210	240	Sqm	1	30.0	11.0	11.0	11.0		330.0
		240	270	Sqm	1	30.0	11.0	12.3	11.7		349.5

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Contractor  
Director

Section Engineer

Asst Executive Engineer



		270	300	Sqm	1	30.0	12.3	9.8	11.1		331.5
		300	330	Sqm	1	30.0	9.8	9.0	9.4		282.0
		330	360	Sqm	1	30.0	9.0	9.8	9.4		282.0
		360	390	Sqm	1	30.0	9.8	9.6	9.7		291.0
		390	420	Sqm	1	30.0	9.6	11.6	10.6		318.0
		420	450	Sqm	1	30.0	11.6	10.6	11.1		333.0
		450	457	Sqm	1	7.0	10.6	10.3	10.5		73.2
	Bell mouth	0	25	Sqm	1	25.0	9.7	7.0	8.4		208.8
		25	38	Sqm	1	13.0	7.0	7.0	7.0		91.0
	1			Sqm	1	17.0	6.0	6.0	6.0		102.0
	2			Sqm	1	13.0	7.0	7.0	7.0		91.0
	3			Sqm	1	13.0	7.0	7.0	7.0		91.0
	<b>Kanakapura cross</b>										
		Ch 300 - 325		Sqm	2	25.0	1.6	0.9	1.3		62.5
		Ch 360 - 386		Sqm	2	26.0	1.0	1.1	1.0		52.0
	<b>APPROCH ROAD TOWARDS CHANMANAHALLI</b>										
					1	22.0	8.5	1.0	4.8		104.5
	<b>Janapadaloka towards bangalore</b>										
	<b>Chainage 0 to 700 m LHS</b>										
		0	30	Sqm	1	30.0	4.1	3.2	3.7		109.5
		30	60	Sqm	1	30.0	3.2	3.1	3.2		94.5
		60	90	Sqm	1	30.0	3.1	3.1	3.1		93.0
		90	120	Sqm	1	30.0	3.1	3.1	3.1		93.0
		120	150	Sqm	1	30.0	3.1	3.1	3.1		93.0
		150	180	Sqm	1	30.0	3.1	3.1	3.1		93.0
		180	210	Sqm	1	30.0	3.1	3.1	3.1		93.0
		210	240	Sqm	1	30.0	3.1	3.1	3.1		93.0
		240	270	Sqm	1	30.0	3.1	3.1	3.1		93.0
		270	300	Sqm	1	30.0	3.1	3.1	3.1		93.0
		300	330	Sqm	1	30.0	3.1	3.1	3.1		93.0
		330	360	Sqm	1	30.0	3.1	3.1	3.1		93.0
		360	390	Sqm	1	30.0	3.1	3.1	3.1		93.0
		390	420	Sqm	1	30.0	3.1	3.1	3.1		93.0
		420	450	Sqm	1	30.0	3.1	3.1	3.1		93.0
		450	480	Sqm	1	30.0	3.1	3.1	3.1		93.0
		480	510	Sqm	1	30.0	3.1	3.1	3.1		93.0
		510	520	Sqm	1	10.0	3.1	2.2	2.7		26.5
		520	526	Sqm	1	6.0	0.0	0.0	0.0		0.0
		526	540	Sqm	1	14.0	2.6	3.1	2.9		39.9
		540	570	Sqm	1	30.0	3.1	3.1	3.1		93.0
		570	600	Sqm	1	30.0	3.1	3.1	3.1		93.0
		600	630	Sqm	1	30.0	3.1	3.1	3.1		93.0
		630	660	Sqm	1	30.0	3.1	3.1	3.1		93.0
		660	690	Sqm	1	30.0	3.1	3.1	3.1		93.0
		690	700	Sqm	1	10.0	3.1	3.1	3.1		31.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer

Chainage 0 to 744 m RHS										
		190	210	Sqm	1	20.0	2.1	2.9	2.5	50.0
		210	240	Sqm	1	30.0	2.9	3.1	3.0	90.0
		240	270	Sqm	1	30.0	3.1	4.0	3.6	106.5
		270	300	Sqm	1	30.0	4.0	3.7	3.9	115.5
		300	330	Sqm	1	30.0	3.7	3.7	3.7	111.0
		330	360	Sqm	1	30.0	3.7	3.8	3.8	112.5
		360	390	Sqm	1	30.0	3.8	3.8	3.8	114.0
		390	420	Sqm	1	30.0	3.8	3.7	3.8	112.5
		420	450	Sqm	1	30.0	3.7	3.7	3.7	111.0
		450	480	Sqm	1	30.0	3.7	4.0	3.9	115.5
		480	510	Sqm	1	30.0	4.0	3.7	3.9	115.5
		510	520	Sqm	1	10.0	3.7	2.3	3.0	30.0
		520	526	Sqm	1	6.0	0.0	0.0	0.0	0.0
		526	540	Sqm	1	14.0	2.3	3.5	2.9	40.6
		540	570	Sqm	1	30.0	3.5	3.3	3.4	102.0
		570	600	Sqm	1	30.0	3.3	3.2	3.3	97.5
		600	630	Sqm	1	30.0	3.2	3.5	3.4	100.5
		630	660	Sqm	1	30.0	3.5	3.3	3.4	102.0
		660	690	Sqm	1	30.0	3.3	3.3	3.3	99.0
		690	720	Sqm	1	30.0	3.3	3.4	3.4	100.5
		720	744	Sqm	1	24.0	3.4	3.4	3.4	81.6
Janapadaloka towards bangalore										
Chainage 102 to 240 m RHS										
		102	120	Sqm	1	18.0	4.0	4.0	4.0	72.0
		120	150	Sqm	1	30.0	4.0	4.0	4.0	120.0
		150	180	Sqm	1	30.0	4.0	4.0	4.0	120.0
		180	210	Sqm	1	30.0	4.0	4.0	4.0	120.0
		210	240	Sqm	1	30.0	4.0	4.0	4.0	120.0
Janapada Loka										
Chainage 0 to 660 m LHS										
		0	30	Sqm	1	30.0	5.0	5.0	5.0	150.0
		30	60	Sqm	1	30.0	5.0	5.0	5.0	150.0
		60	90	Sqm	1	30.0	5.0	5.0	5.0	150.0
		90	120	Sqm	1	30.0	5.0	5.0	5.0	150.0
		120	150	Sqm	1	30.0	5.0	5.0	5.0	150.0
		150	180	Sqm	1	30.0	5.0	5.0	5.0	150.0
		180	210	Sqm	1	30.0	5.0	5.0	5.0	150.0
		210	240	Sqm	1	30.0	5.0	5.0	5.0	150.0
		240	270	Sqm	1	30.0	5.0	5.0	5.0	150.0
		270	300	Sqm	1	30.0	5.0	5.0	5.0	150.0
		300	330	Sqm	1	30.0	5.0	5.0	5.0	150.0
		330	360	Sqm	1	30.0	5.0	5.0	5.0	150.0
		360	390	Sqm	1	30.0	5.0	5.0	5.0	150.0
		390	420	Sqm	1	30.0	5.0	5.0	5.0	150.0
		420	450	Sqm	1	30.0	5.0	5.0	5.0	150.0
		450	480	Sqm	1	30.0	5.0	5.0	5.0	150.0
		480	510	Sqm	1	30.0	5.0	5.0	5.0	150.0
		510	540	Sqm	1	30.0	5.0	3.0	4.0	120.0
		540	570	Sqm	1	30.0	3.0	3.0	3.0	90.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer

		570	600	Sqm	1	30.0	3.0	4.0	3.5		105.0
		600	630	Sqm	1	30.0	4.0	4.1	4.1		121.5
		630	660	Sqm	1	30.0	4.1	4.1	4.1		123.0
<b>Chainage 0 to 660 m RHS</b>											
		0	30	Sqm	1	30.0	5.0	5.0	5.0		150.0
		30	60	Sqm	1	30.0	5.0	5.0	5.0		150.0
		60	90	Sqm	1	30.0	5.0	5.0	5.0		150.0
		90	102	Sqm	1	12.0	5.0	2.2	3.6		43.2
		102	120	Sqm	1	18.0	2.2	2.1	2.2		38.7
		120	150	Sqm	1	30.0	2.1	2.0	2.1		61.5
		150	180	Sqm	1	30.0	2.0	2.1	2.1		61.5
		180	210	Sqm	1	30.0	2.1	2.0	2.1		61.5
		210	240	Sqm	1	30.0	2.0	4.0	3.0		90.0
		240	270	Sqm	1	30.0	4.0	4.0	4.0		120.0
		270	300	Sqm	1	30.0	4.0	4.0	4.0		120.0
		300	330	Sqm	1	30.0	4.0	4.0	4.0		120.0
		330	360	Sqm	1	30.0	4.0	4.0	4.0		120.0
		360	390	Sqm	1	30.0	4.0	5.0	4.5		135.0
		390	420	Sqm	1	30.0	5.0	5.0	5.0		150.0
		420	450	Sqm	1	30.0	5.0	5.0	5.0		150.0
		450	480	Sqm	1	30.0	5.0	5.0	5.0		150.0
		480	510	Sqm	1	30.0	5.0	5.0	5.0		150.0
		510	540	Sqm	1	30.0	5.0	5.0	5.0		150.0
		540	570	Sqm	1	30.0	5.0	5.0	5.0		150.0
		570	600	Sqm	1	30.0	5.0	5.0	5.0		150.0
		600	630	Sqm	1	30.0	5.0	5.0	5.0		150.0
		630	660	Sqm	1	30.0	5.0	5.0	5.0		150.0
<b>B G S school road</b>											
		0	30	Sqm	2	30.0	4.0	4.0	4.0		240.0
		30	60	Sqm	2	30.0	4.0	4.0	4.0		240.0
<b>Government Polytechnic</b>											
		Bell mouth			1	9	20.3	4.7	12.5		112.5
<b>Forest office</b>											
<b>Chainage 0 to 107 m</b>											
		0	30	Sqm	1	30.0	5.0	5.0	5.0		150.0
		30	60	Sqm	1	30.0	5.0	5.0	5.0		150.0
		60	90	Sqm	1	30.0	5.0	5.0	5.0		150.0
		90	107	Sqm	1	17.0	5.0	5.0	5.0		85.0
		Bell mouth			1	4	4.6	6	5.3		21.2
<b>Govt. Engineering College</b>											
<b>Chainage 660 to 990 m LHS</b>											
		660	690	Sqm	1	30.0	4.1	5.0	4.6		136.5
		690	720	Sqm	1	30.0	5.0	5.0	5.0		150.0
		720	750	Sqm	1	30.0	5.0	5.0	5.0		150.0
		750	780	Sqm	1	30.0	5.0	5.0	5.0		150.0
		780	810	Sqm	1	30.0	5.0	5.0	5.0		150.0
		810	840	Sqm	1	30.0	5.0	5.0	5.0		150.0
		840	870	Sqm	1	30.0	5.0	5.0	5.0		150.0
		870	900	Sqm	1	30.0	5.0	4.5	4.8		142.5
		900	930	Sqm	1	30.0	4.5	5.0	4.8		142.5

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Contractor  
Director

es  
Section Engineer

Asst Executive Engineer

	930	960	Sqm	1	30.0	5.0	4.0	4.5		135.0
	960	990	Sqm	1	30.0	4.0	4.0	4.0		120.0
	990	1020	Sqm	1	30.0	4.0	3.5	3.8		112.5
	1020	1050	Sqm	1	30.0	3.5	3.5	3.5		105.0
	1050	1080	Sqm	1	30.0	3.5	3.5	3.5		105.0
	<b>Chainage 660 to 990 m RHS</b>									
	660	690	Sqm	1	30.0	5.0	5.0	5.0		150.0
	690	720	Sqm	1	30.0	5.0	5.0	5.0		150.0
	720	750	Sqm	1	30.0	5.0	5.0	5.0		150.0
	750	780	Sqm	1	30.0	5.0	5.0	5.0		150.0
	780	810	Sqm	1	30.0	5.0	5.0	5.0		150.0
	810	840	Sqm	1	30.0	5.0	5.0	5.0		150.0
	840	870	Sqm	1	30.0	5.0	5.0	5.0		150.0
	870	900	Sqm	1	30.0	5.0	5.0	5.0		150.0
	900	930	Sqm	1	30.0	5.0	5.0	5.0		150.0
	930	960	Sqm	1	30.0	5.0	4.5	4.8		142.5
	960	990	Sqm	1	30.0	4.5	4.2	4.4		130.5
	990	1020	Sqm	1	30.0	4.2	4.0	4.1		123.0
	1020	1050	Sqm	1	30.0	4.0	3.0	3.5		105.0
	1050	1060	Sqm	1	10.0	3.0	4.0	3.5		35.0
	Bell mouth				1	22	19	28	23.5	517.0
	<b>Manshetahalli</b>									
	<b>Chainage 1080 to 2060 m LHS</b>									
	1080	1110	Sqm	1	30.0	3.5	5.0	4.3		127.5
	1110	1140	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1140	1170	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1170	1200	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1200	1230	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1230	1260	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1260	1290	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1290	1320	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1320	1350	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1350	1380	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1380	1410	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1410	1440	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1440	1470	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1470	1500	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1500	1530	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1530	1560	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1560	1590	Sqm	1	30.0	5.0	5.0	5.0		150.0
	1590	1620	Sqm	1	30.0	5.0	3.3	4.2		124.5
	1620	1650	Sqm	1	30.0	3.3	3.1	3.2		96.0
	1650	1680	Sqm	1	30.0	3.1	3.1	3.1		93.0
	1680	1710	Sqm	1	30.0	3.1	3.2	3.2		94.5
	1710	1740	Sqm	1	30.0	3.2	3.1	3.2		94.5
	1740	1770	Sqm	1	30.0	3.1	3.1	3.1		93.0
	1770	1800	Sqm	1	30.0	3.1	3.2	3.2		94.5
	1800	1830	Sqm	1	30.0	3.2	3.1	3.2		94.5
	1830	1860	Sqm	1	30.0	3.1	3.2	3.2		94.5
	1860	1890	Sqm	1	30.0	3.2	3.1	3.2		94.5
	1890	1920	Sqm	1	30.0	3.1	3.1	3.1		93.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer

		1920	1950	Sqm	1	30.0	3.1	3.2	3.2		94.5
		1950	1980	Sqm	1	30.0	3.2	3.3	3.3		97.5
		1980	2010	Sqm	1	30.0	3.3	3.2	3.3		97.5
		2010	2040	Sqm	1	30.0	3.2	3.2	3.2		96.0
		2040	2060	Sqm	1	20.0	3.2	3.3	3.3		65.0
<b>Chainage 1060 to 2045 m RHS</b>											
		1060	1085	Sqm	1	25.0	4.0	5.0	4.5		112.5
		1085	1115	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1115	1145	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1145	1175	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1175	1205	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1205	1235	Sqm	1	30.0	5.0	4.5	4.8		142.5
		1235	1265	Sqm	1	30.0	4.5	4.5	4.5		135.0
		1265	1295	Sqm	1	30.0	4.5	4.5	4.5		135.0
		1295	1325	Sqm	1	30.0	4.5	5.0	4.8		142.5
		1325	1355	Sqm	1	30.0	5.0	5.2	5.1		153.0
		1355	1385	Sqm	1	30.0	5.2	5.2	5.2		156.0
		1385	1415	Sqm	1	30.0	5.2	5.3	5.3		157.5
		1415	1445	Sqm	1	30.0	5.3	5.2	5.3		157.5
		1445	1475	Sqm	1	30.0	5.2	5.5	5.4		160.5
		1475	1505	Sqm	1	30.0	5.5	5.6	5.6		166.5
		1505	1535	Sqm	1	30.0	5.6	5.6	5.6		168.0
		1535	1565	Sqm	1	30.0	5.6	5.8	5.7		171.0
		1565	1595	Sqm	1	30.0	5.8	5.6	5.7		171.0
		1595	1625	Sqm	1	30.0	5.6	5.2	5.4		162.0
		1625	1655	Sqm	1	30.0	5.2	5.5	5.4		160.5
		1655	1685	Sqm	1	30.0	5.5	5.5	5.5		165.0
		1685	1715	Sqm	1	30.0	5.5	5.5	5.5		165.0
		1715	1745	Sqm	1	30.0	5.5	5.5	5.5		165.0
		1745	1775	Sqm	1	30.0	5.5	5.5	5.5		165.0
		1775	1805	Sqm	1	30.0	5.5	5.5	5.5		165.0
		1805	1835	Sqm	1	30.0	5.5	5.5	5.5		165.0
		1835	1865	Sqm	1	30.0	5.5	6.0	5.8		172.5
		1865	1895	Sqm	1	30.0	6.0	5.0	5.5		165.0
		1895	1925	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1925	1955	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1955	1985	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1985	2015	Sqm	1	30.0	5.0	5.0	5.0		150.0
		2015	2045	Sqm	1	30.0	5.0	5.0	5.0		150.0
<b>Forest office</b>											
<b>Chainage 0 to 95 m</b>											
		0	30	Sqm	1	30	8.5	5.8	7.15		214.5
		30	60	Sqm	1	30	5.8	5.8	5.8		174
		60	90	Sqm	1	30	5.8	5.8	5.8		174
		90	95	Sqm	1	5	5.8	5.8	5.8		29
<b>Kanva cross road</b>											
<b>Chainage 0 to 350 m RHS</b>											
		0	30	Sqm	1	30.0	13.1	11.8	12.4		372.8
		30	40	Sqm	1	10.0	11.8	11.3	11.5		115.3
		40	60	Sqm	1	20.0	11.3	8.7	10.0		200.0
		60	90	Sqm	1	30.0	8.7	8.5	8.6		258.0

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		90	120	Sqm	1	30.0	8.5	8.3	8.4		252.0
		120	150	Sqm	1	30.0	8.3	8.0	8.2		244.5
		150	180	Sqm	1	30.0	8.0	8.1	8.1		241.5
		180	210	Sqm	1	30.0	8.1	8.2	8.2		244.5
		210	240	Sqm	1	30.0	8.2	7.5	7.9		235.5
		240	270	Sqm	1	30.0	7.5	8.5	8.0		240.0
		270	300	Sqm	1	30.0	8.5	7.5	8.0		240.0
		300	330	Sqm	1	30.0	7.5	7.5	7.5		225.0
		330	338	Sqm	1	8.0	7.5	7.5	7.5		60.0
		<b>Chainage 0 to 187 m RHS</b>									
		0	30	Sqm	1	30.0	14.6	6.1	10.4		310.5
		30	60	Sqm	1	30.0	6.1	5.8	6.0		178.5
		60	90	Sqm	1	30.0	5.8	5.8	5.8		174.0
		90	120	Sqm	1	30.0	5.8	5.8	5.8		174.0
		120	150	Sqm	1	30.0	5.8	5.8	5.8		174.0
		150	180	Sqm	1	30.0	5.8	8.0	6.9		207.0
		180	187	Sqm	1	7.0	8.0	8.0	8.0		56.0
		Bell mouth				1	5	5.7	3	4.4	21.8
		<b>Kengal Kanva</b>									
		<b>Chainage 2060 to 3410 m LHS</b>									
		2060	2090	Sqm	1	30.0	3.3	3.8	3.6		106.5
		2090	2120	Sqm	1	30.0	3.8	4.5	4.2		124.5
		2120	2150	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2150	2180	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2180	2210	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2210	2240	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2240	2270	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2270	2300	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2300	2330	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2330	2360	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2360	2390	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2390	2420	Sqm	1	30.0	4.5	5.0	4.8		142.5
		2420	2450	Sqm	1	30.0	5.0	4.1	4.6		136.5
		2450	2480	Sqm	1	30.0	4.1	5.2	4.7		139.5
		2480	2510	Sqm	1	30.0	5.2	5.0	5.1		153.0
		2510	2540	Sqm	1	30.0	5.0	4.3	4.7		139.5
		2540	2570	Sqm	1	30.0	4.3	5.5	4.9		147.0
		2570	2600	Sqm	1	30.0	5.5	6.0	5.8		172.5
		2600	2630	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2630	2660	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2660	2690	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2690	2720	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2720	2750	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2750	2780	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2780	2810	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2810	2840	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2840	2870	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2870	2900	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2900	2930	Sqm	1	30.0	6.0	6.0	6.0		180.0
	Kengal junction	2930	2960	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2960	2990	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2990	3020	Sqm	1	30.0	6.0	6.0	6.0		180.0

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		3090	3120	Sqm	1	30.0	6.0	6.0	6.0		180.0
		3120	3150	Sqm	1	30.0	6.0	3.8	4.9		147.0
		3150	3180	Sqm	1	30.0	3.8	2.0	2.9		87.0
		3180	3190	Sqm	1	10.0	2.0	4.0	3.0		30.0
		3190	3220	Sqm	1	30.0	4.0	4.5	4.3		127.5
		3220	3250	Sqm	1	30.0	4.5	4.5	4.5		135.0
		3250	3280	Sqm	1	30.0	4.5	2.3	3.4		102.0
		3280	3310	Sqm	1	30.0	2.3	2.5	2.4		72.0
		3310	3340	Sqm	1	30.0	2.5	2.6	2.6		76.5
		3340	3370	Sqm	1	30.0	2.6	1.4	2.0		60.0
		3370	3400	Sqm	1	30.0	1.4	1.4	1.4		42.0
		3400	3430	Sqm	1	30.0	1.4	1.1	1.3		37.5
		3430	3460	Sqm	1	30.0	1.1	0.7	0.9		27.0
		Bell mouth @ 2915		Sqm	1	20.0	25.0	15.0	20.0		400.0
		Kuvempu college									
		Chainage 3700 to 4330 m LHS									
		3700	3730	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3730	3760	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3760	3790	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3790	3820	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3820	3850	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3850	3880	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3880	3910	Sqm	1	30.0	5.0	5.0	5.0		150.0
	KUVEMPU COLLEGE JUNCTION	3910	3940	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3940	3970	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3970	4000	Sqm	1	30.0	5.0	5.0	5.0		150.0
		4000	4030	Sqm	1	30.0	5.0	5.0	5.0		150.0
		4030	4060	Sqm	1	30.0	5.0	3.0	4.0		120.0
		4060	4090	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4090	4120	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4120	4150	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4150	4180	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4180	4210	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4210	4240	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4240	4270	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4270	4300	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4300	4330	Sqm	1	30.0	3.0	3.0	3.0		90.0
		Chainage 3690 to 4320 m RHS									
		3690	3720	Sqm	1	30.0	1.9	2.2	2.1		61.5
		3720	3750	Sqm	1	30.0	2.2	2.4	2.3		69.0
		3750	3780	Sqm	1	30.0	2.4	2.4	2.4		72.0
		3780	3810	Sqm	1	30.0	2.4	3.2	2.8		84.0
		3810	3840	Sqm	1	30.0	3.2	3.0	3.1		93.0
		3840	3870	Sqm	1	30.0	3.0	2.3	2.7		79.5
		3870	3900	Sqm	1	30.0	2.3	3.0	2.7		79.5
		3900	3930	Sqm	1	30.0	3.0	4.0	3.5		105.0

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	KUVEMPU COLLEGE JUNCTION	3930	3960	Sqm	1	30.0	4.0	4.0	4.0	120.0
		3960	3990	Sqm	1	30.0	4.0	4.0	4.0	120.0
		3990	4020	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4020	4050	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4050	4080	Sqm	1	30.0	4.0	5.0	4.5	135.0
		4080	4110	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4110	4140	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4140	4170	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4170	4200	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4200	4230	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4230	4260	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4260	4290	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4290	4320	Sqm	1	30.0	5.0	5.0	5.0	150.0
<b>Vandarakuppe gate</b>										
<b>Chainage 4330 to 5230 m LHS</b>										
		4330	4360	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4360	4390	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4390	4420	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4420	4450	Sqm	1	30.0	3.0	3.0	3.0	90.0
	Vandarakup pe gate	4450	4480	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4480	4510	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4510	4540	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4540	4570	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4570	4600	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4600	4630	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4630	4660	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4660	4690	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4690	4720	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4720	4750	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4750	4770	Sqm	1	20.0	3.0	3.0	3.0	60.0
	PTC	4770 - 4930								
		4930	4960	Sqm	1	30.0	3.5	3.5	3.5	105.0
		4960	4990	Sqm	1	30.0	3.5	3.5	3.5	105.0
		4990	5020	Sqm	1	30.0	3.5	3.5	3.5	105.0
		5020	5050	Sqm	1	30.0	3.5	3.5	3.5	105.0
		5050	5080	Sqm	1	30.0	3.5	3.5	3.5	105.0
		5080	5110	Sqm	1	30.0	3.5	4.0	3.8	112.5
		5110	5140	Sqm	1	30.0	4.0	4.0	4.0	120.0
		5140	5170	Sqm	1	30.0	4.0	4.0	4.0	120.0
		5170	5200	Sqm	1	30.0	4.0	4.0	4.0	120.0
		5200	5230	Sqm	1	30.0	4.0	4.0	4.0	120.0
<b>Chainage 4320 to 5200 m RHS</b>										
		4320	4350	Sqm	1	30.0	5.0	4.0	4.5	135.0
		4350	4380	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4380	4410	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4410	4440	Sqm	1	30.0	4.0	4.0	4.0	120.0

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	Vandarakup pe gate	4440	4455	Sqm						
		4455	4485	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4485	4515	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4515	4545	Sqm	1	30.0	5.0	6.0	5.5	165.0
		4545	4575	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4575	4605	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4605	4635	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4635	4665	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4665	4695	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4695	4725	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4725	4755	Sqm	1	30.0	6.0	6.0	6.0	180.0
	PTC	4755 - 4900								
		4900	4930	Sqm	1	30.0	4.6	4.6	4.6	138.0
		4930	4960	Sqm	1	30.0	4.6	4.6	4.6	138.0
		4960	4990	Sqm	1	30.0	4.6	5.0	4.8	144.0
		4990	5020	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5020	5050	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5050	5080	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5080	5110	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5110	5140	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5140	5170	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5170	5200	Sqm	1	30.0	5.0	5.0	5.0	150.0
	Yarabanagara cross									
	Chainage 5230 to 5980 m LHS									
		5230	5260	Sqm	1	30.0	4.0	5.0	4.5	135.0
		5260	5290	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5290	5320	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5320	5350	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5350	5380	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5380	5410	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5410	5440	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5440	5470	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5470	5500	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5500	5530	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5530	5560	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5560	5590	Sqm	1	30.0	5.0	4.6	4.8	144.0
		5590	5620	Sqm	1	30.0	4.6	3.6	4.1	123.0
		5620	5650	Sqm	1	30.0	3.6	3.6	3.6	108.0
		5650	5680	Sqm	1	30.0	3.6	5.0	4.3	129.0
		5680	5710	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5710	5740	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5740	5770	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5770	5800	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5800	5830	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5830	5860	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5860	5890	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5890	5920	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5920	5950	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5950	5980	Sqm	1	30.0	5.0	5.0	5.0	150.0
	Chainage 5225 to 6005 m RHS									
		5225	5255	Sqm	1	30.0	5.0	5.0	5.0	150.0

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer

Asst Executive Engineer

		5255	5285	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5285	5315	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5315	5345	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5345	5375	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5375	5405	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5405	5435	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5435	5465	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5465	5495	Sqm	1	30.0	5.0	4.0	4.5		135.0
		5495	5525	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5525	5555	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5555	5585	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5585	5615	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5615	5645	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5645	5675	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5675	5705	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5705	5735	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5735	5765	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5765	5795	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5795	5825	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5825	5855	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5855	5885	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5885	5915	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5915	5945	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5945	5975	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5975	6005	Sqm	1	30.0	4.0	3.3	3.7		109.5
										<b>Total</b>	<b>67654.85</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>67654.85</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>


Measurement recorded on : -

10 KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (Page No:

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	$(B1+B2)/2$	Depth (m)	Quantity
<b>APMC Junction</b>										
<b>Chainage 0 to 457 m LHS</b>										
	0	30	Sqm	1	30.0	9.7	11.0	10.4		310.5
	30	60	Sqm	1	30.0	11.0	11.0	11.0		330.0
	60	90	Sqm	1	30.0	11.0	10.4	10.7		321.0
	90	120	Sqm	1	30.0	10.4	9.8	10.1		303.0
	120	150	Sqm	1	30.0	9.8	10.4	10.1		303.0
	150	180	Sqm	1	30.0	10.4	13.6	12.0		360.0
	180	210	Sqm	1	30.0	13.6	11.0	12.3		369.0
	210	240	Sqm	1	30.0	11.0	11.0	11.0		330.0
	240	270	Sqm	1	30.0	11.0	12.3	11.7		349.5
	270	300	Sqm	1	30.0	12.3	9.8	11.1		331.5
	300	330	Sqm	1	30.0	9.8	9.0	9.4		282.0
	330	360	Sqm	1	30.0	9.0	9.8	9.4		282.0
	360	390	Sqm	1	30.0	9.8	9.6	9.7		291.0
	390	420	Sqm	1	30.0	9.6	11.6	10.6		318.0

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
**Director**

  
Section Engineer

  
Asst Executive Engineer

		420	450	Sqm	1	30.0	11.6	10.6	11.1		333.0
		450	457	Sqm	1	7.0	10.6	10.3	10.5		73.2
	Bell mouth	0	25	Sqm	1	25.0	9.7	7.0	8.4		208.8
		25	38	Sqm	1	13.0	7.0	7.0	7.0		91.0
	1			Sqm	1	17.0	6.0	6.0	6.0		102.0
	2			Sqm	1	13.0	7.0	7.0	7.0		91.0
	3			Sqm	1	13.0	7.0	7.0	7.0		91.0
	<b>Kanakapura cross</b>										
	Ch 300 - 325			Sqm	2	25.0	1.6	0.9	1.3		62.5
	Ch 360 - 386			Sqm	2	26.0	1.0	1.1	1.0		52.0
	<b>APPROCH ROAD TOWARDS CHANMANAHALLI</b>										
					1	22.0	8.5	1.0	4.8		104.5
	<b>Janapadaloka towards bangalore</b>										
	<b>Chainage 0 to 700 m LHS</b>										
		0	30	Sqm	1	30.0	4.1	3.2	3.7		109.5
		30	60	Sqm	1	30.0	3.2	3.1	3.2		94.5
		60	90	Sqm	1	30.0	3.1	3.1	3.1		93.0
		90	120	Sqm	1	30.0	3.1	3.1	3.1		93.0
		120	150	Sqm	1	30.0	3.1	3.1	3.1		93.0
		150	180	Sqm	1	30.0	3.1	3.1	3.1		93.0
		180	210	Sqm	1	30.0	3.1	3.1	3.1		93.0
		210	240	Sqm	1	30.0	3.1	3.1	3.1		93.0
		240	270	Sqm	1	30.0	3.1	3.1	3.1		93.0
		270	300	Sqm	1	30.0	3.1	3.1	3.1		93.0
		300	330	Sqm	1	30.0	3.1	3.1	3.1		93.0
		330	360	Sqm	1	30.0	3.1	3.1	3.1		93.0
		360	390	Sqm	1	30.0	3.1	3.1	3.1		93.0
		390	420	Sqm	1	30.0	3.1	3.1	3.1		93.0
		420	450	Sqm	1	30.0	3.1	3.1	3.1		93.0
		450	480	Sqm	1	30.0	3.1	3.1	3.1		93.0
		480	510	Sqm	1	30.0	3.1	3.1	3.1		93.0
		510	520	Sqm	1	10.0	3.1	2.2	2.7		26.5
		520	526	Sqm	1	6.0	0.0	0.0	0.0		0.0
		526	540	Sqm	1	14.0	2.6	3.1	2.9		39.9
		540	570	Sqm	1	30.0	3.1	3.1	3.1		93.0
		570	600	Sqm	1	30.0	3.1	3.1	3.1		93.0
		600	630	Sqm	1	30.0	3.1	3.1	3.1		93.0
		630	660	Sqm	1	30.0	3.1	3.1	3.1		93.0
		660	690	Sqm	1	30.0	3.1	3.1	3.1		93.0
		690	700	Sqm	1	10.0	3.1	3.1	3.1		31.0
	<b>Chainage 0 to 744 m RHS</b>										
		190	210	Sqm	1	20.0	2.1	2.9	2.5		50.0
		210	240	Sqm	1	30.0	2.9	3.1	3.0		90.0
		240	270	Sqm	1	30.0	3.1	4.0	3.6		106.5
		270	300	Sqm	1	30.0	4.0	3.7	3.9		115.5
		300	330	Sqm	1	30.0	3.7	3.7	3.7		111.0
		330	360	Sqm	1	30.0	3.7	3.8	3.8		112.5

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Contractor  
Director

Section Engineer

Asst Executive Engineer

		360	390	Sqm	1	30.0	3.8	3.8	3.8		114.0
		390	420	Sqm	1	30.0	3.8	3.7	3.8		112.5
		420	450	Sqm	1	30.0	3.7	3.7	3.7		111.0
		450	480	Sqm	1	30.0	3.7	4.0	3.9		115.5
		480	510	Sqm	1	30.0	4.0	3.7	3.9		115.5
		510	520	Sqm	1	10.0	3.7	2.3	3.0		30.0
		520	526	Sqm	1	6.0	0.0	0.0	0.0		0.0
		526	540	Sqm	1	14.0	2.3	3.5	2.9		40.6
		540	570	Sqm	1	30.0	3.5	3.3	3.4		102.0
		570	600	Sqm	1	30.0	3.3	3.2	3.3		97.5
		600	630	Sqm	1	30.0	3.2	3.5	3.4		100.5
		630	660	Sqm	1	30.0	3.5	3.3	3.4		102.0
		660	690	Sqm	1	30.0	3.3	3.3	3.3		99.0
		690	720	Sqm	1	30.0	3.3	3.4	3.4		100.5
		720	744	Sqm	1	24.0	3.4	3.4	3.4		81.6
		<b>Janapadaloka towards bangalore</b>									
		<b>Chainage 102 to 240 m RHS</b>									
		102	120	Sqm	1	18.0	4.0	4.0	4.0		72.0
		120	150	Sqm	1	30.0	4.0	4.0	4.0		120.0
		150	180	Sqm	1	30.0	4.0	4.0	4.0		120.0
		180	210	Sqm	1	30.0	4.0	4.0	4.0		120.0
		210	240	Sqm	1	30.0	4.0	4.0	4.0		120.0
		<b>Janapada Loka</b>									
		<b>Chainage 0 to 660 m LHS</b>									
		0	30	Sqm	1	30.0	5.0	5.0	5.0		150.0
		30	60	Sqm	1	30.0	5.0	5.0	5.0		150.0
		60	90	Sqm	1	30.0	5.0	5.0	5.0		150.0
		90	120	Sqm	1	30.0	5.0	5.0	5.0		150.0
		120	150	Sqm	1	30.0	5.0	5.0	5.0		150.0
		150	180	Sqm	1	30.0	5.0	5.0	5.0		150.0
		180	210	Sqm	1	30.0	5.0	5.0	5.0		150.0
		210	240	Sqm	1	30.0	5.0	5.0	5.0		150.0
		240	270	Sqm	1	30.0	5.0	5.0	5.0		150.0
		270	300	Sqm	1	30.0	5.0	5.0	5.0		150.0
		300	330	Sqm	1	30.0	5.0	5.0	5.0		150.0
		330	360	Sqm	1	30.0	5.0	5.0	5.0		150.0
		360	390	Sqm	1	30.0	5.0	5.0	5.0		150.0
		390	420	Sqm	1	30.0	5.0	5.0	5.0		150.0
		420	450	Sqm	1	30.0	5.0	5.0	5.0		150.0
		450	480	Sqm	1	30.0	5.0	5.0	5.0		150.0
		480	510	Sqm	1	30.0	5.0	5.0	5.0		150.0
		510	540	Sqm	1	30.0	5.0	3.0	4.0		120.0
		540	570	Sqm	1	30.0	3.0	3.0	3.0		90.0
		570	600	Sqm	1	30.0	3.0	4.0	3.5		105.0
		600	630	Sqm	1	30.0	4.0	4.1	4.1		121.5
		630	660	Sqm	1	30.0	4.1	4.1	4.1		123.0
		<b>Chainage 0 to 660 m RHS</b>									
		0	30	Sqm	1	30.0	5.0	5.0	5.0		150.0
		30	60	Sqm	1	30.0	5.0	5.0	5.0		150.0
		60	90	Sqm	1	30.0	5.0	5.0	5.0		150.0

APJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer

Asst Executive Engineer

		90	102	Sqm	1	12.0	5.0	2.2	3.6		43.2
		102	120	Sqm	1	18.0	2.2	2.1	2.2		38.7
		120	150	Sqm	1	30.0	2.1	2.0	2.1		61.5
		150	180	Sqm	1	30.0	2.0	2.1	2.1		61.5
		180	210	Sqm	1	30.0	2.1	2.0	2.1		61.5
		210	240	Sqm	1	30.0	2.0	4.0	3.0		90.0
		240	270	Sqm	1	30.0	4.0	4.0	4.0		120.0
		270	300	Sqm	1	30.0	4.0	4.0	4.0		120.0
		300	330	Sqm	1	30.0	4.0	4.0	4.0		120.0
		330	360	Sqm	1	30.0	4.0	4.0	4.0		120.0
		360	390	Sqm	1	30.0	4.0	5.0	4.5		135.0
		390	420	Sqm	1	30.0	5.0	5.0	5.0		150.0
		420	450	Sqm	1	30.0	5.0	5.0	5.0		150.0
		450	480	Sqm	1	30.0	5.0	5.0	5.0		150.0
		480	510	Sqm	1	30.0	5.0	5.0	5.0		150.0
		510	540	Sqm	1	30.0	5.0	5.0	5.0		150.0
		540	570	Sqm	1	30.0	5.0	5.0	5.0		150.0
		570	600	Sqm	1	30.0	5.0	5.0	5.0		150.0
		600	630	Sqm	1	30.0	5.0	5.0	5.0		150.0
		630	660	Sqm	1	30.0	5.0	5.0	5.0		150.0
		<b>B G S school road</b>									
		0	30	Sqm	2	30.0	4.0	4.0	4.0		240.0
		30	60	Sqm	2	30.0	4.0	4.0	4.0		240.0
		<b>Government Polytechnic</b>									
		Bell mouth			1	9	20.3	4.7	12.5		112.5
		<b>Forest office</b>									
		<b>Chainage 0 to 107 m</b>									
		0	30	Sqm	1	30.0	4.3	4.5	4.4		132.0
		30	60	Sqm	1	30.0	4.5	4.5	4.5		135.0
		60	90	Sqm	1	30.0	4.5	4.6	4.6		136.5
		90	107	Sqm	1	17.0	4.6	4.5	4.6		77.4
		Bell mouth			1	4	4.6	6	5.3		21.2
		<b>Govt. Engineering College</b>									
		<b>Chainage 660 to 990 m LHS</b>									
		660	690	Sqm	1	30.0	4.1	5.0	4.6		136.5
		690	720	Sqm	1	30.0	5.0	5.0	5.0		150.0
		720	750	Sqm	1	30.0	5.0	5.0	5.0		150.0
		750	780	Sqm	1	30.0	5.0	5.0	5.0		150.0
		780	810	Sqm	1	30.0	5.0	5.0	5.0		150.0
		810	840	Sqm	1	30.0	5.0	5.0	5.0		150.0
		840	870	Sqm	1	30.0	5.0	5.0	5.0		150.0
		870	900	Sqm	1	30.0	5.0	4.5	4.8		142.5
		900	930	Sqm	1	30.0	4.5	5.0	4.8		142.5
		930	960	Sqm	1	30.0	5.0	4.0	4.5		135.0
		960	990	Sqm	1	30.0	4.0	4.0	4.0		120.0
		990	1020	Sqm	1	30.0	4.0	3.5	3.8		112.5
		1020	1050	Sqm	1	30.0	3.5	3.5	3.5		105.0
		1050	1080	Sqm	1	30.0	3.5	3.5	3.5		105.0
		<b>Chainage 660 to 990 m RHS</b>									

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer

Asst Executive Engineer

		660	690	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		690	720	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		720	750	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		750	780	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		780	810	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		810	840	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		840	870	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		870	900	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		900	930	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		930	960	Sqm	1	30.0	5.0	4.5	4.8		142.5	
		960	990	Sqm	1	30.0	4.5	4.2	4.4		130.5	
		990	1020	Sqm	1	30.0	4.2	4.0	4.1		123.0	
		1020	1050	Sqm	1	30.0	4.0	3.0	3.5		105.0	
		1050	1060	Sqm	1	10.0	3.0	4.0	3.5		35.0	
		Bell mouth				1	22	19	28	23.5		517.0
		<b>Manshetahalli</b>										
		<b>Chainage 1080 to 2060 m LHS</b>										
		1080	1110	Sqm	1	30.0	3.5	5.0	4.3		127.5	
		1110	1140	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1140	1170	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1170	1200	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1200	1230	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1230	1260	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1260	1290	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1290	1320	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1320	1350	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1350	1380	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1380	1410	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1410	1440	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1440	1470	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1470	1500	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1500	1530	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1530	1560	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1560	1590	Sqm	1	30.0	5.0	5.0	5.0		150.0	
		1590	1620	Sqm	1	30.0	5.0	3.3	4.2		124.5	
		1620	1650	Sqm	1	30.0	3.3	3.1	3.2		96.0	
		1650	1680	Sqm	1	30.0	3.1	3.1	3.1		93.0	
		1680	1710	Sqm	1	30.0	3.1	3.2	3.2		94.5	
		1710	1740	Sqm	1	30.0	3.2	3.1	3.2		94.5	
		1740	1770	Sqm	1	30.0	3.1	3.1	3.1		93.0	
		1770	1800	Sqm	1	30.0	3.1	3.2	3.2		94.5	
		1800	1830	Sqm	1	30.0	3.2	3.1	3.2		94.5	
		1830	1860	Sqm	1	30.0	3.1	3.2	3.2		94.5	
		1860	1890	Sqm	1	30.0	3.2	3.1	3.2		94.5	
		1890	1920	Sqm	1	30.0	3.1	3.1	3.1		93.0	
		1920	1950	Sqm	1	30.0	3.1	3.2	3.2		94.5	
		1950	1980	Sqm	1	30.0	3.2	3.3	3.3		97.5	
		1980	2010	Sqm	1	30.0	3.3	3.2	3.3		97.5	
		2010	2040	Sqm	1	30.0	3.2	3.2	3.2		96.0	
		2040	2060	Sqm	1	20.0	3.2	3.3	3.3		65.0	
		<b>Chainage 1060 to 2045 m RHS</b>										
		1060	1085	Sqm	1	25.0	4.0	5.0	4.5		112.5	

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Section Engineer

Asst Executive Engineer

		1085	1115	Sqm	1	30.0	5.0	5.0	5.0	150.0
		1115	1145	Sqm	1	30.0	5.0	5.0	5.0	150.0
		1145	1175	Sqm	1	30.0	5.0	5.0	5.0	150.0
		1175	1205	Sqm	1	30.0	5.0	5.0	5.0	150.0
		1205	1235	Sqm	1	30.0	5.0	4.5	4.8	142.5
		1235	1265	Sqm	1	30.0	4.5	4.5	4.5	135.0
		1265	1295	Sqm	1	30.0	4.5	4.5	4.5	135.0
		1295	1325	Sqm	1	30.0	4.5	5.0	4.8	142.5
		1325	1355	Sqm	1	30.0	5.0	5.2	5.1	153.0
		1355	1385	Sqm	1	30.0	5.2	5.2	5.2	156.0
		1385	1415	Sqm	1	30.0	5.2	5.3	5.3	157.5
		1415	1445	Sqm	1	30.0	5.3	5.2	5.3	157.5
		1445	1475	Sqm	1	30.0	5.2	5.5	5.4	160.5
		1475	1505	Sqm	1	30.0	5.5	5.6	5.6	166.5
		1505	1535	Sqm	1	30.0	5.6	5.6	5.6	168.0
		1535	1565	Sqm	1	30.0	5.6	5.8	5.7	171.0
		1565	1595	Sqm	1	30.0	5.8	5.6	5.7	171.0
		1595	1625	Sqm	1	30.0	5.6	5.2	5.4	162.0
		1625	1655	Sqm	1	30.0	5.2	5.5	5.4	160.5
		1655	1685	Sqm	1	30.0	5.5	5.5	5.5	165.0
		1685	1715	Sqm	1	30.0	5.5	5.5	5.5	165.0
		1715	1745	Sqm	1	30.0	5.5	5.5	5.5	165.0
		1745	1775	Sqm	1	30.0	5.5	5.5	5.5	165.0
		1775	1805	Sqm	1	30.0	5.5	5.5	5.5	165.0
		1805	1835	Sqm	1	30.0	5.5	5.5	5.5	165.0
		1835	1865	Sqm	1	30.0	5.5	6.0	5.8	172.5
		1865	1895	Sqm	1	30.0	6.0	5.0	5.5	165.0
		1895	1925	Sqm	1	30.0	5.0	5.0	5.0	150.0
		1925	1955	Sqm	1	30.0	5.0	5.0	5.0	150.0
		1955	1985	Sqm	1	30.0	5.0	5.0	5.0	150.0
		1985	2015	Sqm	1	30.0	5.0	5.0	5.0	150.0
		2015	2045	Sqm	1	30.0	5.0	5.0	5.0	150.0
										0.0
<b>Forest office</b>										
<b>Chainage 0 to 95 m</b>										
		0	30	Sqm	1	30	8.5	5.9	7.2	216
		30	60	Sqm	1	30	5.9	5.5	5.7	171
		60	90	Sqm	1	30	5.5	4.3	4.9	147
		90	95	Sqm	1	5	4.3	4.3	4.3	21.5
<b>Kanva cross road</b>										
<b>Chainage 0 to 350 m RHS</b>										
		0	30	Sqm	1	30.0	13.1	11.8	12.4	372.8
		30	40	Sqm	1	10.0	11.8	11.3	11.5	115.3
		40	60	Sqm	1	20.0	11.3	8.7	10.0	200.0
		60	90	Sqm	1	30.0	8.7	8.5	8.6	258.0
		90	120	Sqm	1	30.0	8.5	8.3	8.4	252.0
		120	150	Sqm	1	30.0	8.3	8.0	8.2	244.5
		150	180	Sqm	1	30.0	8.0	8.1	8.1	241.5
		180	210	Sqm	1	30.0	8.1	8.2	8.2	244.5
		210	240	Sqm	1	30.0	8.2	7.5	7.9	235.5
		240	270	Sqm	1	30.0	7.5	8.5	8.0	240.0
		270	300	Sqm	1	30.0	8.5	7.5	8.0	240.0
		300	330	Sqm	1	30.0	7.5	7.5	7.5	225.0

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**Director**

Section Engineer

Asst Executive Engineer



		330	338	Sqm	1	8.0	7.5	7.5	7.5		60.0
<b>Chainage 0 to 187 m RHS</b>											
		0	30	Sqm	1	30.0	14.6	6.1	10.4		310.5
		30	60	Sqm	1	30.0	6.1	5.8	6.0		178.5
		60	90	Sqm	1	30.0	5.8	5.8	5.8		174.0
		90	120	Sqm	1	30.0	5.8	5.8	5.8		174.0
		120	150	Sqm	1	30.0	5.8	5.8	5.8		174.0
		150	180	Sqm	1	30.0	5.8	8.0	6.9		207.0
		180	187	Sqm	1	7.0	8.0	8.0	8.0		56.0
<b>Bell mouth</b>					1	5	5.7	3	4.4		21.8
<b>Kengal Kanva</b>											
<b>Chainage 2060 to 3410 m LHS</b>											
		2060	2090	Sqm	1	30.0	3.3	3.8	3.6		106.5
		2090	2120	Sqm	1	30.0	3.8	4.5	4.2		124.5
		2120	2150	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2150	2180	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2180	2210	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2210	2240	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2240	2270	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2270	2300	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2300	2330	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2330	2360	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2360	2390	Sqm	1	30.0	4.5	4.5	4.5		135.0
		2390	2420	Sqm	1	30.0	4.5	5.0	4.8		142.5
		2420	2450	Sqm	1	30.0	5.0	4.1	4.6		136.5
		2450	2480	Sqm	1	30.0	4.1	5.2	4.7		139.5
		2480	2510	Sqm	1	30.0	5.2	5.0	5.1		153.0
		2510	2540	Sqm	1	30.0	5.0	4.3	4.7		139.5
		2540	2570	Sqm	1	30.0	4.3	5.5	4.9		147.0
		2570	2600	Sqm	1	30.0	5.5	6.0	5.8		172.5
		2600	2630	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2630	2660	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2660	2690	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2690	2720	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2720	2750	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2750	2780	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2780	2810	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2810	2840	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2840	2870	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2870	2900	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2900	2930	Sqm	1	30.0	6.0	6.0	6.0		180.0
	<b>Kengal junction</b>	2930	2960	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2960	2990	Sqm	1	30.0	6.0	6.0	6.0		180.0
		2990	3020	Sqm	1	30.0	6.0	6.0	6.0		180.0
		3020	3050	Sqm	1	30.0	6.0	6.0	6.0		180.0
		3050	3080	Sqm	1	30.0	6.0	3.8	4.9		147.0
		3080	3110	Sqm	1	30.0	3.8	3.3	3.6		106.5
		3110	3115	Sqm	1	5.0	3.3	3.3	3.3		16.5
	<b>Culvert</b>	3115	3124	Sqm							0.0
		3124	3140	Sqm	1	16.0	2.0	2.0	2.0		32.0
		3140	3170	Sqm	1	30.0	2.0	4.1	3.1		91.5
		3170	3200	Sqm	1	30.0	4.1	6.0	5.1		151.5

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		3310	3340	Sqm	1	30.0	2.5	2.6	2.6		76.5
		3340	3370	Sqm	1	30.0	2.6	1.4	2.0		60.0
		3370	3400	Sqm	1	30.0	1.4	1.4	1.4		42.0
		3400	3430	Sqm	1	30.0	1.4	1.1	1.3		37.5
		3430	3460	Sqm	1	30.0	1.1	0.7	0.9		27.0
		Bell mouth @ 2915		Sqm	1	20.0	25.0	15.0	20.0		400.0
		<b>Kuvempu college</b>									
		<b>Chainage 3700 to 4330 m LHS</b>									
		3700	3730	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3730	3760	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3760	3790	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3790	3820	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3820	3850	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3850	3880	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3880	3910	Sqm	1	30.0	5.0	5.0	5.0		150.0
	KUVEMPU COLLEGE JUNCTION	3910	3940	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3940	3970	Sqm	1	30.0	5.0	5.0	5.0		150.0
		3970	4000	Sqm	1	30.0	5.0	5.0	5.0		150.0
		4000	4030	Sqm	1	30.0	5.0	5.0	5.0		150.0
		4030	4060	Sqm	1	30.0	5.0	3.0	4.0		120.0
		4060	4090	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4090	4120	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4120	4150	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4150	4180	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4180	4210	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4210	4240	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4240	4270	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4270	4300	Sqm	1	30.0	3.0	3.0	3.0		90.0
		4300	4330	Sqm	1	30.0	3.0	3.0	3.0		90.0
		<b>Chainage 3690 to 4320 m RHS</b>									
		3690	3720	Sqm	1	30.0	1.9	2.2	2.1		61.5
		3720	3750	Sqm	1	30.0	2.2	2.4	2.3		69.0
		3750	3780	Sqm	1	30.0	2.4	2.4	2.4		72.0
		3780	3810	Sqm	1	30.0	2.4	3.2	2.8		84.0
		3810	3840	Sqm	1	30.0	3.2	3.0	3.1		93.0
		3840	3870	Sqm	1	30.0	3.0	2.3	2.7		79.5
		3870	3900	Sqm	1	30.0	2.3	3.0	2.7		79.5
		3900	3930	Sqm	1	30.0	3.0	4.0	3.5		105.0
	KUVEMPU COLLEGE JUNCTION	3930	3960	Sqm	1	30.0	4.0	4.0	4.0		120.0
		3960	3990	Sqm	1	30.0	4.0	4.0	4.0		120.0
		3990	4020	Sqm	1	30.0	4.0	4.0	4.0		120.0
		4020	4050	Sqm	1	30.0	4.0	4.0	4.0		120.0
		4050	4080	Sqm	1	30.0	4.0	5.0	4.5		135.0

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Section Engineer

Asst Executive Engineer

		4080	4110	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4110	4140	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4140	4170	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4170	4200	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4200	4230	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4230	4260	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4260	4290	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4290	4320	Sqm	1	30.0	5.0	5.0	5.0	150.0
		<b>Vandarakuppe gate</b>								
		<b>Chainage 4330 to 5230 m LHS</b>								
		4330	4360	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4360	4390	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4390	4420	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4420	4450	Sqm	1	30.0	3.0	3.0	3.0	90.0
	Vandarakuppe gate	4450	4480	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4480	4510	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4510	4540	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4540	4570	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4570	4600	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4600	4630	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4630	4660	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4660	4690	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4690	4720	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4720	4750	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4750	4770	Sqm	1	20.0	3.0	3.0	3.0	60.0
	PTC	4770 - 4930								
		4930	4960	Sqm	1	30.0	3.5	3.5	3.5	105.0
		4960	4990	Sqm	1	30.0	3.5	3.5	3.5	105.0
		4990	5020	Sqm	1	30.0	3.5	3.5	3.5	105.0
		5020	5050	Sqm	1	30.0	3.5	3.5	3.5	105.0
		5050	5080	Sqm	1	30.0	3.5	3.5	3.5	105.0
		5080	5110	Sqm	1	30.0	3.5	4.0	3.8	112.5
		5110	5140	Sqm	1	30.0	4.0	4.0	4.0	120.0
		5140	5170	Sqm	1	30.0	4.0	4.0	4.0	120.0
		5170	5200	Sqm	1	30.0	4.0	4.0	4.0	120.0
		5200	5230	Sqm	1	30.0	4.0	4.0	4.0	120.0
		<b>Chainage 4320 to 5200 m RHS</b>								
		4320	4350	Sqm	1	30.0	5.0	4.0	4.5	135.0
		4350	4380	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4380	4410	Sqm	1	30.0	4.0	4.0	4.0	120.0
		4410	4440	Sqm	1	30.0	4.0	4.0	4.0	120.0
	Vandarakuppe gate	4440	4455	Sqm						
		4455	4485	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4485	4515	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4515	4545	Sqm	1	30.0	5.0	6.0	5.5	165.0
		4545	4575	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4575	4605	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4605	4635	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4635	4665	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4665	4695	Sqm	1	30.0	6.0	6.0	6.0	180.0

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Director

Section Engineer

Asst Executive Engineer

		4695	4725	Sqm	1	30.0	6.0	6.0	6.0	180.0
		4725	4755	Sqm	1	30.0	6.0	6.0	6.0	180.0
	PTC	4755 - 4900								
		4900	4930	Sqm	1	30.0	4.6	4.6	4.6	138.0
		4930	4960	Sqm	1	30.0	4.6	4.6	4.6	138.0
		4960	4990	Sqm	1	30.0	4.6	5.0	4.8	144.0
		4990	5020	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5020	5050	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5050	5080	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5080	5110	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5110	5140	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5140	5170	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5170	5200	Sqm	1	30.0	5.0	5.0	5.0	150.0
		<b>Yarabanagara cross</b>								
		<b>Chainage 5230 to 5980 m LHS</b>								
		5230	5260	Sqm	1	30.0	4.0	5.0	4.5	135.0
		5260	5290	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5290	5320	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5320	5350	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5350	5380	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5380	5410	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5410	5440	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5440	5470	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5470	5500	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5500	5530	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5530	5560	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5560	5590	Sqm	1	30.0	5.0	4.6	4.8	144.0
		5590	5620	Sqm	1	30.0	4.6	3.6	4.1	123.0
		5620	5650	Sqm	1	30.0	3.6	3.6	3.6	108.0
		5650	5680	Sqm	1	30.0	3.6	5.0	4.3	129.0
		5680	5710	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5710	5740	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5740	5770	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5770	5800	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5800	5830	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5830	5860	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5860	5890	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5890	5920	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5920	5950	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5950	5980	Sqm	1	30.0	5.0	5.0	5.0	150.0
		<b>Chainage 5225 to 6005 m RHS</b>								
		5225	5255	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5255	5285	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5285	5315	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5315	5345	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5345	5375	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5375	5405	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5405	5435	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5435	5465	Sqm	1	30.0	5.0	5.0	5.0	150.0
		5465	5495	Sqm	1	30.0	5.0	4.0	4.5	135.0
		5495	5525	Sqm	1	30.0	4.0	4.0	4.0	120.0
		5525	5555	Sqm	1	30.0	4.0	4.0	4.0	120.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer



		22	30	Sqm	1	8.0	9.0	7.0	8.0		64.0
		30	60	Sqm	1	30.0	7.0	7.0	7.0		210.0
		60	90	Sqm	1	30.0	7.0	7.0	7.0		210.0
		90	120	Sqm	1	30.0	7.0	7.0	7.0		210.0
		120	150	Sqm	1	30.0	7.0	7.0	7.0		210.0
		150	153	Sqm	1	3.0	7.0	5.8	6.4		19.2
<b>B G S school road</b>											
		0	30	Sqm	2	30.0	3.5	3.5	3.5		210.0
		30	60	Sqm	2	30.0	3.5	3.5	3.5		210.0
<b>APMC</b>											
circle		0	30	Cum	1	30.0	9.0	17.4	13.2		396.0
		30	60	Cum	1	30.0	17.4	17.0	17.2		516.0
		60	90	Cum	1	30.0	17.0	8.4	12.7		381.0
circle		0	30	Cum	1	30.0	11.2	15.5	13.4		400.5
		30	60	Cum	1	30.0	15.5	31.0	23.3		697.5
deduct					-1	3.4			3.4		-11.6
<b>Doddamallur Junction</b>											
<b>Chainage 0 to 175 m LHS</b>											
		0	30	Sqm	1	30.0	11.2	10.9	11.1		331.5
		30	60	Sqm	1	30.0	10.9	10.9	10.9		327.0
		60	90	Sqm	1	30.0	10.9	10.9	10.9		327.0
		90	120	Sqm	1	30.0	10.9	11.0	11.0		328.5
		120	150	Sqm	1	30.0	11.0	11.0	11.0		330.0
		150	175	Sqm	1	25.0	11.0	10.9	11.0		273.8
<b>Yarub nagar cross road</b>											
		0	30	Cum	1	30.0	13.0	4.3	8.7		259.5
		30	60	Cum	1	30.0	4.3	4.2	4.3		127.5
		60	90	Cum	1	30.0	4.2	4.2	4.2		126.0
		90	120	Cum	1	30.0	4.2	4.3	4.3		127.5
		120	150	Cum	1	30.0	4.3	4.2	4.3		127.5
		150	161	Cum	1	11.0	4.2	4.2	4.2		46.2
<b>opposite PWD office</b>											
<b>Ramanagara(old BM road)</b>											
		0	30	Cum	1	30.0	3.5	3.5	3.5		105.0
		30	50	Cum	1	20.0	3.5	3.5	3.5		70.0
										<b>Total</b>	<b>11149.59</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>11149.59</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>
<b>Measurement recorded on :-</b>											
13	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per										
					Sides/	Length	Breadth	Breadth		Depth	

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Contractor  
Director

Section Engineer

Asst Executive Engineer

	CH	CH	Unit	No.s	(m)	B1 (m)	B2 (m)	(B1+B2)/2	(m)	Quantity
<b>APMC Junction</b>										
<b>Chainage 0 to 457 m LHS</b>										
	0	30	Sqm	1	30.0	9.7	11.0	10.4		310.5
	30	60	Sqm	1	30.0	11.0	11.0	11.0		330.0
	60	90	Sqm	1	30.0	11.0	10.4	10.7		321.0
	90	120	Sqm	1	30.0	10.4	9.8	10.1		303.0
	120	150	Sqm	1	30.0	9.8	10.4	10.1		303.0
	150	180	Sqm	1	30.0	10.4	13.6	12.0		360.0
	180	210	Sqm	1	30.0	13.6	11.0	12.3		369.0
	210	240	Sqm	1	30.0	11.0	11.0	11.0		330.0
	240	270	Sqm	1	30.0	11.0	12.3	11.7		349.5
	270	300	Sqm	1	30.0	12.3	9.8	11.1		331.5
	300	330	Sqm	1	30.0	9.8	9.0	9.4		282.0
	330	360	Sqm	1	30.0	9.0	9.8	9.4		282.0
	360	390	Sqm	1	30.0	9.8	9.6	9.7		291.0
	390	420	Sqm	1	30.0	9.6	11.6	10.6		318.0
	420	450	Sqm	1	30.0	11.6	10.6	11.1		333.0
	450	457	Sqm	1	7.0	10.6	10.3	10.5		73.2
Bell mouth	0	25	Sqm	1	25.0	9.7	7.0	8.4		208.8
	25	38	Sqm	1	13.0	7.0	7.0	7.0		91.0
1			Sqm	1	17.0	6.0	6.0	6.0		102.0
2			Sqm	1	13.0	7.0	7.0	7.0		91.0
3			Sqm	1	13.0	7.0	7.0	7.0		91.0
circle	0	30	Cum	1	30.0	9.0	17.4	13.2		396.0
	30	60	Cum	1	30.0	17.4	17.0	17.2		516.0
	60	90	Cum	1	30.0	17.0	8.4	12.7		381.0
circle	0	30	Cum	1	30.0	11.2	15.5	13.4		400.5
	30	60	Cum	1	30.0	15.5	31.0	23.3		697.5
deduct				-1	3.4			3.4		-11.6
<b>opposite PWD office</b>										
<b>Ramanagara(old BM road)</b>										
	0	30	Cum	1	30.0	3.5	3.5	3.5		105.0
	30	50	Cum	1	20.0	3.5	3.5	3.5		70.0
<b>Kanakapura cross</b>										
<b>Chainage 0 to 457 m LHS</b>										
	0	30	Sqm	1	30.0	7.0	7.0	7.0		210.0
	30	60	Sqm	1	30.0	7.0	7.3	7.2		214.5
	60	90	Sqm	1	30.0	7.3	7.3	7.3		219.0
	90	120	Sqm	1	30.0	7.3	7.3	7.3		219.0
	120	150	Sqm	1	30.0	7.3	7.3	7.3		219.0
	150	180	Sqm	1	30.0	7.3	7.3	7.3		219.0
	180	210	Sqm	1	30.0	7.3	7.3	7.3		219.0
	210	240	Sqm	1	30.0	7.3	7.3	7.3		219.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer



	240	270	Sqm	1	30.0	7.3	7.3	7.3		219.0
	270	300	Sqm	1	30.0	7.3	10.5	8.9		267.0
	300	325	Sqm	1	25.0	10.5	9.1	9.8		245.0
<b>Bridge</b>	325	348	Sqm	1	23.0	9.1	7.3	8.2		188.6
	348	360	Sqm	1	12.0	7.3	8.4	7.9		94.2
	360	386	Sqm	1	26.0	8.4	8.6	8.5		221.0
	386	390	Sqm	1	4.0	8.6	6.5	7.6		30.2
	390	420	Sqm	1	30.0	6.5	6.3	6.4		192.0
	420	450	Sqm	1	30.0	6.3	6.5	6.4		192.0
	450	480	Sqm	1	30.0	6.5	6.5	6.5		195.0
	480	510	Sqm	1	30.0	6.5	6.5	6.5		195.0
	510	540	Sqm	1	30.0	6.5	6.4	6.5		193.5
	540	570	Sqm	1	30.0	6.4	6.0	6.2		186.0
<b>Chainage 0 to 153 m LHS</b>										
	0	22	Sqm	1	22.0	24.0	9.0	16.5		363.0
	22	30	Sqm	1	8.0	9.0	7.0	8.0		64.0
	30	60	Sqm	1	30.0	7.0	7.0	7.0		210.0
	60	90	Sqm	1	30.0	7.0	7.0	7.0		210.0
	90	120	Sqm	1	30.0	7.0	7.0	7.0		210.0
	120	150	Sqm	1	30.0	7.0	7.0	7.0		210.0
	150	153	Sqm	1	3.0	7.0	5.8	6.4		19.2
<b>Janapadaloka towards bangalore</b>										
<b>Chainage 0 to 700 m LHS</b>										
	0	30	Sqm	1	30.0	4.1	3.2	3.7		109.5
	30	60	Sqm	1	30.0	3.2	3.1	3.2		94.5
	60	90	Sqm	1	30.0	3.1	3.1	3.1		93.0
	90	120	Sqm	1	30.0	3.1	3.1	3.1		93.0
	120	150	Sqm	1	30.0	3.1	3.1	3.1		93.0
	150	180	Sqm	1	30.0	3.1	3.1	3.1		93.0
	180	210	Sqm	1	30.0	3.1	3.1	3.1		93.0
	210	240	Sqm	1	30.0	3.1	3.1	3.1		93.0
	240	270	Sqm	1	30.0	3.1	3.1	3.1		93.0
	270	300	Sqm	1	30.0	3.1	3.1	3.1		93.0
	300	330	Sqm	1	30.0	3.1	3.1	3.1		93.0
	330	360	Sqm	1	30.0	3.1	3.1	3.1		93.0
	360	390	Sqm	1	30.0	3.1	3.1	3.1		93.0
	390	420	Sqm	1	30.0	3.1	3.1	3.1		93.0
	420	450	Sqm	1	30.0	3.1	3.1	3.1		93.0
	450	480	Sqm	1	30.0	3.1	3.1	3.1		93.0
	480	510	Sqm	1	30.0	3.1	3.1	3.1		93.0
	510	520	Sqm	1	10.0	3.1	2.2	2.7		26.5
	520	526	Sqm	1	6.0	2.2	2.6	2.4		14.4
	526	540	Sqm	1	14.0	2.6	3.1	2.9		39.9
	540	570	Sqm	1	30.0	3.1	3.1	3.1		93.0
	570	600	Sqm	1	30.0	3.1	3.1	3.1		93.0
	600	630	Sqm	1	30.0	3.1	3.1	3.1		93.0
	630	660	Sqm	1	30.0	3.1	3.1	3.1		93.0
	660	690	Sqm	1	30.0	3.1	3.1	3.1		93.0
	690	700	Sqm	1	10.0	3.1	3.1	3.1		31.0
<b>Chainage 0 to 744 m RHS</b>										

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Contractor  
Director

Section Engineer

Asst Executive Engineer

		190	210	Sqm	1	20.0	2.1	2.9	2.5		50.0
		210	240	Sqm	1	30.0	2.9	3.1	3.0		90.0
		240	270	Sqm	1	30.0	3.1	4.0	3.6		106.5
		270	300	Sqm	1	30.0	4.0	3.7	3.9		115.5
		300	330	Sqm	1	30.0	3.7	3.7	3.7		111.0
		330	360	Sqm	1	30.0	3.7	3.8	3.8		112.5
		360	390	Sqm	1	30.0	3.8	3.8	3.8		114.0
		390	420	Sqm	1	30.0	3.8	3.7	3.8		112.5
		420	450	Sqm	1	30.0	3.7	3.7	3.7		111.0
		450	480	Sqm	1	30.0	3.7	4.0	3.9		115.5
		480	510	Sqm	1	30.0	4.0	3.7	3.9		115.5
		510	520	Sqm	1	10.0	3.7	2.3	3.0		30.0
		520	526	Sqm	1	6.0	2.3	2.3	2.3		13.8
		526	540	Sqm	1	14.0	2.3	3.5	2.9		40.6
		540	570	Sqm	1	30.0	3.5	3.3	3.4		102.0
		570	600	Sqm	1	30.0	3.3	3.2	3.3		97.5
		600	630	Sqm	1	30.0	3.2	3.5	3.4		100.5
		630	660	Sqm	1	30.0	3.5	3.3	3.4		102.0
		660	690	Sqm	1	30.0	3.3	3.3	3.3		99.0
		690	720	Sqm	1	30.0	3.3	3.4	3.4		100.5
		720	744	Sqm	1	24.0	3.4	3.4	3.4		81.6
		<b>Janapadaloka towards bangalore</b>									
		<b>Chainage 102 to 240 m RHS</b>									
		102	120	Sqm	1	18.0	4.0	4.0	4.0		72.0
		120	150	Sqm	1	30.0	4.0	4.0	4.0		120.0
		150	180	Sqm	1	30.0	4.0	4.0	4.0		120.0
		180	210	Sqm	1	30.0	4.0	4.0	4.0		120.0
		210	240	Sqm	1	30.0	4.0	4.0	4.0		120.0
		<b>Janapada Loka</b>									
		<b>Chainage 0 to 660 m LHS</b>									
		0	30	Sqm	1	30.0	5.0	5.0	5.0		150.0
		30	60	Sqm	1	30.0	5.0	5.0	5.0		150.0
		60	90	Sqm	1	30.0	5.0	5.0	5.0		150.0
		90	120	Sqm	1	30.0	5.0	5.0	5.0		150.0
		120	150	Sqm	1	30.0	5.0	5.0	5.0		150.0
		150	180	Sqm	1	30.0	5.0	5.0	5.0		150.0
		180	210	Sqm	1	30.0	5.0	5.0	5.0		150.0
		210	240	Sqm	1	30.0	5.0	5.0	5.0		150.0
		240	270	Sqm	1	30.0	5.0	5.0	5.0		150.0
		270	300	Sqm	1	30.0	5.0	5.0	5.0		150.0
		300	330	Sqm	1	30.0	5.0	5.0	5.0		150.0
		330	360	Sqm	1	30.0	5.0	5.0	5.0		150.0
		360	390	Sqm	1	30.0	5.0	5.0	5.0		150.0
		390	420	Sqm	1	30.0	5.0	5.0	5.0		150.0
		420	450	Sqm	1	30.0	5.0	5.0	5.0		150.0
		450	480	Sqm	1	30.0	5.0	5.0	5.0		150.0
		480	510	Sqm	1	30.0	5.0	5.0	5.0		150.0
		510	540	Sqm	1	30.0	5.0	3.0	4.0		120.0
		540	570	Sqm	1	30.0	3.0	3.0	3.0		90.0
		570	600	Sqm	1	30.0	3.0	4.0	3.5		105.0
		600	630	Sqm	1	30.0	4.0	4.1	4.1		121.5

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer

Asst Executive Engineer

		630	660	Sqm	1	30.0	4.1	4.1	4.1		123.0
<b>Chainage 0 to 660 m RHS</b>											
		0	30	Sqm	1	30.0	5.0	5.0	5.0		150.0
		30	60	Sqm	1	30.0	5.0	5.0	5.0		150.0
		60	90	Sqm	1	30.0	5.0	5.0	5.0		150.0
		90	102	Sqm	1	12.0	5.0	2.2	3.6		43.2
		102	120	Sqm	1	18.0	2.2	2.1	2.2		38.7
		120	150	Sqm	1	30.0	2.1	2.0	2.1		61.5
		150	180	Sqm	1	30.0	2.0	2.1	2.1		61.5
		180	210	Sqm	1	30.0	2.1	2.0	2.1		61.5
		210	240	Sqm	1	30.0	2.0	4.0	3.0		90.0
		240	270	Sqm	1	30.0	4.0	4.0	4.0		120.0
		270	300	Sqm	1	30.0	4.0	4.0	4.0		120.0
		300	330	Sqm	1	30.0	4.0	4.0	4.0		120.0
		330	360	Sqm	1	30.0	4.0	4.0	4.0		120.0
		360	390	Sqm	1	30.0	4.0	5.0	4.5		135.0
		390	420	Sqm	1	30.0	5.0	5.0	5.0		150.0
		420	450	Sqm	1	30.0	5.0	5.0	5.0		150.0
		450	480	Sqm	1	30.0	5.0	5.0	5.0		150.0
		480	510	Sqm	1	30.0	5.0	5.0	5.0		150.0
		510	540	Sqm	1	30.0	5.0	5.0	5.0		150.0
		540	570	Sqm	1	30.0	5.0	5.0	5.0		150.0
		570	600	Sqm	1	30.0	5.0	5.0	5.0		150.0
		600	630	Sqm	1	30.0	5.0	5.0	5.0		150.0
		630	660	Sqm	1	30.0	5.0	5.0	5.0		150.0
<b>B G S school road</b>											
		0	30	Sqm	1	30.0	13.0	10.0	11.5		345.0
		30	60	Sqm	1	30.0	10.0	13.0	11.5		345.0
<b>Government Polytechnic</b>											
<b>Bell mouth</b>					1	9	20.3	4.7	12.5		112.5
<b>approach near DC home</b>											
		0	30	Sqm	1	30.0	5.0	5.5	5.3		157.5
		30	60	Sqm	1	30.0	5.5	5.5	5.5		165.0
		60	90	Sqm	1	30.0	4.1	3.8	3.9		117.8
		90	120	Sqm	1	30.0	3.8	5.3	4.5		135.8
		120	150	Sqm	1	30.0	5.3	4.4	4.9		145.5
		150	176	Sqm	1	26.0	4.4	4.4	4.4		114.4
<b>Bell mouth</b>					1	11.7	6.6	7	6.8		79.6
<b>Forest office</b>											
<b>Chainage 0 to 107 m</b>											
		0	30	Sqm	1	30.0	4.3	4.5	4.4		132.0
		30	60	Sqm	1	30.0	4.5	4.5	4.5		135.0
		60	90	Sqm	1	30.0	4.5	4.6	4.6		136.5
		90	107	Sqm	1	17.0	4.6	4.5	4.6		77.4
<b>Bell mouth</b>					1	4	4.6	6	5.3		21.2
<b>Govt. Engineering College</b>											
<b>Chainage 660 to 990 m LHS</b>											
		660	690	Sqm	1	30.0	4.1	5.0	4.6		136.5
		690	720	Sqm	1	30.0	5.0	5.0	5.0		150.0
		720	750	Sqm	1	30.0	5.0	5.0	5.0		150.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer

		750	780	Sqm	1	30.0	5.0	5.0	5.0		150.0
		780	810	Sqm	1	30.0	5.0	5.0	5.0		150.0
		810	840	Sqm	1	30.0	5.0	5.0	5.0		150.0
		840	870	Sqm	1	30.0	5.0	5.0	5.0		150.0
		870	900	Sqm	1	30.0	5.0	4.5	4.8		142.5
		900	930	Sqm	1	30.0	4.5	5.0	4.8		142.5
		930	960	Sqm	1	30.0	5.0	4.0	4.5		135.0
		960	990	Sqm	1	30.0	4.0	4.0	4.0		120.0
		990	1020	Sqm	1	30.0	4.0	3.5	3.8		112.5
		1020	1050	Sqm	1	30.0	3.5	3.5	3.5		105.0
		1050	1080	Sqm	1	30.0	3.5	3.5	3.5		105.0
<b>Chainage 660 to 990 m RHS</b>											
		660	690	Sqm	1	30.0	5.0	5.0	5.0		150.0
		690	720	Sqm	1	30.0	5.0	5.0	5.0		150.0
		720	750	Sqm	1	30.0	5.0	5.0	5.0		150.0
		750	780	Sqm	1	30.0	5.0	5.0	5.0		150.0
		780	810	Sqm	1	30.0	5.0	5.0	5.0		150.0
		810	840	Sqm	1	30.0	5.0	5.0	5.0		150.0
		840	870	Sqm	1	30.0	5.0	5.0	5.0		150.0
		870	900	Sqm	1	30.0	5.0	5.0	5.0		150.0
		900	930	Sqm	1	30.0	5.0	5.0	5.0		150.0
		930	960	Sqm	1	30.0	5.0	4.5	4.8		142.5
		960	990	Sqm	1	30.0	4.5	4.2	4.4		130.5
		990	1020	Sqm	1	30.0	4.2	4.0	4.1		123.0
		1020	1050	Sqm	1	30.0	4.0	3.0	3.5		105.0
		1050	1060	Sqm	1	10.0	3.0	4.0	3.5		35.0
		Bell mouth				1	22	19	28	23.5	517.0
<b>Manshetahalli</b>											
<b>Chainage 1080 to 2060 m LHS</b>											
		1080	1110	Sqm	1	30.0	3.5	5.0	4.3		127.5
		1110	1140	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1140	1170	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1170	1200	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1200	1230	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1230	1260	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1260	1290	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1290	1320	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1320	1350	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1350	1380	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1380	1410	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1410	1440	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1440	1470	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1470	1500	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1500	1530	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1530	1560	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1560	1590	Sqm	1	30.0	5.0	5.0	5.0		150.0
		1590	1620	Sqm	1	30.0	5.0	3.3	4.2		124.5
		1620	1650	Sqm	1	30.0	3.3	3.1	3.2		96.0
		1650	1680	Sqm	1	30.0	3.1	3.1	3.1		93.0
		1680	1710	Sqm	1	30.0	3.1	3.2	3.2		94.5
		1710	1740	Sqm	1	30.0	3.2	3.1	3.2		94.5

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Contractor  
Director

Section Engineer

Asst. Executive Engineer



Kanva cross road										
Chainage 0 to 350 m RHS										
		0	30	Sqm	1	30.0	13.1	11.8	12.4	372.8
		30	40	Sqm	1	10.0	11.8	11.3	11.5	115.3
		40	60	Sqm	1	20.0	11.3	8.7	10.0	200.0
		60	90	Sqm	1	30.0	8.7	8.5	8.6	258.0
		90	120	Sqm	1	30.0	8.5	8.3	8.4	252.0
		120	150	Sqm	1	30.0	8.3	8.0	8.2	244.5
		150	180	Sqm	1	30.0	8.0	8.1	8.1	241.5
		180	210	Sqm	1	30.0	8.1	8.2	8.2	244.5
		210	240	Sqm	1	30.0	8.2	7.5	7.9	235.5
		240	270	Sqm	1	30.0	7.5	8.5	8.0	240.0
		270	300	Sqm	1	30.0	8.5	7.5	8.0	240.0
		300	330	Sqm	1	30.0	7.5	7.5	7.5	225.0
		330	338	Sqm	1	8.0	7.5	7.5	7.5	60.0
Chainage 0 to 187 m RHS										
		0	30	Sqm	1	30.0	14.6	6.1	10.4	310.5
		30	60	Sqm	1	30.0	6.1	5.5	5.8	174.0
		60	90	Sqm	1	30.0	5.5	5.5	5.5	165.0
		90	120	Sqm	1	30.0	5.5	5.5	5.5	165.0
		120	150	Sqm	1	30.0	5.5	5.5	5.5	165.0
		150	180	Sqm	1	30.0	5.5	7.7	6.6	198.0
		180	187	Sqm	1	7.0	7.7	7.7	7.7	53.9
Bell mouth					1	5	5.7	3	4.4	21.8
Kengal Kanva										
Chainage 2060 to 3410 m LHS										
		2060	2090	Sqm	1	30.0	3.3	3.8	3.6	106.5
		2090	2120	Sqm	1	30.0	3.8	4.5	4.2	124.5
		2120	2150	Sqm	1	30.0	4.5	4.5	4.5	135.0
		2150	2180	Sqm	1	30.0	4.5	4.5	4.5	135.0
		2180	2210	Sqm	1	30.0	4.5	4.5	4.5	135.0
		2210	2240	Sqm	1	30.0	4.5	4.5	4.5	135.0
		2240	2270	Sqm	1	30.0	4.5	4.5	4.5	135.0
		2270	2300	Sqm	1	30.0	4.5	4.5	4.5	135.0
		2300	2330	Sqm	1	30.0	4.5	4.5	4.5	135.0
		2330	2360	Sqm	1	30.0	4.5	4.5	4.5	135.0
		2360	2390	Sqm	1	30.0	4.5	4.5	4.5	135.0
		2390	2420	Sqm	1	30.0	4.5	5.0	4.8	142.5
		2420	2450	Sqm	1	30.0	5.0	4.1	4.6	136.5
		2450	2480	Sqm	1	30.0	4.1	5.2	4.7	139.5
		2480	2510	Sqm	1	30.0	5.2	5.0	5.1	153.0
		2510	2540	Sqm	1	30.0	5.0	4.3	4.7	139.5
		2540	2570	Sqm	1	30.0	4.3	5.5	4.9	147.0
		2570	2600	Sqm	1	30.0	5.5	6.0	5.8	172.5
		2600	2630	Sqm	1	30.0	6.0	6.0	6.0	180.0
		2630	2660	Sqm	1	30.0	6.0	6.0	6.0	180.0
		2660	2690	Sqm	1	30.0	6.0	6.0	6.0	180.0
		2690	2720	Sqm	1	30.0	6.0	6.0	6.0	180.0
		2720	2750	Sqm	1	30.0	6.0	6.0	6.0	180.0
		2750	2780	Sqm	1	30.0	6.0	6.0	6.0	180.0
		2780	2810	Sqm	1	30.0	6.0	6.0	6.0	180.0
		2810	2840	Sqm	1	30.0	6.0	6.0	6.0	180.0
		2840	2870	Sqm	1	30.0	6.0	6.0	6.0	180.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer



	Kengal junction	2940	2970	Sqm	1	30.0	6.0	6.0	6.0	180.0
		2970	3000	Sqm	1	30.0	6.0	6.0	6.0	180.0
		3000	3030	Sqm	1	30.0	6.0	6.0	6.0	180.0
		3030	3060	Sqm	1	30.0	6.0	6.0	6.0	180.0
		3060	3090	Sqm	1	30.0	6.0	6.0	6.0	180.0
		3090	3120	Sqm	1	30.0	6.0	6.0	6.0	180.0
		3120	3150	Sqm	1	30.0	6.0	3.8	4.9	147.0
		3150	3180	Sqm	1	30.0	3.8	2.0	2.9	87.0
		3180	3190	Sqm	1	10.0	2.0	4.0	3.0	30.0
		3190	3220	Sqm	1	30.0	4.0	4.5	4.3	127.5
		3220	3250	Sqm	1	30.0	4.5	4.5	4.5	135.0
		3250	3280	Sqm	1	30.0	4.5	2.3	3.4	102.0
		3280	3310	Sqm	1	30.0	2.3	2.5	2.4	72.0
		3310	3340	Sqm	1	30.0	2.5	2.6	2.6	76.5
		3340	3370	Sqm	1	30.0	2.6	1.4	2.0	60.0
		3370	3400	Sqm	1	30.0	1.4	1.4	1.4	42.0
		3400	3430	Sqm	1	30.0	1.4	1.1	1.3	37.5
		3430	3460	Sqm	1	30.0	1.1	0.7	0.9	27.0
	Bell mouth @ 2915			Sqm	1	20.0	25.0	15.0	20.0	400.0
	<b>Kuvempu college</b>									
	<b>Chainage 3700 to 4330 m LHS</b>									
		3700	3730	Sqm	1	30.0	5.0	5.0	5.0	150.0
		3730	3760	Sqm	1	30.0	5.0	5.0	5.0	150.0
		3760	3790	Sqm	1	30.0	5.0	5.0	5.0	150.0
		3790	3820	Sqm	1	30.0	5.0	5.0	5.0	150.0
		3820	3850	Sqm	1	30.0	5.0	5.0	5.0	150.0
		3850	3880	Sqm	1	30.0	5.0	5.0	5.0	150.0
		3880	3910	Sqm	1	30.0	5.0	5.0	5.0	150.0
	KUVEMPU COLLEGE JUNCTION	3910	3940	Sqm	1	30.0	5.0	5.0	5.0	150.0
		3940	3970	Sqm	1	30.0	5.0	5.0	5.0	150.0
		3970	4000	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4000	4030	Sqm	1	30.0	5.0	5.0	5.0	150.0
		4030	4060	Sqm	1	30.0	5.0	3.0	4.0	120.0
		4060	4090	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4090	4120	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4120	4150	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4150	4180	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4180	4210	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4210	4240	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4240	4270	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4270	4300	Sqm	1	30.0	3.0	3.0	3.0	90.0
		4300	4330	Sqm	1	30.0	3.0	3.0	3.0	90.0
	<b>Chainage 3690 to 4320 m RHS</b>									
		3690	3720	Sqm	1	30.0	1.9	2.2	2.1	61.5
		3720	3750	Sqm	1	30.0	2.2	2.4	2.3	69.0
		3750	3780	Sqm	1	30.0	2.4	2.4	2.4	72.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer







		5950	5980	Sqm	1	30.0	5.0	5.0	5.0		150.0
<b>Chainage 5225 to 6005 m RHS</b>											
		5225	5255	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5255	5285	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5285	5315	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5315	5345	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5345	5375	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5375	5405	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5405	5435	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5435	5465	Sqm	1	30.0	5.0	5.0	5.0		150.0
		5465	5495	Sqm	1	30.0	5.0	4.0	4.5		135.0
		5495	5525	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5525	5555	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5555	5585	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5585	5615	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5615	5645	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5645	5675	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5675	5705	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5705	5735	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5735	5765	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5765	5795	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5795	5825	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5825	5855	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5855	5885	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5885	5915	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5915	5945	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5945	5975	Sqm	1	30.0	4.0	4.0	4.0		120.0
		5975	6005	Sqm	1	30.0	4.0	3.3	3.7		109.5
<b>Yarub nagar cross road</b>											
		0	30	Cum	1	30.0	13.0	4.3	8.7		259.5
		30	60	Cum	1	30.0	4.3	4.2	4.3		127.5
		60	90	Cum	1	30.0	4.2	4.2	4.2		126.0
		90	120	Cum	1	30.0	4.2	4.3	4.3		127.5
		120	150	Cum	1	30.0	4.3	4.2	4.3		127.5
		150	161	Cum	1	11.0	4.2	4.2	4.2		46.2
<b>Doddamallur Junction</b>											
<b>Chainage 0 to 175 m LHS</b>											
		0	30	Sqm	1	30.0	11.2	10.9	11.1		331.5
		30	60	Sqm	1	30.0	10.9	10.9	10.9		327.0
		60	90	Sqm	1	30.0	10.9	10.9	10.9		327.0
		90	120	Sqm	1	30.0	10.9	11.0	11.0		328.5
		120	150	Sqm	1	30.0	11.0	11.0	11.0		330.0
		150	175	Sqm	1	25.0	11.0	10.9	11.0		273.8
										<b>Total</b>	<b>79186.35</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>79186.35</b>

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer

Asst Executive Engineer

										BALANCE QNTY	0.00
Measurement recorded on : -											
15	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with										
	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2)/2	Depth (m)	Quantity	
<b>APMC Junction</b>											
<b>Chainage 0 to 457 m LHS</b>											
	0	30	Cum	1	30.0	9.7	11.0	10.4	0.05	15.5	
	30	60	Cum	1	30.0	11.0	11.0	11.0	0.05	16.5	
	60	90	Cum	1	30.0	11.0	10.4	10.7	0.05	16.1	
	90	120	Cum	1	30.0	10.4	9.8	10.1	0.05	15.2	
	120	150	Cum	1	30.0	9.8	10.4	10.1	0.05	15.2	
	150	180	Cum	1	30.0	10.4	13.6	12.0	0.05	18.0	
	180	210	Cum	1	30.0	13.6	11.0	12.3	0.05	18.5	
	210	240	Cum	1	30.0	11.0	11.0	11.0	0.05	16.5	
	240	270	Cum	1	30.0	11.0	12.3	11.7	0.05	17.5	
	270	300	Cum	1	30.0	12.3	9.8	11.1	0.05	16.6	
	300	330	Cum	1	30.0	9.8	9.0	9.4	0.05	14.1	
	330	360	Cum	1	30.0	9.0	9.8	9.4	0.05	14.1	
	360	390	Cum	1	30.0	9.8	9.6	9.7	0.05	14.6	
	390	420	Cum	1	30.0	9.6	11.6	10.6	0.05	15.9	
	420	450	Cum	1	30.0	11.6	10.6	11.1	0.05	16.7	
	450	457	Cum	1	7.0	10.6	10.3	10.5	0.05	3.7	
	Bell mouth	0	25	Cum	1	25.0	9.7	7.0	8.4	0.05	10.4
		25	38	Cum	1	13.0	7.0	7.0	7.0	0.05	4.6
	1			Cum	1	17.0	6.0	6.0	6.0	0.05	5.1
	2			Cum	1	13.0	7.0	7.0	7.0	0.05	4.6
	3			Cum	1	13.0	7.0	7.0	7.0	0.05	4.6
	circle	0	30	Cum	1	30.0	9.0	17.4	13.2	0.05	19.8
		30	60	Cum	1	30.0	17.4	17.0	17.2	0.05	25.8
		60	90	Cum	1	30.0	17.0	8.4	12.7	0.05	19.1
	circle	0	30	Cum	1	30.0	11.2	15.5	13.4	0.05	20.0
		30	60	Cum	1	30.0	15.5	31.0	23.3	0.05	34.9
	deduct				-1	3.4			3.4	0.05	-0.6
<b>Kanakapura cross</b>											
<b>Chainage 0 to 457 m LHS</b>											
	0	30	Cum	1	30.0	7.0	7.0	7.0	0.05	10.5	
	30	60	Cum	1	30.0	7.0	7.3	7.2	0.05	10.7	
	60	90	Cum	1	30.0	7.3	7.3	7.3	0.05	11.0	
	90	120	Cum	1	30.0	7.3	7.3	7.3	0.05	11.0	
	120	150	Cum	1	30.0	7.3	7.3	7.3	0.05	11.0	
	150	180	Cum	1	30.0	7.3	7.3	7.3	0.05	11.0	
	180	210	Cum	1	30.0	7.3	7.3	7.3	0.05	11.0	
	210	240	Cum	1	30.0	7.3	7.3	7.3	0.05	11.0	

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Contractor  
Director

Section Engineer

Asst. Executive Engineer

		240	270	Cum	1	30.0	7.3	7.3	7.3	0.05	11.0
		270	300	Cum	1	30.0	7.3	10.5	8.9	0.05	13.4
		300	325	Cum	1	25.0	10.5	9.1	9.8	0.05	12.3
	<b>Bridge</b>	325	348	Cum	1	23.0	9.1	7.3	8.2	0.05	9.4
		348	360	Cum	1	12.0	7.3	8.4	7.9	0.05	4.7
		360	386	Cum	1	26.0	8.4	8.6	8.5	0.05	11.1
		386	390	Cum	1	4.0	8.6	6.5	7.6	0.05	1.5
		390	420	Cum	1	30.0	6.5	6.3	6.4	0.05	9.6
		420	450	Cum	1	30.0	6.3	6.5	6.4	0.05	9.6
		450	480	Cum	1	30.0	6.5	6.5	6.5	0.05	9.8
		480	510	Cum	1	30.0	6.5	6.5	6.5	0.05	9.8
		510	540	Cum	1	30.0	6.5	6.4	6.5	0.05	9.7
		540	570	Cum	1	30.0	6.4	6.0	6.2	0.05	9.3
	<b>Chainage 0 to 153 m LHS</b>										
		0	22	Cum	1	22.0	24.0	9.0	16.5	0.05	18.2
		22	30	Cum	1	8.0	9.0	7.0	8.0	0.05	3.2
		30	60	Cum	1	30.0	7.0	7.0	7.0	0.05	10.5
		60	90	Cum	1	30.0	7.0	7.0	7.0	0.05	10.5
		90	120	Cum	1	30.0	7.0	7.0	7.0	0.05	10.5
		120	150	Cum	1	30.0	7.0	7.0	7.0	0.05	10.5
		150	153	Cum	1	3.0	7.0	5.8	6.4	0.05	1.0
	<b>Janapadaloka towards bangalore</b>										
	<b>Chainage 0 to 700 m LHS</b>										
		0	30	Cum	1	30.0	4.1	3.2	3.7	0.10	11.0
		30	60	Cum	1	30.0	3.2	3.1	3.2	0.10	9.5
		60	90	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		90	120	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		120	150	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		150	180	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		180	210	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		210	240	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		240	270	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		270	300	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		300	330	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		330	360	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		360	390	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		390	420	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		420	450	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		450	480	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		480	510	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		510	520	Cum	1	10.0	3.1	2.2	2.7	0.10	2.7
		520	526	Cum	1	6.0	2.2	2.6	2.4	0.10	1.4
		526	540	Cum	1	14.0	2.6	3.1	2.9	0.10	4.0
		540	570	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		570	600	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		600	630	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		630	660	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		660	690	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
		690	700	Cum	1	10.0	3.1	3.1	3.1	0.10	3.1
	<b>Chainage 0 to 744 m RHS</b>										

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer

Asst. Executive Engineer

		190	210	Cum	1	20.0	2.1	2.9	2.5	0.10	5.0
		210	240	Cum	1	30.0	2.9	3.1	3.0	0.10	9.0
		240	270	Cum	1	30.0	3.1	4.0	3.6	0.10	10.7
		270	300	Cum	1	30.0	4.0	3.7	3.9	0.10	11.6
		300	330	Cum	1	30.0	3.7	3.7	3.7	0.10	11.1
		330	360	Cum	1	30.0	3.7	3.8	3.8	0.10	11.3
		360	390	Cum	1	30.0	3.8	3.8	3.8	0.10	11.4
		390	420	Cum	1	30.0	3.8	3.7	3.8	0.10	11.3
		420	450	Cum	1	30.0	3.7	3.7	3.7	0.10	11.1
		450	480	Cum	1	30.0	3.7	4.0	3.9	0.10	11.6
		480	510	Cum	1	30.0	4.0	3.7	3.9	0.10	11.6
		510	520	Cum	1	10.0	3.7	2.3	3.0	0.10	3.0
		520	526	Cum	1	6.0	2.3	2.3	2.3	0.10	1.4
		526	540	Cum	1	14.0	2.3	3.5	2.9	0.10	4.1
		540	570	Cum	1	30.0	3.5	3.3	3.4	0.10	10.2
		570	600	Cum	1	30.0	3.3	3.2	3.3	0.10	9.8
		600	630	Cum	1	30.0	3.2	3.5	3.4	0.10	10.1
		630	660	Cum	1	30.0	3.5	3.3	3.4	0.10	10.2
		660	690	Cum	1	30.0	3.3	3.3	3.3	0.10	9.9
		690	720	Cum	1	30.0	3.3	3.4	3.4	0.10	10.1
		720	744	Cum	1	24.0	3.4	3.4	3.4	0.10	8.2
		<b>Janapadaloka towards bangalore</b>									
		<b>Chainage 102 to 240 m RHS</b>									
		102	120	Cum	1	18.0	4.0	4.0	4.0	0.10	7.2
		120	150	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		150	180	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		180	210	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		210	240	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		<b>Janapada Loka</b>									
		<b>Chainage 0 to 660 m LHS</b>									
		0	30	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		30	60	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		60	90	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		90	120	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		120	150	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		150	180	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		180	210	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		210	240	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		240	270	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		270	300	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		300	330	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		330	360	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		360	390	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		390	420	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		420	450	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		450	480	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		480	510	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		510	540	Cum	1	30.0	5.0	3.0	4.0	0.10	12.0
		540	570	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		570	600	Cum	1	30.0	3.0	4.0	3.5	0.10	10.5
		600	630	Cum	1	30.0	4.0	4.1	4.1	0.10	12.2

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Contractor  
Director

Section Engineer

Asst Executive Engineer

		630	660	Cum	1	30.0	4.1	4.1	4.1	0.10	12.3
<b>Chainage 0 to 660 m RHS</b>											
		0	30	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		30	60	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		60	90	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		90	102	Cum	1	12.0	5.0	2.2	3.6	0.10	4.3
		102	120	Cum	1	18.0	2.2	2.1	2.2	0.10	3.9
		120	150	Cum	1	30.0	2.1	2.0	2.1	0.10	6.2
		150	180	Cum	1	30.0	2.0	2.1	2.1	0.10	6.2
		180	210	Cum	1	30.0	2.1	2.0	2.1	0.10	6.2
		210	240	Cum	1	30.0	2.0	4.0	3.0	0.10	9.0
		240	270	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		270	300	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		300	330	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		330	360	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		360	390	Cum	1	30.0	4.0	5.0	4.5	0.10	13.5
		390	420	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		420	450	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		450	480	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		480	510	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		510	540	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		540	570	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		570	600	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		600	630	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		630	660	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
<b>B G S school road</b>											
		0	30	Cum	2	30.0	13.0	10.0	11.5	0.05	34.5
		30	60	Cum	2	30.0	10.0	13.0	11.5	0.05	34.5
<b>Government Polytechnic</b>											
		Bell mouth			1	9	20.3	4.7	12.5	0.10	11.3
<b>Forest office</b>											
<b>Chainage 0 to 107 m</b>											
		0	30	Cum	1	30.0	4.3	4.5	4.4	0.05	6.6
		30	60	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		60	90	Cum	1	30.0	4.5	4.6	4.6	0.05	6.8
		90	107	Cum	1	17.0	4.6	4.5	4.6	0.05	3.9
		Bell mouth			1	4	4.6	6	5.3	0.05	1.1
<b>Govt. Engineering College</b>											
<b>Chainage 660 to 990 m LHS</b>											
		660	690	Cum	1	30.0	4.1	5.0	4.6	0.10	13.7
		690	720	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		720	750	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		750	780	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		780	810	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		810	840	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		840	870	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		870	900	Cum	1	30.0	5.0	4.5	4.8	0.10	14.3
		900	930	Cum	1	30.0	4.5	5.0	4.8	0.10	14.3
		930	960	Cum	1	30.0	5.0	4.0	4.5	0.10	13.5
		960	990	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer

Asst-Executive Engineer

	990	1020	Cum	1	30.0	4.0	3.5	3.8	0.10	11.3
	1020	1050	Cum	1	30.0	3.5	3.5	3.5	0.10	10.5
	1050	1080	Cum	1	30.0	3.5	3.5	3.5	0.10	10.5
	<b>Chainage 660 to 990 m RHS</b>									
	660	690	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	690	720	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	720	750	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	750	780	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	780	810	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	810	840	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	840	870	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	870	900	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	900	930	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	930	960	Cum	1	30.0	5.0	4.5	4.8	0.10	14.3
	960	990	Cum	1	30.0	4.5	4.2	4.4	0.10	13.1
	990	1020	Cum	1	30.0	4.2	4.0	4.1	0.10	12.3
	1020	1050	Cum	1	30.0	4.0	3.0	3.5	0.10	10.5
	1050	1060	Cum	1	10.0	3.0	4.0	3.5	0.10	3.5
	<b>Bell mouth</b>			1	22	19	28	23.5	0.10	51.7
	<b>Manshetahalli</b>									
	<b>Chainage 1080 to 2060 m LHS</b>									
	1080	1110	Cum	1	30.0	3.5	5.0	4.3	0.10	12.8
	1110	1140	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1140	1170	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1170	1200	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1200	1230	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1230	1260	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1260	1290	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1290	1320	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1320	1350	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1350	1380	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1380	1410	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1410	1440	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1440	1470	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1470	1500	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1500	1530	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1530	1560	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1560	1590	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	1590	1620	Cum	1	30.0	5.0	3.3	4.2	0.10	12.5
	1620	1650	Cum	1	30.0	3.3	3.1	3.2	0.10	9.6
	1650	1680	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
	1680	1710	Cum	1	30.0	3.1	3.2	3.2	0.10	9.5
	1710	1740	Cum	1	30.0	3.2	3.1	3.2	0.10	9.5
	1740	1770	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
	1770	1800	Cum	1	30.0	3.1	3.2	3.2	0.10	9.5
	1800	1830	Cum	1	30.0	3.2	3.1	3.2	0.10	9.5
	1830	1860	Cum	1	30.0	3.1	3.2	3.2	0.10	9.5
	1860	1890	Cum	1	30.0	3.2	3.1	3.2	0.10	9.5
	1890	1920	Cum	1	30.0	3.1	3.1	3.1	0.10	9.3
	1920	1950	Cum	1	30.0	3.1	3.2	3.2	0.10	9.5
	1950	1980	Cum	1	30.0	3.2	3.3	3.3	0.10	9.8

KPI CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer

Asst. Executive Engineer



		1980	2010	Cum	1	30.0	3.3	3.2	3.3	0.10	9.8
		2010	2040	Cum	1	30.0	3.2	3.2	3.2	0.10	9.6
		2040	2060	Cum	1	20.0	3.2	3.3	3.3	0.10	6.5
		<b>Chainage 1060 to 2045 m RHS</b>									
		1060	1085	Cum	1	25.0	4.0	5.0	4.5	0.10	11.3
		1085	1115	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		1115	1145	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		1145	1175	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		1175	1205	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		1205	1235	Cum	1	30.0	5.0	4.5	4.8	0.10	14.3
		1235	1265	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5
		1265	1295	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5
		1295	1325	Cum	1	30.0	4.5	5.0	4.8	0.10	14.3
		1325	1355	Cum	1	30.0	5.0	5.2	5.1	0.10	15.3
		1355	1385	Cum	1	30.0	5.2	5.2	5.2	0.10	15.6
		1385	1415	Cum	1	30.0	5.2	5.3	5.3	0.10	15.8
		1415	1445	Cum	1	30.0	5.3	5.2	5.3	0.10	15.8
		1445	1475	Cum	1	30.0	5.2	5.5	5.4	0.10	16.1
		1475	1505	Cum	1	30.0	5.5	5.6	5.6	0.10	16.7
		1505	1535	Cum	1	30.0	5.6	5.6	5.6	0.10	16.8
		1535	1565	Cum	1	30.0	5.6	5.8	5.7	0.10	17.1
		1565	1595	Cum	1	30.0	5.8	5.6	5.7	0.10	17.1
		1595	1625	Cum	1	30.0	5.6	5.2	5.4	0.10	16.2
		1625	1655	Cum	1	30.0	5.2	5.5	5.4	0.10	16.1
		1655	1685	Cum	1	30.0	5.5	5.5	5.5	0.10	16.5
		1685	1715	Cum	1	30.0	5.5	5.5	5.5	0.10	16.5
		1715	1745	Cum	1	30.0	5.5	5.5	5.5	0.10	16.5
		1745	1775	Cum	1	30.0	5.5	5.5	5.5	0.10	16.5
		1775	1805	Cum	1	30.0	5.5	5.5	5.5	0.10	16.5
		1805	1835	Cum	1	30.0	5.5	5.5	5.5	0.10	16.5
		1835	1865	Cum	1	30.0	5.5	6.0	5.8	0.10	17.3
		1865	1895	Cum	1	30.0	6.0	5.0	5.5	0.10	16.5
		1895	1925	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		1925	1955	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		1955	1985	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		1985	2015	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		2015	2045	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
											0.0
		<b>Forest office</b>									
		<b>Chainage 0 to 95 m</b>									
		0	30	Cum	1	30	8.5	5.9	7.2	0.05	10.8
		30	60	Cum	1	30	5.9	5.5	5.7	0.05	8.6
		60	90	Cum	1	30	5.5	4.3	4.9	0.05	7.4
		90	95	Cum	1	5	4.3	4.3	4.3	0.05	1.1
		<b>Kanva cross road</b>									
		<b>Chainage 0 to 350 m RHS</b>									
		0	30	Cum	1	30.0	13.1	11.8	12.4	0.05	18.6
		30	40	Cum	1	10.0	11.8	11.3	11.5	0.05	5.8
		40	60	Cum	1	20.0	11.3	8.7	10.0	0.05	10.0
		60	90	Cum	1	30.0	8.7	8.5	8.6	0.05	12.9
		90	120	Cum	1	30.0	8.5	8.3	8.4	0.05	12.6
		120	150	Cum	1	30.0	8.3	8.0	8.2	0.05	12.2

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Contractor  
Director

Section Engineer

Asst Executive Engineer

		150	180	Cum	1	30.0	8.0	8.1	8.1	0.05	12.1	
		180	210	Cum	1	30.0	8.1	8.2	8.2	0.05	12.2	
		210	240	Cum	1	30.0	8.2	7.5	7.9	0.05	11.8	
		240	270	Cum	1	30.0	7.5	8.5	8.0	0.05	12.0	
		270	300	Cum	1	30.0	8.5	7.5	8.0	0.05	12.0	
		300	330	Cum	1	30.0	7.5	7.5	7.5	0.05	11.3	
		330	338	Cum	1	8.0	7.5	7.5	7.5	0.05	3.0	
		<b>Chainage 0 to 187 m RHS</b>										
		0	30	Cum	1	30.0	14.6	6.1	10.4	0.05	15.5	
		30	60	Cum	1	30.0	6.1	5.5	5.8	0.05	8.7	
		60	90	Cum	1	30.0	5.5	5.5	5.5	0.05	8.3	
		90	120	Cum	1	30.0	5.5	5.5	5.5	0.05	8.3	
		120	150	Cum	1	30.0	5.5	5.5	5.5	0.05	8.3	
		150	180	Cum	1	30.0	5.5	7.7	6.6	0.05	9.9	
		180	187	Cum	1	7.0	7.7	7.7	7.7	0.05	2.7	
		<b>Bell mouth</b>				1	5	5.7	3	4.4	0.05	1.1
		<b>Kengal Kanva</b>										
		<b>Chainage 2060 to 3410 m LHS</b>										
		2060	2090	Cum	1	30.0	3.3	3.8	3.6	0.10	10.7	
		2090	2120	Cum	1	30.0	3.8	4.5	4.2	0.10	12.5	
		2120	2150	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5	
		2150	2180	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5	
		2180	2210	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5	
		2210	2240	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5	
		2240	2270	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5	
		2270	2300	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5	
		2300	2330	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5	
		2330	2360	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5	
		2360	2390	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5	
		2390	2420	Cum	1	30.0	4.5	5.0	4.8	0.10	14.3	
		2420	2450	Cum	1	30.0	5.0	4.1	4.6	0.10	13.7	
		2450	2480	Cum	1	30.0	4.1	5.2	4.7	0.10	14.0	
		2480	2510	Cum	1	30.0	5.2	5.0	5.1	0.10	15.3	
		2510	2540	Cum	1	30.0	5.0	4.3	4.7	0.10	14.0	
		2540	2570	Cum	1	30.0	4.3	5.5	4.9	0.10	14.7	
		2570	2600	Cum	1	30.0	5.5	6.0	5.8	0.10	17.3	
		2600	2630	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2630	2660	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2660	2690	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2690	2720	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2720	2750	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2750	2780	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2780	2810	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2810	2840	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2840	2870	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2870	2900	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2900	2930	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
	<b>Kengal junction</b>	2930	2960	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2960	2990	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		2990	3020	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		3020	3050	Cum	1	30.0	6.0	6.0	6.0	0.10	18.0	
		3050	3080	Cum	1	30.0	6.0	3.8	4.9	0.10	14.7	

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Section Engineer

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		3150	3180	Cum	1	30.0	3.8	2.0	2.9	0.10	8.7
		3180	3190	Cum	1	10.0	2.0	4.0	3.0	0.10	3.0
		3190	3220	Cum	1	30.0	4.0	4.5	4.3	0.10	12.8
		3220	3250	Cum	1	30.0	4.5	4.5	4.5	0.10	13.5
		3250	3280	Cum	1	30.0	4.5	2.3	3.4	0.10	10.2
		3280	3310	Cum	1	30.0	2.3	2.5	2.4	0.10	7.2
		3310	3340	Cum	1	30.0	2.5	2.6	2.6	0.10	7.7
		3340	3370	Cum	1	30.0	2.6	1.4	2.0	0.10	6.0
		3370	3400	Cum	1	30.0	1.4	1.4	1.4	0.10	4.2
		3400	3430	Cum	1	30.0	1.4	1.1	1.3	0.10	3.8
		3430	3460	Cum	1	30.0	1.1	0.7	0.9	0.10	2.7
		Bell mouth @ 2915		Cum	1	20.0	25.0	15.0	20.0	0.10	40.0
		Kuvempu college									
		Chainage 3700 to 4330 m LHS									
		3700	3730	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		3730	3760	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		3760	3790	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		3790	3820	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		3820	3850	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		3850	3880	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		3880	3910	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
	KUVEMPU COLLEGE JUNCTION	3910	3940	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		3940	3970	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		3970	4000	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		4000	4030	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		4030	4060	Cum	1	30.0	5.0	3.0	4.0	0.10	12.0
		4060	4090	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4090	4120	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4120	4150	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4150	4180	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4180	4210	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4210	4240	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4240	4270	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4270	4300	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4300	4330	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		Chainage 3690 to 4320 m RHS									
		3690	3720	Cum	1	30.0	1.9	2.2	2.1	0.10	6.2
		3720	3750	Cum	1	30.0	2.2	2.4	2.3	0.10	6.9
		3750	3780	Cum	1	30.0	2.4	2.4	2.4	0.10	7.2
		3780	3810	Cum	1	30.0	2.4	3.2	2.8	0.10	8.4
		3810	3840	Cum	1	30.0	3.2	3.0	3.1	0.10	9.3
		3840	3870	Cum	1	30.0	3.0	2.3	2.7	0.10	8.0
		3870	3900	Cum	1	30.0	2.3	3.0	2.7	0.10	8.0
		3900	3930	Cum	1	30.0	3.0	4.0	3.5	0.10	10.5

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Section Engineer

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	KUVEMPU COLLEGE JUNCTION	3930	3960	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		3960	3990	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		3990	4020	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		4020	4050	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		4050	4080	Cum	1	30.0	4.0	5.0	4.5	0.10	13.5
		4080	4110	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		4110	4140	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		4140	4170	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		4170	4200	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		4200	4230	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		4230	4260	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		4260	4290	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
		4290	4320	Cum	1	30.0	5.0	5.0	5.0	0.10	15.0
<b>Vandarakuppe gate</b>											
<b>Chainage 4330 to 5230 m LHS</b>											
		4330	4360	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4360	4390	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4390	4420	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4420	4450	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
	Vandarakup pe gate	4450	4480	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4480	4510	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4510	4540	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4540	4570	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4570	4600	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4600	4630	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4630	4660	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4660	4690	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4690	4720	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4720	4750	Cum	1	30.0	3.0	3.0	3.0	0.10	9.0
		4750	4770	Cum	1	20.0	3.0	3.0	3.0	0.10	6.0
	PTC	4770 - 4930									
		4930	4960	Cum	1	30.0	3.5	3.5	3.5	0.10	10.5
		4960	4990	Cum	1	30.0	3.5	3.5	3.5	0.10	10.5
		4990	5020	Cum	1	30.0	3.5	3.5	3.5	0.10	10.5
		5020	5050	Cum	1	30.0	3.5	3.5	3.5	0.10	10.5
		5050	5080	Cum	1	30.0	3.5	3.5	3.5	0.10	10.5
		5080	5110	Cum	1	30.0	3.5	4.0	3.8	0.10	11.3
		5110	5140	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		5140	5170	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		5170	5200	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		5200	5230	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
<b>Chainage 4320 to 5200 m RHS</b>											
		4320	4350	Cum	1	30.0	5.0	4.0	4.5	0.10	13.5
		4350	4380	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		4380	4410	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0
		4410	4440	Cum	1	30.0	4.0	4.0	4.0	0.10	12.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer





	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2) /2	Depth (m)	Quantity
16 KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision : using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen (Pg No: 162. INo. 21.22.6)										
<b>APMC Junction</b>										
<b>Chainage 0 to 457 m LHS</b>										
	0	30	Cum	1	30.0	9.7	11.0	10.4	0.04	12.4
	30	60	Cum	1	30.0	11.0	11.0	11.0	0.04	13.2
	60	90	Cum	1	30.0	11.0	10.4	10.7	0.04	12.8
	90	120	Cum	1	30.0	10.4	9.8	10.1	0.04	12.1
	120	150	Cum	1	30.0	9.8	10.4	10.1	0.04	12.1
	150	180	Cum	1	30.0	10.4	13.6	12.0	0.04	14.4
	180	210	Cum	1	30.0	13.6	11.0	12.3	0.04	14.8
	210	240	Cum	1	30.0	11.0	11.0	11.0	0.04	13.2
	240	270	Cum	1	30.0	11.0	12.3	11.7	0.04	14.0
	270	300	Cum	1	30.0	12.3	9.8	11.1	0.04	13.3
	300	330	Cum	1	30.0	9.8	9.0	9.4	0.04	11.3
	330	360	Cum	1	30.0	9.0	9.8	9.4	0.04	11.3
	360	390	Cum	1	30.0	9.8	9.6	9.7	0.04	11.6
	390	420	Cum	1	30.0	9.6	11.6	10.6	0.04	12.7
	420	450	Cum	1	30.0	11.6	10.6	11.1	0.04	13.3
	450	457	Cum	1	7.0	10.6	10.3	10.5	0.04	2.9
Bell mouth	0	25	Cum	1	25.0	9.7	7.0	8.4	0.04	8.4
	25	38	Cum	1	13.0	7.0	7.0	7.0	0.04	3.6
	1		Cum	1	17.0	6.0	6.0	6.0	0.04	4.1
	2		Cum	1	13.0	7.0	7.0	7.0	0.04	3.6
	3		Cum	1	13.0	7.0	7.0	7.0	0.04	3.6
circle	0	30	Cum	1	30.0	9.0	17.4	13.2	0.04	15.8
	30	60	Cum	1	30.0	17.4	17.0	17.2	0.04	20.6
	60	90	Cum	1	30.0	17.0	8.4	12.7	0.04	15.2
circle	0	30	Cum	1	30.0	11.2	15.5	13.4	0.04	16.0
	30	60	Cum	1	30.0	15.5	31.0	23.3	0.04	27.9
deduct				-1	3.4			3.4	0.04	-0.5
opposite PWD office Ramanagara(old BM road)										
	0	30	Cum	1	30.0	3.5	3.5	3.5	0.04	4.2
	30	50	Cum	1	20.0	3.5	3.5	3.5	0.04	2.8
<b>Kanakapura cross</b>										
<b>Chainage 0 to 457 m LHS</b>										
	0	30	Cum	1	30.0	7.0	7.0	7.0	0.04	8.4
	30	60	Cum	1	30.0	7.0	7.3	7.2	0.04	8.6
	60	90	Cum	1	30.0	7.3	7.3	7.3	0.04	8.8
	90	120	Cum	1	30.0	7.3	7.3	7.3	0.04	8.8

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Contractor  
Director

Section Engineer

Asst Executive Engineer



		120	150	Cum	1	30.0	7.3	7.3	7.3	0.04	8.8
		150	180	Cum	1	30.0	7.3	7.3	7.3	0.04	8.8
		180	210	Cum	1	30.0	7.3	7.3	7.3	0.04	8.8
		210	240	Cum	1	30.0	7.3	7.3	7.3	0.04	8.8
		240	270	Cum	1	30.0	7.3	7.3	7.3	0.04	8.8
		270	300	Cum	1	30.0	7.3	10.5	8.9	0.04	10.7
		300	325	Cum	1	25.0	10.5	9.1	9.8	0.04	9.8
	<b>Bridge</b>	325	348	Cum	1	23.0	9.1	7.3	8.2	0.04	7.5
		348	360	Cum	1	12.0	7.3	8.4	7.9	0.04	3.8
		360	386	Cum	1	26.0	8.4	8.6	8.5	0.04	8.8
		386	390	Cum	1	4.0	8.6	6.5	7.6	0.04	1.2
		390	420	Cum	1	30.0	6.5	6.3	6.4	0.04	7.7
		420	450	Cum	1	30.0	6.3	6.5	6.4	0.04	7.7
		450	480	Cum	1	30.0	6.5	6.5	6.5	0.04	7.8
		480	510	Cum	1	30.0	6.5	6.5	6.5	0.04	7.8
		510	540	Cum	1	30.0	6.5	6.4	6.5	0.04	7.7
		540	570	Cum	1	30.0	6.4	6.0	6.2	0.04	7.4
	<b>Chainage 0 to 153 m LHS</b>										
		0	22	Cum	1	22.0	24.0	9.0	16.5	0.04	14.5
		22	30	Cum	1	8.0	9.0	7.0	8.0	0.04	2.6
		30	60	Cum	1	30.0	7.0	7.0	7.0	0.04	8.4
		60	90	Cum	1	30.0	7.0	7.0	7.0	0.04	8.4
		90	120	Cum	1	30.0	7.0	7.0	7.0	0.04	8.4
		120	150	Cum	1	30.0	7.0	7.0	7.0	0.04	8.4
		150	153	Cum	1	3.0	7.0	5.8	6.4	0.04	0.8
	<b>Janapadaloka towards</b>										
	<b>Chainage 0 to 700 m LHS</b>										
		0	30	Cum	1	30.0	4.1	3.2	3.7	0.05	5.5
		30	60	Cum	1	30.0	3.2	3.1	3.2	0.05	4.7
		60	90	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		90	120	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		120	150	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		150	180	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		180	210	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		210	240	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		240	270	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		270	300	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		300	330	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		330	360	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		360	390	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		390	420	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		420	450	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		450	480	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		480	510	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		510	520	Cum	1	10.0	3.1	2.2	2.7	0.05	1.3
		520	526	Cum	1	6.0	2.2	2.6	2.4	0.05	0.7
		526	540	Cum	1	14.0	2.6	3.1	2.9	0.05	2.0
		540	570	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		570	600	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		600	630	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		630	660	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		660	690	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7

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Contractor  
Director

Section Engineer

Asst. Executive Engineer

	690	700	Cum	1	10.0	3.1	3.1	3.1	0.05	1.6
<b>Chainage 0 to 744 m RHS</b>										
	190	210	Cum	1	20.0	2.1	2.9	2.5	0.05	2.5
	210	240	Cum	1	30.0	2.9	3.1	3.0	0.05	4.5
	240	270	Cum	1	30.0	3.1	4.0	3.6	0.05	5.3
	270	300	Cum	1	30.0	4.0	3.7	3.9	0.05	5.8
	300	330	Cum	1	30.0	3.7	3.7	3.7	0.05	5.6
	330	360	Cum	1	30.0	3.7	3.8	3.8	0.05	5.6
	360	390	Cum	1	30.0	3.8	3.8	3.8	0.05	5.7
	390	420	Cum	1	30.0	3.8	3.7	3.8	0.05	5.6
	420	450	Cum	1	30.0	3.7	3.7	3.7	0.05	5.6
	450	480	Cum	1	30.0	3.7	4.0	3.9	0.05	5.8
	480	510	Cum	1	30.0	4.0	3.7	3.9	0.05	5.8
	510	520	Cum	1	10.0	3.7	2.3	3.0	0.05	1.5
	520	526	Cum	1	6.0	2.3	2.3	2.3	0.05	0.7
	526	540	Cum	1	14.0	2.3	3.5	2.9	0.05	2.0
	540	570	Cum	1	30.0	3.5	3.3	3.4	0.05	5.1
	570	600	Cum	1	30.0	3.3	3.2	3.3	0.05	4.9
	600	630	Cum	1	30.0	3.2	3.5	3.4	0.05	5.0
	630	660	Cum	1	30.0	3.5	3.3	3.4	0.05	5.1
	660	690	Cum	1	30.0	3.3	3.3	3.3	0.05	5.0
	690	720	Cum	1	30.0	3.3	3.4	3.4	0.05	5.0
	720	744	Cum	1	24.0	3.4	3.4	3.4	0.05	4.1
			Cum							
<b>Janapadaloka towards bangalore</b>										
<b>Chainage 102 to 240 m RHS</b>										
	102	120	Cum	1	18.0	4.0	4.0	4.0	0.05	3.6
	120	150	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
	150	180	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
	180	210	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
	210	240	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
<b>Janapada Loka</b>										
<b>Chainage 0 to 660 m LHS</b>										
	0	30	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	30	60	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	60	90	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	90	120	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	120	150	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	150	180	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	180	210	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	210	240	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	240	270	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	270	300	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	300	330	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	330	360	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	360	390	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	390	420	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	420	450	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	450	480	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	480	510	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	510	540	Cum	1	30.0	5.0	3.0	4.0	0.05	6.0

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Contractor  
Director

Section Engineer

Asst Executive Engineer

	540	570	Cum	1	30.0	3.0	3.0	3.0	0.05	4.5
	570	600	Cum	1	30.0	3.0	4.0	3.5	0.05	5.3
	600	630	Cum	1	30.0	4.0	4.1	4.1	0.05	6.1
	630	660	Cum	1	30.0	4.1	4.1	4.1	0.05	6.2
<b>Chainage 0 to 660 m RHS</b>										
	0	30	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	30	60	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	60	90	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	90	102	Cum	1	12.0	5.0	2.2	3.6	0.05	2.2
	102	120	Cum	1	18.0	2.2	2.1	2.2	0.05	1.9
	120	150	Cum	1	30.0	2.1	2.0	2.1	0.05	3.1
	150	180	Cum	1	30.0	2.0	2.1	2.1	0.05	3.1
	180	210	Cum	1	30.0	2.1	2.0	2.1	0.05	3.1
	210	240	Cum	1	30.0	2.0	4.0	3.0	0.05	4.5
	240	270	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
	270	300	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
	300	330	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
	330	360	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
	360	390	Cum	1	30.0	4.0	5.0	4.5	0.05	6.8
	390	420	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	420	450	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	450	480	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	480	510	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	510	540	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	540	570	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	570	600	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	600	630	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
	630	660	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
<b>B G S school road</b>										
	0	30	Cum	2	30.0	13.0	10.0	11.5	0.04	27.6
	30	60	Cum	2	30.0	10.0	13.0	11.5	0.04	27.6
<b>Government Polytechnic</b>										
<b>Bell mouth</b>				1	9	20.3	4.7	12.5	0.05	5.6
<b>approach near DC home</b>										
	0	30	Cum	1	30.0	5.0	5.5	5.3	0.04	6.3
	30	60	Cum	1	30.0	5.5	5.5	5.5	0.04	6.6
	60	90	Cum	1	30.0	4.1	3.8	3.9	0.04	4.7
	90	120	Cum	1	30.0	3.8	5.3	4.5	0.04	5.4
	120	150	Cum	1	30.0	5.3	4.4	4.9	0.04	5.8
	150	176	Cum	1	26.0	4.4	4.4	4.4	0.04	4.6
<b>Bell mouth</b>				1	11.7	6.6	7	6.8	0.04	3.2
<b>Forest office</b>										
<b>Chainage 0 to 107 m</b>										
	0	30	Cum	1	30.0	4.3	4.5	4.4	0.04	5.3
	30	60	Cum	1	30.0	4.5	4.5	4.5	0.04	5.4
	60	90	Cum	1	30.0	4.5	4.6	4.6	0.04	5.5
	90	107	Cum	1	17.0	4.6	4.5	4.6	0.04	3.1
<b>Bell mouth</b>				1	4	4.6	6	5.3	0.04	0.8
<b>Govt. Engineering College</b>										
<b>Chainage 660 to 990 m LHS</b>										

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Contractor  
**Director**

Section Engineer

Asst Executive Engineer

		660	690	Cum	1	30.0	4.1	5.0	4.6	0.05	6.8
		690	720	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		720	750	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		750	780	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		780	810	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		810	840	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		840	870	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		870	900	Cum	1	30.0	5.0	4.5	4.8	0.05	7.1
		900	930	Cum	1	30.0	4.5	5.0	4.8	0.05	7.1
		930	960	Cum	1	30.0	5.0	4.0	4.5	0.05	6.8
		960	990	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		990	1020	Cum	1	30.0	4.0	3.5	3.8	0.05	5.6
		1020	1050	Cum	1	30.0	3.5	3.5	3.5	0.05	5.3
		1050	1080	Cum	1	30.0	3.5	3.5	3.5	0.05	5.3
		<b>Chainage 660 to 990 m RHS</b>									
		660	690	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		690	720	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		720	750	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		750	780	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		780	810	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		810	840	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		840	870	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		870	900	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		900	930	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		930	960	Cum	1	30.0	5.0	4.5	4.8	0.05	7.1
		960	990	Cum	1	30.0	4.5	4.2	4.4	0.05	6.5
		990	1020	Cum	1	30.0	4.2	4.0	4.1	0.05	6.2
		1020	1050	Cum	1	30.0	4.0	3.0	3.5	0.05	5.3
		1050	1060	Cum	1	10.0	3.0	4.0	3.5	0.05	1.8
		<b>Bell mouth</b>			1	22	19	28	23.5	0.05	25.9
		<b>Manshetahalli</b>									
		<b>Chainage 1080 to 2060 m LHS</b>									
		1080	1110	Cum	1	30.0	3.5	5.0	4.3	0.05	6.4
		1110	1140	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1140	1170	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1170	1200	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1200	1230	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1230	1260	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1260	1290	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1290	1320	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1320	1350	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1350	1380	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1380	1410	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1410	1440	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1440	1470	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1470	1500	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1500	1530	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1530	1560	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1560	1590	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1590	1620	Cum	1	30.0	5.0	3.3	4.2	0.05	6.2
		1620	1650	Cum	1	30.0	3.3	3.1	3.2	0.05	4.8

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Contractor  
Director

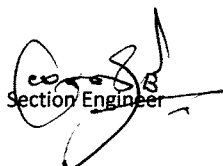
Section Engineer

Asst. Executive Engineer

		1650	1680	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		1680	1710	Cum	1	30.0	3.1	3.2	3.2	0.05	4.7
		1710	1740	Cum	1	30.0	3.2	3.1	3.2	0.05	4.7
		1740	1770	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		1770	1800	Cum	1	30.0	3.1	3.2	3.2	0.05	4.7
		1800	1830	Cum	1	30.0	3.2	3.1	3.2	0.05	4.7
		1830	1860	Cum	1	30.0	3.1	3.2	3.2	0.05	4.7
		1860	1890	Cum	1	30.0	3.2	3.1	3.2	0.05	4.7
		1890	1920	Cum	1	30.0	3.1	3.1	3.1	0.05	4.7
		1920	1950	Cum	1	30.0	3.1	3.2	3.2	0.05	4.7
		1950	1980	Cum	1	30.0	3.2	3.3	3.3	0.05	4.9
		1980	2010	Cum	1	30.0	3.3	3.2	3.3	0.05	4.9
		2010	2040	Cum	1	30.0	3.2	3.2	3.2	0.05	4.8
		2040	2060	Cum	1	20.0	3.2	3.3	3.3	0.05	3.3
		<b>Chainage 1060 to 2045 m RHS</b>									
		1060	1085	Cum	1	25.0	4.0	5.0	4.5	0.05	5.6
		1085	1115	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1115	1145	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1145	1175	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1175	1205	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1205	1235	Cum	1	30.0	5.0	4.5	4.8	0.05	7.1
		1235	1265	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		1265	1295	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		1295	1325	Cum	1	30.0	4.5	5.0	4.8	0.05	7.1
		1325	1355	Cum	1	30.0	5.0	5.2	5.1	0.05	7.7
		1355	1385	Cum	1	30.0	5.2	5.2	5.2	0.05	7.8
		1385	1415	Cum	1	30.0	5.2	5.3	5.3	0.05	7.9
		1415	1445	Cum	1	30.0	5.3	5.2	5.3	0.05	7.9
		1445	1475	Cum	1	30.0	5.2	5.5	5.4	0.05	8.0
		1475	1505	Cum	1	30.0	5.5	5.6	5.6	0.05	8.3
		1505	1535	Cum	1	30.0	5.6	5.6	5.6	0.05	8.4
		1535	1565	Cum	1	30.0	5.6	5.8	5.7	0.05	8.6
		1565	1595	Cum	1	30.0	5.8	5.6	5.7	0.05	8.6
		1595	1625	Cum	1	30.0	5.6	5.2	5.4	0.05	8.1
		1625	1655	Cum	1	30.0	5.2	5.5	5.4	0.05	8.0
		1655	1685	Cum	1	30.0	5.5	5.5	5.5	0.05	8.3
		1685	1715	Cum	1	30.0	5.5	5.5	5.5	0.05	8.3
		1715	1745	Cum	1	30.0	5.5	5.5	5.5	0.05	8.3
		1745	1775	Cum	1	30.0	5.5	5.5	5.5	0.05	8.3
		1775	1805	Cum	1	30.0	5.5	5.5	5.5	0.05	8.3
		1805	1835	Cum	1	30.0	5.5	5.5	5.5	0.05	8.3
		1835	1865	Cum	1	30.0	5.5	6.0	5.8	0.05	8.6
		1865	1895	Cum	1	30.0	6.0	5.0	5.5	0.05	8.3
		1895	1925	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1925	1955	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1955	1985	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		1985	2015	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		2015	2045	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		<b>Forest office</b>									
		<b>Chainage 0 to 95 m</b>									
		0	30	Cum	1	30	8.5	5.9	7.2	0.04	8.6
		30	60	Cum	1	30	5.9	5.5	5.7	0.04	6.8

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Section Engineer

  
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		60	90	Cum	1	30	5.5	4.3	4.9	0.04	5.9
		90	95	Cum	1	5	4.3	4.3	4.3	0.04	0.9
<b>Kanva cross road</b>											
<b>Chainage 0 to 350 m RHS</b>											
		0	30	Cum	1	30.0	13.1	11.8	12.4	0.04	14.9
		30	40	Cum	1	10.0	11.8	11.3	11.5	0.04	4.6
		40	60	Cum	1	20.0	11.3	8.7	10.0	0.04	8.0
		60	90	Cum	1	30.0	8.7	8.5	8.6	0.04	10.3
		90	120	Cum	1	30.0	8.5	8.3	8.4	0.04	10.1
		120	150	Cum	1	30.0	8.3	8.0	8.2	0.04	9.8
		150	180	Cum	1	30.0	8.0	8.1	8.1	0.04	9.7
		180	210	Cum	1	30.0	8.1	8.2	8.2	0.04	9.8
		210	240	Cum	1	30.0	8.2	7.5	7.9	0.04	9.4
		240	270	Cum	1	30.0	7.5	8.5	8.0	0.04	9.6
		270	300	Cum	1	30.0	8.5	7.5	8.0	0.04	9.6
		300	330	Cum	1	30.0	7.5	7.5	7.5	0.04	9.0
		330	338	Cum	1	8.0	7.5	7.5	7.5	0.04	2.4
<b>Chainage 0 to 187 m RHS</b>											
		0	30	Cum	1	30.0	14.6	6.1	10.4	0.04	12.4
		30	60	Cum	1	30.0	6.1	5.5	5.8	0.04	7.0
		60	90	Cum	1	30.0	5.5	5.5	5.5	0.04	6.6
		90	120	Cum	1	30.0	5.5	5.5	5.5	0.04	6.6
		120	150	Cum	1	30.0	5.5	5.5	5.5	0.04	6.6
		150	180	Cum	1	30.0	5.5	7.7	6.6	0.04	7.9
		180	187	Cum	1	7.0	7.7	7.7	7.7	0.04	2.2
<b>Bell mouth</b>											
					1	5	5.7	3	4.4	0.04	0.9
<b>Kengal Kanva</b>											
<b>Chainage 2060 to 3410 m LHS</b>											
		2060	2090	Cum	1	30.0	3.3	3.8	3.6	0.05	5.3
		2090	2120	Cum	1	30.0	3.8	4.5	4.2	0.05	6.2
		2120	2150	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		2150	2180	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		2180	2210	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		2210	2240	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		2240	2270	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		2270	2300	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		2300	2330	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		2330	2360	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		2360	2390	Cum	1	30.0	4.5	4.5	4.5	0.05	6.8
		2390	2420	Cum	1	30.0	4.5	5.0	4.8	0.05	7.1
		2420	2450	Cum	1	30.0	5.0	4.1	4.6	0.05	6.8
		2450	2480	Cum	1	30.0	4.1	5.2	4.7	0.05	7.0
		2480	2510	Cum	1	30.0	5.2	5.0	5.1	0.05	7.7
		2510	2540	Cum	1	30.0	5.0	4.3	4.7	0.05	7.0
		2540	2570	Cum	1	30.0	4.3	5.5	4.9	0.05	7.4
		2570	2600	Cum	1	30.0	5.5	6.0	5.8	0.05	8.6
		2600	2630	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
		2630	2660	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
		2660	2690	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
		2690	2720	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
		2720	2750	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
		2750	2780	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0

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		5200	5230	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
<b>Chainage 4320 to 5200 m RHS</b>											
		4320	4350	Cum	1	30.0	5.0	4.0	4.5	0.05	6.8
		4350	4380	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		4380	4410	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		4410	4440	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
	Vandarakup pe gate	4440	4455	Cum							
		4455	4485	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		4485	4515	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		4515	4545	Cum	1	30.0	5.0	6.0	5.5	0.05	8.3
		4545	4575	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
		4575	4605	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
		4605	4635	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
		4635	4665	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
		4665	4695	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
		4695	4725	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
		4725	4755	Cum	1	30.0	6.0	6.0	6.0	0.05	9.0
	PTC	4755 - 4900									
		4900	4930	Cum	1	30.0	4.6	4.6	4.6	0.05	6.9
		4930	4960	Cum	1	30.0	4.6	4.6	4.6	0.05	6.9
		4960	4990	Cum	1	30.0	4.6	5.0	4.8	0.05	7.2
		4990	5020	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5020	5050	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5050	5080	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5080	5110	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5110	5140	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5140	5170	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5170	5200	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
<b>Yarabanagara cross</b>											
<b>Chainage 5230 to 5980 m LHS</b>											
		5230	5260	Cum	1	30.0	4.0	5.0	4.5	0.05	6.8
		5260	5290	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5290	5320	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5320	5350	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5350	5380	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5380	5410	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5410	5440	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5440	5470	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5470	5500	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5500	5530	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5530	5560	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5560	5590	Cum	1	30.0	5.0	4.6	4.8	0.05	7.2
		5590	5620	Cum	1	30.0	4.6	3.6	4.1	0.05	6.2
		5620	5650	Cum	1	30.0	3.6	3.6	3.6	0.05	5.4
		5650	5680	Cum	1	30.0	3.6	5.0	4.3	0.05	6.5
		5680	5710	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5710	5740	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5740	5770	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5770	5800	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5800	5830	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5830	5860	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5

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		5860	5890	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5890	5920	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5920	5950	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5950	5980	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
<b>Chainage 5225 to 6005 m RHS</b>											
		5225	5255	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5255	5285	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5285	5315	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5315	5345	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5345	5375	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5375	5405	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5405	5435	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5435	5465	Cum	1	30.0	5.0	5.0	5.0	0.05	7.5
		5465	5495	Cum	1	30.0	5.0	4.0	4.5	0.05	6.8
		5495	5525	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5525	5555	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5555	5585	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5585	5615	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5615	5645	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5645	5675	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5675	5705	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5705	5735	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5735	5765	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5765	5795	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5795	5825	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5825	5855	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5855	5885	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5885	5915	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5915	5945	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5945	5975	Cum	1	30.0	4.0	4.0	4.0	0.05	6.0
		5975	6005	Cum	1	30.0	4.0	3.3	3.7	0.05	5.5
<b>Yarub nagar cross road</b>											
		0	30	Cum	1	30.0	13.0	4.3	8.7	0.04	10.4
		30	60	Cum	1	30.0	4.3	4.2	4.3	0.04	5.1
		60	90	Cum	1	30.0	4.2	4.2	4.2	0.04	5.0
		90	120	Cum	1	30.0	4.2	4.3	4.3	0.04	5.1
		120	150	Cum	1	30.0	4.3	4.2	4.3	0.04	5.1
		150	161	Cum	1	11.0	4.2	4.2	4.2	0.04	1.8
<b>Doddamallur Junction</b>											
<b>Chainage 0 to 175 m LHS</b>											
		0	30	Cum	1	30.0	11.2	10.9	11.1	0.05	16.6
		30	60	Cum	1	30.0	10.9	10.9	10.9	0.05	16.4
		60	90	Cum	1	30.0	10.9	10.9	10.9	0.05	16.4
		90	120	Cum	1	30.0	10.9	11.0	11.0	0.05	16.4
		120	150	Cum	1	30.0	11.0	11.0	11.0	0.05	16.5
		150	175	Cum	1	25.0	11.0	10.9	11.0	0.05	13.7
										<b>Total</b>	<b>3775.64</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>3775.64</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

KPJ CONSTRUCTIONS PVT. LTD.

  
Director

  
Section Engineer

  
Asst Executive Engineer

Measurement recorded on :-

17	KSRB 14.6-2 :Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness ) and compacting										
	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2) /2	Depth (m)	Quantity	
<b>APMC JUNCTION TO AMBEDKAR</b>											
<b>BHAVAN</b>											
Laying of new cobble stone											
LHS	0	15	Sqm	1	15.0	3.8	5.0	4.4		66.0	
	15	30	Sqm	1	15.0	5.0	3.0	4.0		60.0	
	30	45	Sqm	1	15.0	3.0	3.9	3.5		51.8	
	45	60	Sqm	1	15.0	3.9	3.7	3.8		57.0	
	60	75	Sqm	1	15.0	3.7	3.5	3.6		54.0	
	75	90	Sqm	1	15.0	3.5	3.7	3.6		54.0	
	90	105	Sqm	1	15.0	3.7	3.7	3.7		55.5	
	105	120	Sqm	1	15.0	3.7	3.6	3.7		55.5	
	120	135	Sqm	1	15.0	3.7	3.6	3.7		54.8	
	135	150	Sqm	1	15.0	3.6	3.7	3.7		54.8	
	150	165	Sqm	1	15.0	3.7	3.8	3.8		56.3	
	165	180	Sqm	1	15.0	3.8	3.7	3.8		56.3	
LHS	0	15	Sqm	1	15.0	3.3	3.6	3.5		51.8	
	15	30	Sqm	1	15.0	3.6	4.0	3.8		57.0	
	30	45	Sqm	1	15.0	4.0	4.3	4.2		62.3	
	45	60	Sqm	1	15.0	4.3	4.6	4.5		66.8	
	60	65	Sqm	1	5.0	4.6	4.6	4.6		23.0	
LHS	0	15	Sqm	1	15.0	3.3	7.0	5.2		77.3	
	15	21	Sqm	1	6.0	7.0	6.8	6.9		41.4	
LHS	0	8.5	Sqm	1	8.5	8.0	8.1	8.1		68.4	
LHS	0	15	Sqm	1	15.0	2.0	2.0	2.0		30.0	
	15	30	Sqm	1	15.0	2.0	2.3	2.2		32.3	
	30	45	Sqm	1	15.0	2.3	2.1	2.2		33.0	
	45	60	Sqm	1	15.0	2.1	1.9	2.0		30.0	
	60	75	Sqm	1	15.0	1.9	1.8	1.9		27.8	
	75	90	Sqm	1	15.0	1.8	4.9	3.4		50.3	
	90	105	Sqm	1	15.0	4.9	3.7	4.3		64.5	
	105	111	Sqm	1	6.0	3.7	1.6	2.6		15.8	
LHS	0	15	Sqm	1	15.0	2.3	2.6	2.5		36.8	
	15	19.5	Sqm	1	4.5	2.6	2.4	2.5		11.3	
RHS	0	15	Sqm	1	15.0	8.0	6.1	7.1		105.8	
	15	30	Sqm	1	15.0	6.1	6.1	6.1		91.5	
	30	42	Sqm	1	12.0	6.1	4.3	5.2		62.4	
RHS	0	4	Sqm	1	4.0	1.1	1.1	1.1		4.4	
RHS	0	15	Sqm	1	15.0	4.0	4.1	4.1		60.8	
	15	25	Sqm	1	10.0	4.1	3.7	3.9		39.0	
RHS	0	15	Sqm	1	15.0	2.4	3.6	3.0		45.0	
	15	30	Sqm	1	15.0	3.6	2.5	3.1		45.8	
	30	45	Sqm	1	15.0	2.5	3.3	2.9		43.5	
	45	60	Sqm	1	15.0	3.3	3.0	3.2		47.3	
	60	75	Sqm	1	15.0	3.0	4.0	3.5		52.5	
	75	90	Sqm	1	15.0	4.0	2.3	3.2		47.3	
RHS	0	15	Sqm	1	15.0	2.2	2.8	2.5		37.5	
	15	30	Sqm	1	15.0	2.8	2.8	2.8		42.0	
	30	45	Sqm	1	15.0	2.8	2.8	2.8		42.0	
	45	60	Sqm	1	15.0	2.8	2.9	2.9		42.8	
	60	75	Sqm	2	15.0	2.9	2.8	2.9		85.5	
RHS	0	15	Sqm	1	15.0	3.0	3.0	3.0		45.0	
	15	30	Sqm	1	15.0	3.0	3.1	3.1		45.8	

CBC  
Kms  
10/8/2019

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer  
10/8/2019

Asst Executive Engineer  
10/8/2019

		30	45	Sqm	1	15.0	3.1	3.3	3.2		48.0
		45	60	Sqm	1	15.0	3.3	3.2	3.3		48.8
		60	75	Sqm	1	15.0	3.2	3.2	3.2		48.0
		75	90	Sqm	1	15.0	3.2	3.1	3.2		47.3
		90	92	Sqm	1	2.0	3.1	3.7	3.4		6.8
	RHS	0	15	Sqm	1	15.0	3.2	2.8	3.0		45.0
		15	30	Sqm	1	15.0	2.8	2.2	2.5		37.5
		30	45	Sqm	1	15.0	2.2	2.2	2.2		33.0
		45	60	Sqm	1	15.0	2.2	1.7	2.0		29.3
		60	75	Sqm	1	15.0	1.7	1.8	1.8		26.3
		75	82	Sqm	1	7.0	1.8	1.8	1.8		12.6
										<b>Total</b>	<b>2823.0</b>
	<b>Dismantling of old cobble stone</b>										
	LHS	0	15	Sqm	-1	15.0	3.4	3.2	3.3		-49.5
		15	30	Sqm	-1	15.0	3.2	3.4	3.3		-49.5
		30	45	Sqm	-1	15.0	3.4	3.4	3.4		-51.0
		45	60	Sqm	-1	15.0	3.4	2.6	3.0		-45.0
		60	75	Sqm	-1	15.0	2.6	3.0	2.8		-42.0
		75	90	Sqm	-1	15.0	3.0	3.0	3.0		-45.0
		90	105	Sqm	-1	15.0	3.0	2.5	2.8		-41.3
		105	120	Sqm	-1	15.0	2.5	2.5	2.5		-37.5
		120	135	Sqm	-1	15.0	2.5	2.8	2.6		-39.4
		135	150	Sqm	-1	15.0	2.8	2.0	2.4		-35.6
		150	165	Sqm	-1	15.0	2.0	1.8	1.9		-28.5
		165	180	Sqm	-1	15.0	1.8	1.8	1.8		-27.0
		180	195	Sqm	-1	15.0	1.8	1.8	1.8		-27.0
		195	210	Sqm	-1	15.0	1.8	1.8	1.8		-27.0
		210	225	Sqm	-1	15.0	1.8	1.8	1.8		-27.0
		225	240	Sqm	-1	15.0	1.8	1.7	1.8		-26.3
		240	255	Sqm	-1	15.0	1.7	2.0	1.9		-27.8
		255	270	Sqm	-1	15.0	2.0	2.3	2.2		-32.3
		270	285	Sqm	-1	15.0	2.3	2.0	2.2		-32.3
		285	300	Sqm	-1	15.0	2.0	3.0	2.5		-37.5
		300	315	Sqm	-1	15.0	3.0	1.9	2.5		-36.8
		315	330	Sqm	-1	15.0	1.9	1.7	1.8		-27.0
		330	345	Sqm	-1	15.0	1.7	2.9	2.3		-34.5
		345	360	Sqm	-1	15.0	2.9	2.6	2.7		-40.9
		360	375	Sqm	-1	15.0	2.6	2.7	2.6		-39.4
		375	390	Sqm	-1	15.0	2.7	2.1	2.4		-36.0
		390	395	Sqm	-1	5.0	2.1	2.1	2.1		-10.5
	RHS	0	15	Sqm	-1	15.0	1.9	1.4	1.7		-24.8
		15	30	Sqm	-1	15.0	1.4	1.8	1.6		-24.0
		30	45	Sqm	-1	15.0	1.8	1.8	1.8		-27.0
		45	60	Sqm	-1	15.0	1.8	1.8	1.8		-27.0
		60	75	Sqm	-1	15.0	1.8	1.6	1.7		-25.5
		75	90	Sqm	-1	15.0	1.6	1.6	1.6		-24.0
		90	105	Sqm	-1	15.0	1.6	1.6	1.6		-24.0
		105	120	Sqm	-1	15.0	1.6	1.6	1.6		-24.0
		120	135	Sqm	-1	15.0	1.6	1.5	1.6		-23.3
		135	150	Sqm	-1	15.0	1.5	1.5	1.5		-22.5
		150	165	Sqm	-1	15.0	1.5	1.6	1.6		-23.3
		165	180	Sqm	-1	15.0	1.6	1.6	1.6		-24.0
		180	195	Sqm	-1	15.0	1.6	1.5	1.6		-23.3
		195	210	Sqm	-1	15.0	1.5	1.5	1.5		-22.5
		210	225	Sqm	-1	15.0	1.5	1.5	1.5		-22.5
		225	240	Sqm	-1	15.0	1.5	2.0	1.8		-26.3
		240	255	Sqm	-1	15.0	2.0	2.0	2.0		-30.0
		255	270	Sqm	-1	15.0	2.0	2.7	2.4		-35.3
		270	285	Sqm	-1	15.0	2.7	2.0	2.4		-35.3

GFC

~~10/08/2019~~

KPJ CONSTRUCTIONS PVT. LTD.

Director

Section Engineer

Asst Executive Engineer

10/8/20

		285	300	Sqm	-1	15.0	2.0	2.0	2.0		-30.0
		300	315	Sqm	-1	15.0	2.0	2.4	2.2		-33.0
		315	330	Sqm	-1	15.0	2.4	2.2	2.3		-34.5
		330	345	Sqm	-1	15.0	2.2	2.3	2.3		-33.8
										<b>Total</b>	<b>-1572.8</b>
										<b>Reused 25%</b>	<b>-393.2</b>
										<b>Total</b>	<b>2429.84</b>
<b>BM road shoulder towards Kengal temple</b>											
		0	15	Sqm	1	15.0	3.3	6.0	4.7		69.8
		15	30	Sqm	1	15.0	6.0	8.3	7.2		107.3
		30	45	Sqm	1	15.0	8.3	9.2	8.8		131.3
		45	60	Sqm	1	15.0	9.2	9.2	9.2		138.0
		60	75	Sqm	1	15.0	9.2	9.3	9.3		138.8
		75	90	Sqm	1	15.0	9.3	9.6	9.5		141.8
		90	105	Sqm	1	15.0	9.6	9.5	9.6		143.3
		105	120	Sqm	1	15.0	9.5	9.5	9.5		142.5
		120	135	Sqm	1	15.0	9.5	9.0	9.3		138.8
		135	150	Sqm	1	15.0	9.0	5.5	7.3		108.8
		0	15	Sqm	1	15.0	7.5	9.0	8.3		123.8
		15	30	Sqm	1	15.0	9.0	8.7	8.9		132.8
		30	45	Sqm	1	15.0	8.7	8.5	8.6		129.0
		45	60	Sqm	1	15.0	8.5	9.0	8.8		131.3
											<b>1776.75</b>
										<b>Total</b>	<b>4206.59</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>3099.92</b>
										<b>BALANCE QNTY</b>	<b>1106.67</b>

Measurement recorded on : -

20	KSRRB M200-13.1 - Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T&P scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications - By Mechanical Means Cement Concrete Grade M15 & M20 (Pg No. 139, INo.18.20)										
	CH	CH	Unit	Sides/No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2)/2	Depth (m)	Quantity	
	opposite ambedkar bhavan (old BM road)		cum	1	12.25			4.0	0.30	14.7	
										<b>Total</b>	<b>14.7</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>14.70</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on : -

KPJ CONSTRUCTIONS PVT. LTD.

Coordinator

Section Engineer

Asst. Executive Engineer

21 KSRRB M2100-1.1- Excavation in Ordinary Soil KSRRB M2100-1.1. Earth work in excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications I. Ordinary soil - A . Manual Means (i) Depth upto 3m MORTH Specification No. 304 (Pg No: 220. INo. 27.1)										
	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2) /2	Depth (m)	Quantity
<b>✓Janapada loka</b>										
Storm water drain	0	30	Cum	1	30.0	2.4	2.4	2.4	1.20	86.4
	30	60	Cum	1	30.0	2.4	2.4	2.4	1.20	86.4
	60	90	Cum	1	30.0	2.4	2.4	2.4	1.20	86.4
	90	120	Cum	1	30.0	2.4	2.4	2.4	1.20	86.4
	120	122	Cum	1	2.0	2.4	2.4	2.4	1.20	5.8
culvert				1	9.6	3.0	3.0	3.0	1.20	34.6
<b>✓Kengal</b>										
Retaining wall	0	30	Cum	1	30.0	5.2	5.2	5.2	1.20	187.2
	30	60	Cum	1	30.0	5.2	5.2	5.2	1.20	187.2
	60	95	Cum	1	35.0	5.2	5.2	5.2	1.20	218.4
<b>APMC</b>										
LHS				1	1.6			0.3	0.30	0.1
	0	30	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
	30	60	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
	60	90	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
	90	120	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
	120	150	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
	150	162	Cum	1	12.0	0.3	0.3	0.3	0.30	1.1
				1	2.3			0.3	0.30	0.2
				1	2.6			0.3	0.30	0.2
LHS	183	210	Cum	1	27.0	0.3	0.3	0.3	0.30	2.4
	210	240	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
				1	4.0			0.3	0.30	0.4
				1	2.6			0.3	0.30	0.2
LHS	255	262	Cum	1	7.0	0.3	0.3	0.3	0.30	0.6
	262	273	Cum	1	11.0	0.3	0.3	0.3	0.30	1.0
				1	5.1			0.3	0.30	0.5
				1	1.9			0.3	0.30	0.2
LHS	290	320	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
	320	350	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
	350	380	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
	380	397	Cum	1	17.0	0.3	0.3	0.3	0.30	1.5
				1	2.1			0.3	0.30	0.2
				1	2.8			0.3	0.30	0.3
LHS	419	445	Cum	1	26.0	0.3	0.3	0.3	0.30	2.3
				1	2.6			0.3	0.30	0.2
				1	1.8			0.3	0.30	0.2
RHS	0	30	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
	30	60	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
	60	78	Cum	1	18.0	0.3	0.3	0.3	0.30	1.6
				1	2.9			0.3	0.30	0.3

KPJ CONSTRUCTIONS PVT. LTD.

Contractor  
Director

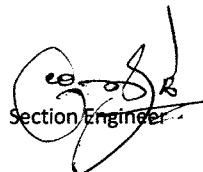
Section Engineer

Asst Executive Engineer

					1	3.1			0.3	0.30	0.3
	RHS	88	90	Cum	1	2.0	0.3	0.3	0.3	0.30	0.2
		90	120	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
		120	150	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
					1	3.0			0.3	0.30	0.3
					1	3.0			0.3	0.30	0.3
	RHS	180	210	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
		210	240	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
					1	3.0			0.3	0.30	0.3
					1	3.0			0.3	0.30	0.3
	RHS	262	292	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
		292	300	Cum	1	8.0	0.3	0.3	0.3	0.30	0.7
		300	330	Cum	1	30.0	0.3	0.3	0.3	0.30	2.7
					1	3.3			0.3	0.30	0.3
					1	2.3			0.3	0.30	0.2
	RHS	376	390	Cum	1	14.0	0.3	0.3	0.3	0.30	1.3
					1	3.3			0.3	0.30	0.3
					1	3.7			0.3	0.30	0.3
	RHS	427	450	Cum	1	23.0	0.3	0.3	0.3	0.30	2.1
		450	469	Cum	1	19.0	0.3	0.3	0.3	0.30	1.7
					1	7.7			0.3	0.30	0.7
	✓ Govt Engineering college LHS										
	112 m			Cum	1	30.0	0.9	0.9	0.9	1.30	35.1
				Cum	1	30.0	0.9	0.9	0.9	1.30	35.1
				Cum	1	30.0	0.9	0.9	0.9	1.30	35.1
				Cum	1	22.0	0.9	0.9	0.9	1.30	25.7
	CD DECK										
				Cum	1	9.8	1.1	1.1	1.1	1.30	14.0
	Yarab Nagar LHS										
	65 m			Cum	1	30.0	1.3	1.3	1.3	1.30	50.7
				Cum	1	30.0	1.3	1.3	1.3	1.30	50.7
				Cum	1	5.0	1.3	1.3	1.3	1.30	8.5
	Yarab Nagar 1st & 2nd cross										
	38 m			Cum	1	30.0	0.8	0.8	0.8	0.80	19.2
				Cum	1	8.0	0.8	0.8	0.8	0.80	5.1
	Yarab Nagar retaining wall										
				Cum	1	19.7	2.5	2.5	2.5	1.20	59.1
	Kengal RHS near shanimathma temple										
	11 m			Cum	1	11.0	1.4	1.4	1.4	1.50	23.1
	Janapada loka										
	8.5 m			Cum	1	8.5	1.4	1.4	1.4	1.50	17.9
	Solar Blinker										
				Cum	32	0.45			0.45	0.60	3.9
	Yarub nagar drain										
	95m			Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
				Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
				Cum	1	30.0	1.3	1.3	1.3	1.50	58.5

KPJ CONSTRUCTIONS PVT. LTD.

  
Director

  
Section Engineer

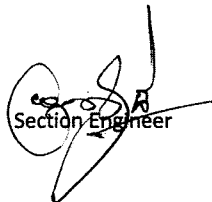
  
Asst Executive Engineer



			Cum	1	5.0	1.3	1.3	1.3	1.50	9.8
	100m		Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	10.0	1.3	1.3	1.3	1.50	19.5
	68m		Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	8.0	1.3	1.3	1.3	1.50	15.6
	78m		Cum	1	30.0	1.3	1.3	1.3	1.70	66.3
			Cum	1	30.0	1.3	1.3	1.3	1.70	66.3
			Cum	1	18.0	1.3	1.3	1.3	1.70	39.8
	Infront of Kengal temple									
	152m		Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	2.0	1.3	1.3	1.3	1.50	3.9
	60m		Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
	Kanva Road									
	45m		Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	15.0	1.3	1.3	1.3	1.50	29.3
	Janapada loka junction									
	42m		Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	12.0	1.3	1.3	1.3	1.50	23.4
	opposite PWD office Ramanagara(towards arkavathi river)									
	53.5m		Cum	1	30.0	1.3	1.3	1.3	1.50	58.5
			Cum	1	23.5	1.3	1.3	1.3	1.50	45.8
	Culvert									
	Yarub nagar deck 1		Cum	2	8.0	0.5	0.5	0.5	1.00	8.0
	Yarub nagar deck 2		Cum	2	9.0	0.5	0.5	0.5	1.00	9.0
	Yarub nagar deck 3		Cum	2	9.0	0.5	0.5	0.5	1.00	9.0
	Culvert extension									
	Yarub nagar junction		Cum	1	4.5			3.5	1.00	15.8
	Kengal junction		Cum	1	5.4			4.5	1.00	24.3
	Janapada loka junction		Cum	1	5.2			4.75	1.00	24.7
	DC quartress opposite		Cum	1	5.4			4.2	1.00	22.7

KPJ CONSTRUCTIONS PVT. LTD.

  
Director

  
Section Engineer

  
Asst Executive Engineer



	Storm water drain	0	30	Cum	1	30.0	2.4	2.4	2.4	0.15	10.8
		30	60	Cum	1	30.0	2.4	2.4	2.4	0.15	10.8
		60	90	Cum	1	30.0	2.4	2.4	2.4	0.15	10.8
		90	120	Cum	1	30.0	2.4	2.4	2.4	0.15	10.8
		120	122	Cum	1	2.0	2.4	2.4	2.4	0.15	0.7
	culvert				1	9.6	2.9	2.9	2.9	0.15	4.2
	<b>Kengal</b>										
	Retaining wall	0	30	Cum	1	30.0	4.9	4.9	4.9	0.15	22.1
		30	60	Cum	1	30.0	4.9	4.9	4.9	0.15	22.1
		60	95	Cum	1	35.0	4.9	4.9	4.9	0.15	25.7
	<b>APMC</b>										
					1	1.6			0.3	0.10	0.0
	LHS	0	30	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		30	60	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		60	90	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		90	120	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		120	150	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		150	162	Sqm	1	12.0	0.3	0.3	0.3	0.10	0.4
					1	2.3			0.3	0.10	0.1
					1	2.6			0.3	0.10	0.1
	LHS	183	210	Sqm	1	27.0	0.3	0.3	0.3	0.10	0.8
		210	240	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
					1	4.0			0.3	0.10	0.1
					1	2.6			0.3	0.10	0.1
	LHS	255	262	Sqm	1	7.0	0.3	0.3	0.3	0.10	0.2
		262	273	Sqm	1	11.0	0.3	0.3	0.3	0.10	0.3
					1	5.1			0.3	0.10	0.2
					1	1.9			0.3	0.10	0.1
	LHS	290	320	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		320	350	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		350	380	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		380	397	Sqm	1	17.0	0.3	0.3	0.3	0.10	0.5
					1	2.1			0.3	0.10	0.1
					1	2.8			0.3	0.10	0.1
	LHS	419	445	Sqm	1	26.0	0.3	0.3	0.3	0.10	0.8
					1	2.6			0.3	0.10	0.1
					1	1.8			0.3	0.10	0.1
	RHS	0	30	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		30	60	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		60	78	Sqm	1	18.0	0.3	0.3	0.3	0.10	0.5
					1	2.9			0.3	0.10	0.1
					1	3.1			0.3	0.10	0.1
	RHS	88	90	Sqm	1	2.0	0.3	0.3	0.3	0.10	0.1
		90	120	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		120	150	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
					1	3.0			0.3	0.10	0.1
					1	3.0			0.3	0.10	0.1
	RHS	180	210	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		210	240	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
					1	3.0			0.3	0.10	0.1

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					1	3.0			0.3	0.10	0.1
	RHS	262	292	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
		292	300	Sqm	1	8.0	0.3	0.3	0.3	0.10	0.2
		300	330	Sqm	1	30.0	0.3	0.3	0.3	0.10	0.9
					1	3.3			0.3	0.10	0.1
					1	2.3			0.3	0.10	0.1
	RHS	376	390	Sqm	1	14.0	0.3	0.3	0.3	0.10	0.4
					1	3.3			0.3	0.10	0.1
					1	3.7			0.3	0.10	0.1
	RHS	427	450	Sqm	1	23.0	0.3	0.3	0.3	0.10	0.7
		450	469	Sqm	1	19.0	0.3	0.3	0.3	0.10	0.6
					1	7.7			0.3	0.10	0.2
	✓ Govt Engineering college LHS										
	112m			Cum	1	30.0	0.9	0.9	0.9	0.15	4.1
				Cum	1	30.0	0.9	0.9	0.9	0.15	4.1
				Cum	1	30.0	0.9	0.9	0.9	0.15	4.1
				Cum	1	22.0	0.9	0.9	0.9	0.15	3.0
	CD DECK										
				Cum	1	9.8	1.1	1.1	1.1	0.15	1.6
	Yarab Nagar LHS										
	65 m			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
				Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
				Cum	1	5.0	1.3	1.3	1.3	0.15	1.0
	Yarab Nagar 1st & 2nd cross										
	38 m			Cum	1	30.0	0.8	0.8	0.8	0.15	3.6
				Cum	1	8.0	0.8	0.8	0.8	0.15	1.0
	Yarab Nagar retaining wall										
				Cum	1	19.7	2.5	2.5	2.5	0.15	7.4
	Kengal RHS near shanimathma temple										
	11 m			Cum	1	11.0	1.4	1.4	1.4	0.15	2.3
	Janapada loka										
	8.5 m			Cum	1	8.5	1.4	1.4	1.4	0.15	1.8
	Solar Blinker										
				Cum	32	0.45			0.45	0.15	1.0
	Yarub nagar junction										
	95m			Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
				Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
				Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
				Cum	1	5.0	1.3	1.3	1.3	0.10	0.7
	100m										
				Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
				Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
				Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
				Cum	1	10.0	1.3	1.3	1.3	0.10	1.3
	68m										
				Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
				Cum	1	30.0	1.3	1.3	1.3	0.10	3.9

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			Cum	1	8.0	1.3	1.3	1.3	0.10	1.0
	78m		Cum	1	30.0	1.5	1.5	1.3	0.10	3.9
			Cum	1	30.0	1.5	1.5	1.3	0.10	3.9
			Cum	1	18.0	1.5	1.5	1.3	0.10	2.3
	Infront of Kengal temple									
	152m		Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
			Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
			Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
			Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
			Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
			Cum	1	2.0	1.3	1.3	1.3	0.10	0.3
	60m		Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
			Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
	Kanva Road									
	45m		Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
			Cum	1	15.0	1.3	1.3	1.3	0.10	2.0
	Janapada loka junction									
	42m		Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
			Cum	1	12.0	1.3	1.3	1.3	0.10	1.6
	opposite PWD office Ramanagara(towards arkavathi river)									
	53.5m		Cum	1	30.0	1.3	1.3	1.3	0.10	3.9
			Cum	1	23.5	1.3	1.3	1.3	0.10	3.1
	Culvert									
	Yarub nagar deck 1		Cum	2	8.0			0.5	0.15	1.2
	Yarub nagar deck 2		Cum	2	9.0			0.5	0.15	1.4
	Yarub nagar deck 3		Cum	2	9.0			0.5	0.15	1.4
	Culvert extension									
	Yarub nagar junction		Cum	1	4.5			3.5	0.15	2.4
	Kengal junction		Cum	1	5.4			4.5	0.15	3.6
	Janapada loka junction		Cum	1	5.2			4.75	0.15	3.7
	DC quartress opposite		Cum	1	5.4			4.2	0.15	3.4
	For Metal Beam Crash Barrier at junctions									
	Janapada loka junction		Cum	60	0.45			0.45	0.15	1.8
	Manshetahalli junction		Cum	90	0.45			0.45	0.15	2.7
	Kengal junction		Cum	88	0.45			0.45	0.15	2.7
	Kuvempu college junction		Cum	118	0.45			0.45	0.15	3.6
	Vandarakuppe junction		Cum	96	0.45			0.45	0.15	2.9
	PTS junction		Cum	48	0.45			0.45	0.15	1.5
	Yarabnagar junction		Cum	274	0.45			0.45	0.15	8.3
	Doddamallur junction		Cum	180	0.45			0.45	0.15	5.5
			Cum	180	0.45			0.45	0.15	5.5
	Govt Engg college junction		Cum	180	0.45			0.45	0.15	5.5

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				Cum	180	0.45			0.45	0.15	5.5
Govt engineering college junction BM road											
Retaining wall	0	30	Cum	1	30.0	4.9	4.9	4.9	0.15		22.1
	30	34	Cum	1	4.0	4.9	4.9	4.9	0.15		2.9
opposite ambedkar bhavan (old BM road)											
			Cum	2	12.25			0.9	0.15		3.3
				1	12.25			2.0	0.15		3.7
CCTV post											
Police bhavan circle			Cum	3	0.45			0.45	0.10		0.1
KSRTC bus stand			Cum	4	0.45			0.45	0.10		0.1
Kengal junction			Cum	2	0.45			0.45	0.10		0.0
Sathanur			Cum	3	0.45			0.45	0.10		0.1
Police station circle			Cum	1	0.45			0.45	0.10		0.0
kankapura junction			Cum	3	0.45			0.45	0.10		0.1
Court circle			Cum	2	0.45			0.45	0.10		0.0
Tower											
			Cum	7	1.00			1.0	0.10		0.7
										383.39	
										<b>Total</b>	<b>382.36</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>382.36</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on :-

24 "KSRRB M2100-15.2. Providing and laying Plain /Reinforcement Cement Concrete M20 with OPC @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplasticizer @3lts confirming to IS9103-1999 Reaffirmed-2008 in Open Foundation complete as per Drawing and Technical Specifications including cost of all materials, labour,

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2) /2	Depth (m)	Quantity	
Yarab Nagar retaining wall											
			Cum	1	19.7	2.4	2.4	2.4	0.50	23.6	
			Cum	1	19.7	0.5	0.3	0.4	3.70	29.2	
Govt Engg college											
			Cum	1	6.0			0.35	1.70	3.6	
				-0.25	3.14	1.2	1.2		0.35	-0.40	
			Cum	1	9.0			0.30	0.60	1.6	
Solar Blinker											
			Cum	32	0.45			0.45	0.45	2.9	
										<b>Total</b>	<b>60.51</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>60.51</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on :-

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25	K8RRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplasticiser @31ts conforming to 189103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height. --- Including cost and conveyance of all materials,labour,hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc.. complete as directed as per specification and										
		CH	CH	Unit	Sides/No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2)/2	Depth (m)	Quantity
	<b>Janapada loka</b>										
	Storm water drain raft	0	30	Cum	1	30.0	2.4	2.4	2.4	0.20	14.4
		30	60	Cum	1	30.0	2.4	2.4	2.4	0.20	14.4
		60	90	Cum	1	30.0	2.4	2.4	2.4	0.20	14.4
		90	120	Cum	1	30.0	2.4	2.4	2.4	0.20	14.4
		120	122	Cum	1	2.0	2.4	2.4	2.4	0.20	1.0
	Storm water drain wall	0	30	Cum	2	30.0	0.2	0.2	0.2	2.00	24.0
		30	60	Cum	2	30.0	0.2	0.2	0.2	2.00	24.0
		60	90	Cum	2	30.0	0.2	0.2	0.2	2.00	24.0
		90	120	Cum	2	30.0	0.2	0.2	0.2	2.00	24.0
		120	122	Cum	2	2.0	0.2	0.2	0.2	2.00	1.6
	<b>culvert</b>										
					1	9.6	2.6	2.6	2.6	0.20	5.0
					2	9.6	1.3	1.3	1.3	0.30	7.5
					1	9.6	2.6	2.6	2.6	0.30	7.5
					2	2.5			0.3	0.85	1.0
	<b>Kengal</b>										
	Retaining wall raft	0	30	Cum	1	30.0	4.6	4.6	4.6	0.50	69.0
		30	60	Cum	1	30.0	4.6	4.6	4.6	0.50	69.0
		60	95	Cum	1	35.0	4.6	4.6	4.6	0.50	80.5
	Retaining wall	0	30	Cum	1	30.0	0.7	0.3	0.5	3.50	52.5
		30	60	Cum	1	30.0	0.7	0.3	0.5	3.50	52.5
		60	95	Cum	1	35.0	0.7	0.3	0.5	3.50	61.3
	deduct				-1	4.7			0.7	0.30	-1.0
					-1	6.0			0.6	0.30	-1.1
					-1	4.2			0.7	0.30	-0.9
	Covering slab kengal temple				1	190.4	1.3	1.3	1.3	0.15	37.1
	Covering slab kanva road				1	45.0	1.3	1.3	1.3	0.15	8.8
	<b>Govt Engineering college LHS</b>										
	112m	Raft		Cum	1	30.0	0.9	0.9	0.9	0.15	4.1
				Cum	1	30.0	0.9	0.9	0.9	0.15	4.1
				Cum	1	30.0	0.9	0.9	0.9	0.15	4.1
				Cum	1	22.0	0.9	0.9	0.9	0.15	3.0
	112m	wall		Cum	2	30.0			0.15	1.00	9.0
				Cum	2	30.0			0.15	1.00	9.0
				Cum	2	30.0			0.15	1.00	9.0
				Cum	2	22.0			0.15	1.00	6.6
	<b>CD RAFT</b>			Cum	1	9.8	1.1	1.1	1.1	0.20	2.2

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	CD WALL		Cum	1	9.8	0.7	0.7	0.7	0.20	1.4
Yarab Nagar LHS										
65 m	Raft		Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	5.0	1.3	1.3	1.3	0.15	1.0
65 m	wall		Cum	2	30.0			0.15	1.00	9.0
			Cum	2	30.0			0.15	1.00	9.0
			Cum	2	5.0			0.15	1.00	1.5
Covering slab			Cum	3	3.5			1.30	0.25	3.4
			Cum	1	13.0			1.30	0.30	5.1
Yarab Nagar 1st & 2nd cross										
38 m	Raft		Cum	1	30.0	0.8	0.8	0.8	0.15	3.6
			Cum	1	8.0	0.8	0.8	0.8	0.15	1.0
38 m	wall		Cum	1	30.0			0.5	0.15	2.3
			Cum	1	8.0			0.5	0.15	0.6
Covering slab			Cum	1	24.0			0.60	0.15	2.2
Kengal RHS near shanimathma temple										
11 m	Raft		Cum	1	11.0	1.4	1.4	1.4	0.20	3.1
11 m	wall		Cum	2	11.0	0.2	0.2	0.2	1.20	5.3
Janapada loka										
8.5 m	Raft		Cum	1	8.5	1.4	1.4	1.4	0.20	2.4
8.5 m	wall		Cum	2	8.5	0.2	0.2	0.2	1.20	4.1
Yarub nagar drain										
95m	Raft		Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	5.0	1.3	1.3	1.3	0.15	1.0
95m	wall		Cum	2	30.0			0.15	1.00	9.0
			Cum	2	30.0			0.15	1.00	9.0
			Cum	2	30.0			0.15	1.00	9.0
			Cum	2	5.0			0.15	1.00	1.5
100m	Raft		Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	10.0	1.3	1.3	1.3	0.15	2.0
100m	wall		Cum	2	30.0			0.15	1.00	9.0
			Cum	2	30.0			0.15	1.00	9.0
			Cum	2	30.0			0.15	1.00	9.0
			Cum	2	10.0			0.15	1.00	3.0
68m	Raft		Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9

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			Cum	1	8.0	1.3	1.3	1.3	0.15	1.6
68m	wall		Cum	2	30.0			0.15	1.00	9.0
			Cum	2	30.0			0.15	1.00	9.0
			Cum	2	8.0			0.15	1.00	2.4
78m	Raft		Cum	1	30.0	1.5	1.5	1.3	0.15	5.9
			Cum	1	30.0	1.5	1.5	1.3	0.15	5.9
			Cum	1	18.0	1.5	1.5	1.3	0.15	3.5
78m	wall		Cum	2	30.0			0.15	1.20	10.8
			Cum	2	30.0			0.15	1.20	10.8
			Cum	2	18.0			0.15	1.20	6.5
Infront of Kengal temple										
152m	Raft		Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	2.0	1.3	1.3	1.3	0.15	0.4
152m	wall		Cum	2	30.0			0.15	1.00	9.0
			Cum	2	30.0			0.15	1.00	9.0
			Cum	2	30.0			0.15	1.00	9.0
			Cum	2	30.0			0.15	1.00	9.0
			Cum	2	30.0			0.15	1.00	9.0
			Cum	2	2.0			0.15	1.00	0.6
60m	Raft		Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
60m	wall		Cum	2	30.0			0.15	1.00	9.0
			Cum	2	30.0			0.15	1.00	9.0
Kanva Road										
45m	Raft		Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	15.0	1.3	1.3	1.3	0.15	2.9
45m	wall		Cum	2	30.0	1.3	1.3	1.3	0.15	11.7
			Cum	2	15.0	1.3	1.3	1.3	0.15	5.9
Janapada loka junction										
42m	Raft		Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	12.0	1.3	1.3	1.3	0.15	2.3
42m	wall		Cum	2	30.0	1.3	1.3	1.3	0.15	11.7
			Cum	2	12.0	1.3	1.3	1.3	0.15	4.7
opposite PWD office Ramanagara(towards arkavathi river)										
53.5m	Raft		Cum	1	30.0	1.3	1.3	1.3	0.15	5.9
			Cum	1	23.5	1.3	1.3	1.3	0.15	4.6
53.5m	wall		Cum	2	30.0	1.3	1.3	1.3	0.15	11.7
			Cum	2	23.5	1.3	1.3	1.3	0.15	9.2
Culvert										
Yarub nagar deck 1										
	wall		Cum	2	8.0			0.2	1.20	3.8
	deck		Cum	1	8.0			1.6	0.30	3.8

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		parapet		Cum	2	1.6			0.3	0.45	0.4
	Yarub nagar deck 2										
		wall		Cum	2	9.0			0.2	1.20	4.3
		deck		Cum	1	9.0			1.6	0.30	4.3
		parapet		Cum	2	1.6			0.3	0.45	0.4
	Yarub nagar deck 3										
		wall		Cum	2	9.0			0.2	1.20	4.3
		deck		Cum	1	9.0			1.6	0.30	4.3
		parapet		Cum	2	1.6			0.3	0.45	0.4
	Culvert extension										
	Yarub nagar junction										
		raft		Cum	1	4.5			3.5	0.30	4.7
		wall		Cum	2	3.5			0.4	1.10	3.1
		Parapet		Cum	1	4.5			0.3	0.45	0.6
	Kengal junction										
		raft		Cum	1	4.5			5.4	0.30	7.3
		wall		Cum	3	5.4			0.4	1.20	7.8
		Parapet		Cum	1	4.5			0.3	0.45	0.6
	Janapadalok junction										
		raft		Cum	1	5.2			4.75	0.30	7.4
		wall		Cum	3	5.2			0.4	1.20	7.5
		Parapet		Cum	1	4.75			0.3	0.75	1.1
	DC quartress opposite										
		raft		Cum	1	5.4			4.20	0.30	6.8
		wall		Cum	3	5.4			0.4	1.20	7.8
		Parapet		Cum	1	4.20			0.3	0.90	1.1
	For Metal Beam Crash Barrier at junctions										
	Janapada loka junction			Cum	60	0.45			0.45	0.90	10.9
	Manshetahalli junction			Cum	90	0.45			0.45	0.90	16.4
	Kengal junction			Cum	88	0.45			0.45	0.90	16.0
	Kuvempu college junction			Cum	118	0.45			0.45	0.90	21.5
	Vandarakuppe junction			Cum	96	0.45			0.45	0.90	17.5
	PTS junction			Cum	48	0.45			0.45	0.90	8.7
	Yarabnagar junction			Cum	274	0.45			0.45	0.90	49.9
	Doddamallur junction			Cum	180	0.45			0.45	0.90	32.8
				Cum	180	0.45			0.45	0.90	32.8
	Govt Engg college junction			Cum	180	0.45			0.45	0.90	32.8
				Cum	180	0.45			0.45	0.90	32.8
	Govt engineering college junction BM road										
	Retaining wall raft	0	30	Cum	1	30.0	4.6	4.6	4.6	0.50	69.0
		30	34	Cum	1	4.0	4.6	4.6	4.6	0.50	9.2

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Retaining wall	0	30	Cum	1	30.0	0.7	0.3	0.5	4.50	67.5	
	30	34	Cum	1	4.0	0.7	0.3	0.5	4.50	9.0	
opposite ambedkar bhavan (old BM road)			Cum	2	12.25	0.7	0.3	0.5	2.20	27.0	
		deck	Cum	1	12.25			2.8	0.40	13.7	
CCTV post											
Police bhavan circle			Cum	3	0.45			0.45	1.20	0.7	
KSRTC bus stand			Cum	4	0.45			0.45	1.20	1.0	
Kengal junction			Cum	2	0.45			0.45	1.20	0.5	
Sathanur			Cum	3	0.45			0.45	1.20	0.7	
Police station circle			Cum	1	0.45			0.45	1.20	0.2	
kankapura junction			Cum	3	0.45			0.45	1.20	0.7	
Court circle			Cum	2	0.45			0.45	1.20	0.5	
Tower			Cum	7	1.00			1.0	1.00	7.0	
Road cutting			Cum	7	85.00			0.15	0.15	13.4	
										0.0	
										1750.52	
										<b>Total</b>	<b>1750.52</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>1750.52</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on : -

26 K8RRB M2200-5.12. Providing and laying Design mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7cum and fine aggregates @ 0.47cum, with superplastisiser @31ts confirming to 189103-1999 Reaffirmed-2008 - i) Upto 5m height (Pg No: , Sl.No:28.7.12)

	CH	CH	Unit	Sides/No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2)/2	Depth (m)	Quantity
Govt Engineering college LHS										
CD DECK			Cum	1	9.8	1.1	1.1	1.1	0.30	3.23
Yarab nagar deck slab			Cum	1	7.3			1.30	0.30	2.85
Parapet			Cum	1	1.4			0.30	0.50	0.21
Culvert extension										
Yarub nagar junction										
	deck		Cum	1	3.5			4.5	0.30	4.7
Kengal junction										
	deck		Cum	1	4.5			5.4	0.40	9.7
Janapadalok junction										
	deck		Cum	1	5.2			4.75	0.40	9.9
DC quartress opposite										
	deck		Cum	1	5.4			4.20	0.40	9.1
Opposite ambedkar bhavan (old BM road)			Cum	1	12.25			2.8	0.40	13.7

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	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2) /2	Depth (m)	Quantity
<b>Janapada loka</b>										
Storm water drain raft										
Main bar	raft bottom & wall		Mton	814	6.65	0.89				4.818
	raft top			814	2.55	0.89				1.847
	wall left			814	2.5	0.89				1.775
	wall right			814	2.5	0.89				1.775
Distribution	raft			10	122.0	0.62				0.756
Distribution	raft top			10	122.0	0.62				0.756
Distribution	wall in			10	122.0	0.62				0.756
Distribution	wall out			10	122.0	0.62				0.756
Distribution	wall in			10	122.0	0.62				0.756
Distribution	wall out			10	122.0	0.62				0.756
	U bar in wall			488	1.0	0.62				0.303
culvert										
	raft	bottom		65	3.15	0.89				0.182
	raft	top		65	3.15	0.89				0.182
	wall			260	2.7	0.89				0.613
	deck	bottom		65	3.0	1.6				0.303
	deck	top		65	3.0	0.9				0.171
Distribution	raft			26	9.6	0.62				0.155
				40	9.6	0.6				0.238
	raft			26	9.6	0.62				0.155
<b>Kengal</b>										
Retaining wall										
Main bar	Raft bottom		Mton	634	5.4	0.89				3.019
	Raft top left			634	5.4	0.89				3.019
Main bar	wall			476	4.8	1.58				3.610
Main bar	wall			476	4.8	0.89				2.033
Main bar	wall			476	4.9	2.50				5.831
Distribution	Raft bottom			19	95.0	0.62				1.119
Distribution	Raft top left			7	95.0	0.62				0.412
Distribution	Raft top right			10	95.0	0.62				0.589
Distribution	Raft edge			4	95.0	0.62				0.236
Distribution	Wall inside			27	95.0	0.62				1.590
Distribution	Wall outside			28	95.0	0.62				1.649
	Chair in raft			190	2.0	1.58				0.600
	U bar in wall			285	1.5	0.62				0.265
										0.019
Covering slab kengal temple										
	dist			1269	1.2	0.62				0.944
				6	190.4	0.395				0.451
Covering slab kanva road										
	dist			280	1.2	0.62				0.208
				6	42.0	0.395				0.100
Govt Engineering college LHS										
main bar	outer	112m		748	3.05	0.89				2.030
main bar	inner			748	2.7	0.89				1.797
Distribution				20	112.0	0.62				1.389
CD										

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Raft & wall									
main bar	outer	9.8m		66	3.05	0.89			0.179
main bar	inner			66	2.7	0.89			0.159
Distribution				20	9.8	0.62			0.122
Deck									
main bar	Bottom	9.8m		66	1.05	1.58			0.109
main bar	Top	9.8m		66	1.05	0.89			0.062
Distribution				12	9.8	0.62			0.073
Yarab Nagar LHS									
main bar	outer	65m		434	3.45	0.89			1.333
main bar	inner			434	3.1	0.89			1.197
Distribution				25	65.0	0.62			1.008
Covering slab 3x3.5x1.3			6	24	1.25	0.62			0.112
			6	8	3.5	0.62			0.104
Covering slab 13x1.3			2	88	1.25	0.62			0.136
			2	8	13.0	0.62			0.129
Yarab nagar deck slab									
main bar	Bottom	7.3m		50	1.25	1.58			0.099
main bar	Top	7.3m		50	1.25	0.89			0.056
Distribution				12	7.3	0.62			0.054
Parapet									
main bar		1.4m	2	10	0.60	0.62			0.007
Distribution			2	3	1.3	0.62			0.005
Yarab Nagar 1st & 2nd cross									
main bar		38m		254	2.05	0.62			0.323
Distribution				9	38.0	0.62			0.212
Covering slab				161	0.55	0.62			0.055
				3	24.0	0.62			0.045
Yarab Nagar retaining wall									
Raft	Bottom			132	3.0	0.89			0.347
	Top			132	3.0	0.89			0.347
	Dist			24	19.7	0.6			0.293
Wall	Inner			198	4.6	2.50			2.252
	Outer			100	4.6	0.89			0.405
	Dist			38	19.7	0.62			0.464
	Chair			40	2.0	0.89			0.071
	ubar			60	2.0	0.62			0.074
Kengal RHS near shanimathma temple									
main bar	outer	11m		74	4.05	0.89			0.267
main bar	inner			74	3.4	0.89			0.224
Distribution				25	11.0	0.62			0.171

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Janapada loka									
main bar	outer	8.5m		58	4.05	0.89			0.209
main bar	inner			58	3.4	0.89			0.176
Distribution				25	8.5	0.62			0.132
Govt Engg college									
Head wall			2	40	1.7	0.62			0.042
			2	9	6.0	0.62			0.033
Parapet			2	61	0.6	0.62			0.023
			2	4	9.0	0.62			0.022
Yarub nagar drain									
main bar	outer	95m		634	3.5	0.62			1.356
main bar	inner			634	3.2	0.62			1.258
Distribution				25	95.0	0.62			1.473
main bar	outer	100m		668	3.5	0.62			1.429
main bar	inner			668	3.2	0.62			1.325
Distribution				25	100.0	0.62			1.550
main bar	outer	68m		454	3.5	0.62			0.971
main bar	inner			454	3.2	0.62			0.901
Distribution				25	68.0	0.62			1.054
main bar	outer	78m		521	3.5	0.62			1.114
main bar	inner			521	3.2	0.62			1.034
Distribution				25	78.0	0.62			1.209
Infront of Kengal temple									
main bar	outer	152m		1014	3.5	0.62			2.169
main bar	inner			1014	3.2	0.62			2.012
Distribution				25	152.0	0.62			2.356
main bar	outer	60m		401	3.5	0.62			0.858
main bar	inner			401	3.2	0.62			0.796
Distribution				25	60.0	0.62			0.930
Kanva Road									
main bar	outer			301	3.5	0.62			0.644
main bar	inner			301	3.2	0.62			0.597
Distribution				25	45.0	0.62			0.698
Janapada loka drain									
main bar	outer			281	3.5	0.62			0.601
main bar	inner			281	3.2	0.62			0.558
Distribution				25	42.0	0.62			0.651
opposite PWD office Ramanagara(towards arkavathi river)									
main bar	outer			358	3.5	0.62			0.766

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	main bar	inner			358	3.2	0.62				0.710
	Distribution				25	53.5	0.62				0.829
	Culvert										
	Yarub nagar deck 1										
		wall		2	54	1.50	0.62				0.100
		deck			54	1.55	1.58				0.132
					54	1.55	0.89				0.074
		distribution deck			16	8.0	0.395				0.051
		distribution wall		2	10	8.0	0.395				0.063
		parapet		4	11	0.45	0.6				0.012
				4	6	1.55	0.395				0.015
	Yarub nagar deck 2										
		wall		2	61	1.50	0.62				0.113
		deck			61	1.55	1.58				0.149
					61	1.55	0.89				0.084
		distribution deck			16	9.0	0.395				0.057
		distribution wall		2	10	9.0	0.395				0.071
		parapet		4	11	0.45	0.6				0.012
				4	6	1.55	0.395				0.015
	Yarub nagar deck 3										
		wall		2	61	1.50	0.62				0.113
		deck			61	1.55	1.58				0.149
					61	1.55	0.89				0.084
		distribution deck			16	9.0	0.395				0.057
		distribution wall		2	10	9.0	0.395				0.071
		parapet		4	11	0.45	0.6				0.012
				4	6	1.55	0.395				0.015
	Culvert extension										
	Yarub nagar junction										
	bot	raft			24	5.0	0.89				0.107
	top	raft			24	5.0	0.89				0.107
		dist		2	31	3.4	0.62				0.131
		wall		6	24	1.3	0.89				0.167
		dist		6	8	3.5	0.62				0.104
	bot	deck			24	5.0	1.58				0.190
	top	deck			24	5.0	0.89				0.107
		dist		2	31	3.4	0.62				0.131
		parapet		2	31	0.4	0.62				0.015
				2	3	4.5	0.395				0.011
	Kengal junction										
	bot	raft			37	5.0	0.89				0.165
	top	raft			37	5.0	0.89				0.165
		dist		2	31	5.3	0.62				0.204
		wall		6	37	1.3	0.89				0.257
		dist		6	8	5.4	0.62				0.161
	bot	deck			37	5.0	1.58				0.292
	top	deck			37	5.0	0.89				0.165
		dist		2	31	5.3	0.62				0.204
		parapet		2	31	0.4	0.62				0.015

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Contractor  
Director

Section Engineer

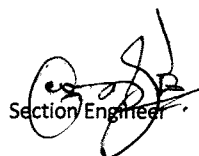
Asst. Executive Engineer



				2	3	4.5	0.395				0.011
Janapada loka junction											
	bot	raft			36	5.3	0.89				0.170
	top	raft			36	5.3	0.89				0.170
		dist		2	33	5.1	0.62				0.209
		wall		6	36	1.3	0.89				0.250
		dist		6	8	5.2	0.62				0.155
	bot	deck			36	5.3	1.58				0.301
	top	deck			36	5.3	0.89				0.170
		dist		2	33	5.1	0.62				0.209
		parapet		2	33	0.4	0.62				0.016
				2	4	4.75	0.395				0.015
DC quartress opposite											
	bot	raft			37	4.7	0.89				0.155
	top	raft			37	4.7	0.89				0.155
		dist		2	29	5.3	0.62				0.191
		wall		6	37	1.3	0.89				0.257
		dist		6	8	5.4	0.62				0.161
	bot	deck			37	4.7	1.58				0.275
	top	deck			37	4.7	0.89				0.155
		dist		2	29	5.3	0.62				0.191
		parapet		2	29	0.4	0.62				0.014
				2	5	4.20	0.395				0.017
Govt engineering college junction BM road											
Retaining wall											
	Main bar	Raft bottom	Mton	228	5.4	0.89					1.086
		Raft top left		228	5.4	0.89					1.086
	Main bar	wall		171	5.6	1.58					1.513
	Main bar	wall		171	5.6	0.89					0.852
	Main bar	wall		171	5.6	2.50					2.394
	Distribution	Raft bottom		19	34.0	0.62					0.401
	Distribution	Raft top left		7	34.0	0.62					0.148
	Distribution	Raft top right		10	34.0	0.62					0.211
	Distribution	Raft edge		4	34.0	0.62					0.084
	Distribution	Wall inside		27	34.0	0.62					0.569
	Distribution	Wall outside		28	34.0	0.62					0.590
		Chair in raft		400	2.0	1.58					1.264
		U bar in wall		300	1.5	0.62					0.279
opposite ambedkar bhavan (old BM road)											
				4	82	2.80	0.89				0.817
				4	12	12.25	0.62				0.365
				1	82	3.30	1.58				0.428
				1	82	3.30	0.89				0.241
				2	14	12.25	0.62				0.213
										<b>Total</b>	<b>108.87</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>108.87</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

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Director

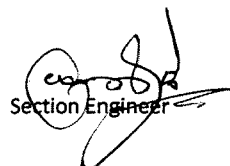
  
Section Engineer

  
Asst Executive Engineer

35	KSRRB M800-23.1. Metal Beam Crash Barrier:-Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform										
	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2) /2	Depth (m)	Quantity	
<b>Janapada loka</b>											
		LHS	M	2	30.0					60.0	
				2	30.35					60.7	
		RHS	M	2	30.0					60.0	
				2	26.45					52.9	
<b>Manshetahalli</b>											
		LHS	M	2	30.0					60.0	
				2	30.0					60.0	
				2	30.0					60.0	
		RHS	M	2	30.0					60.0	
				2	30.0					60.0	
				2	30.0					60.0	
<b>Kengal</b>											
		LHS	M	2	30.0					60.0	
				2	30.0					60.0	
				2	28.5					57.0	
		RHS	M	2	30.0					60.0	
				2	30.0					60.0	
				2	24.5					49.0	
<b>Kuvempu college</b>											
		LHS	M	2	30.0					60.0	
				2	30.0					60.0	
				2	8.5					17.0	
		RHS	M	2	30.0					60.0	
				2	30.0					60.0	
				2	9.0					18.0	
				2	30.0					60.0	
				2	30.0					60.0	
				2	30.0					60.0	
				2	8.0					16.0	
<b>Vandarakuppe</b>											
		LHS	M	2	30.0					60.0	
				2	30.0					60.0	
				2	30.0					60.0	
				2	7.7					15.4	
		RHS	M	2	30.0					60.0	
				2	30.0					60.0	
				2	30.0					60.0	
				2	2.0					4.0	
<b>PTS</b>											
		LHS	M	2	30.0					60.0	

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Contractor  
Director

  
Section Engineer

  
Asst Executive Engineer



Vandargupe junction	No	7									7
P.T.S JUNCTION	No	7									7
Yarabnagara Junction	No	7									7
Doddamaluru junction	No	7									7
Kanakapura Junction	No	7									7
Kanakapura R.O.B	No	7									7
A.P.M.C junction	No	7									7
											<b>Total</b>
											<b>133</b>
											<b>UPTO DATE BILLED QNTY</b>
											<b>133.00</b>
											<b>BALANCE QNTY</b>
											<b>0.00</b>

Measurement recorded on :-

39 Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2) /2	Depth (m)	Quantity
Ramanagara Welcome board			No	5						5
Kumbapura Junction			No	5						5
Govt Polytenchinc College junct			No	5						5
D.C Home junction			No	5						5
Japadaloka Junction			No	5						5
Govt Enginnering College juncti			No	5						5
Manchshettahalli junction			No	4						4
Kengal junction			No	5						5
R.O.B (LHS & RHS)			No	4						4
Kuvempu College			No	5						5
Vandargupe junction			No	5						5
P.T.S JUNCTION			No	5						5
Yarabnagara Junction			No	4						4
Doddamaluru junction			No	4						4
										<b>Total</b>
										<b>66</b>
										<b>UPTO DATE BILLED QNTY</b>
										<b>66.00</b>
										<b>BALANCE QNTY</b>
										<b>0.00</b>

Measurement recorded on :-

40 Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2) /2	Depth (m)	Quantity
H.T.P (L.H.S & R.H.S)			No	10						10
Manchshettahalli junction (LHS			No	9						9
R.O.B (L.H.S)			No	18						18
Kengal junction			No	10						10
Kuvempu College			No	10						10
P.T.S JUNCTION (LHS)			No	5						5
Yarabnagara Junction (LHS & R			No	12						12
										<b>Total</b>
										<b>74</b>

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Director

Section Engineer

Asst. Executive Engineer

UPTO DATE BILLED QNTY										74.00
BALANCE QNTY										0.00

Measurement recorded on :-

41 Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2) /2	Depth (m)	Quantity
Govt Enginnering College junction			No	1						1
Kengal junction			No	1						1
Kuvempu College			No	1						1
Vandargupe junction			No	1						1
									Total	4
UPTO DATE BILLED QNTY										4.00
BALANCE QNTY										0.00

Measurement recorded on :-

42 Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2) /2	Depth (m)	Quantity
Govt Enginnering College junction			No	1						1
Kengal junction			No	1						1
Kuvempu College			No	1						1
Vandargupe junction			No	1						1
Govt Polytenchinc College junction			No	1						1
									Total	5
UPTO DATE BILLED QNTY										5.00
BALANCE QNTY										0.00

Measurement recorded on :-

43 Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2) /2	Depth (m)	Quantity
vajahalli circle			Sqm	3	1.2			0.75		2.70
vaderahalli junction			Sqm	2	1.2			0.75		1.80
Kumbapura Junction			Sqm	2	1.2			0.75		1.80
D.C Home junction			Sqm	2	1.2			0.75		1.80
Japadaloka Junction			Sqm	2	1.2			0.75		1.80
Govt Enginnering College			Sqm	2	1.2			0.75		1.80
Manchshettahalli junction			Sqm	2	1.2			0.75		1.80
Kengal junction			Sqm	2	1.2			0.75		1.80
Kuvempu College			Sqm	2	1.2			0.75		1.80
Vandargupe junction			Sqm	2	1.2			0.75		1.80

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Section Engineer

Asst Executive Engineer

P.T.S JUNCTION	Sqm	2	1.2					0.75		1.80
Yarabnagara Junction	Sqm	2	1.2					0.75		1.80
Doddamaluru junction	Sqm	2	1.2					0.75		1.80
Kanakapura Junction	Sqm	2	1.2					0.75		1.80
A.P.M.C junction	Sqm	1	1.2					0.75		0.90
									<b>Total</b>	<b>27.0</b>
									<b>UPTO DATE BILLED QNTY</b>	<b>27.00</b>
									<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on :-

44 Manufacturing, Supply and installation of Retro- reflective Hazard Marker signboards made out of cube corner micro prismatic grade sheeting conforming to Type XI standards of IRC672012 & ASTM D 4956-09 specification & fixed over 4 mm thick Aluminium Composite Panel sheet having minimum 0.30 mm

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2) /2	Depth (m)	Quantity
kanakapura junction			No	2						2
Ramanagara Welcome board			No	2						2
Kumbapura Junction			No	2						2
Govt Polytechnic College			No	2						2
D.C Home junction			No	6						6
Japadaloka Junction			No	2						2
Govt Engineering College			No	2						2
Manchshettahalli junction			No	2						2
Kengal junction			No	4						4
R.O.B (LHS & RHS)			No	3						3
Kuvempu College			No	2						2
Vandargupe junction			No	2						2
P.T.S JUNCTION			No	2						2
Yarabnagara Junction			No	2						2
									<b>Total</b>	<b>35</b>
									<b>UPTO DATE BILLED QNTY</b>	<b>35.00</b>
									<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on :-

45 Providing road humps for the entire formation width, using bituminous premix materials and heavy duty cobble stones 60 mm thick, having road hump dimension of 1.00 mtr. (width) X 0.15 mtr (height) rectangular sections and ramp on either side of road hump of 0.85 mtr (wide), including providing WBM (2 layers) for shoulder portion 1.7mts in length on either side, completing with road marking paint with applied thermoplastic compound with reflecting glass beads on bituminous surface and providing 2 Nos.

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2) /2	Depth (m)	Quantity
DC quartress opposite			Unit	1	1.0					1.0
Kanva road	1		Unit	1	1.0					1.0
Kengal junction	1		Unit	1	1.0					1.0
Yarub & vandarakup pe junction	1		Unit	1	1.0					1.0

CONSTRUCTIONS PVT. LTD.

Contractor  
Director

Section Engineer

Asst Executive Engineer



Measurement recorded on : -

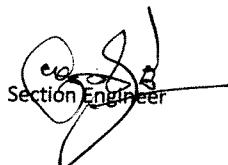
47. KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm											
	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2) /2	Depth (m)	Quantity	
<b>Janapada loka</b>											
			No	74	16.0					1184.0	
			No	78	16.0					1248.0	
<b>Manshetahalli</b>											
			No	109	16.0					1744.0	
<b>Kengal</b>											
			No	150	16.0					2400.0	
<b>Kuvempu college</b>											
			No	71	16.0					1136.0	
<b>govt college</b>											
			No	111	16.0					1776.0	
<b>Vandarakuppe</b>											
			No	83	16.0					1328.0	
<b>PTS</b>											
			No	23	16.0					368.0	
<b>Yarabnagar</b>											
			No	87	16.0					1392.0	
<b>APMC</b>											
			No	2	77.0					154.0	
<b>kanva</b>											
			No	2	60.0					120.0	
			No	2	28.0					56.0	
<b>Doddamallur</b>											
			No	20	16.0					320.0	
										<b>Total</b>	<b>13226.0</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>13226.00</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on : -

48. KSRRB Supply & Installation of Rigid Median Marker made of tough, high impact resistant, injection-molded, thermoplastic body with an isocoles trapezoidal structure of length, width and height not less than 15cm, 10cm and 10cm respectevly and thickness not less than 1.8mm, the body structure shall be rounded suitably. The plastic used for molding the Median Marker shall conform to ASTM D256. The logo of the manufacturer shall be embossed on either side of the body in the injection molding process.											
	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2) /2	Depth (m)	Quantity	
<b>Janapada loka</b>											
			No	1	198.0					198.0	
<b>Kanakpura</b>											
			No	1	200.0					200.0	
<b>Manshetahalli</b>											

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Director

  
Section Engineer

  
Asst Executive Engineer



		No	1	195.0						195.0	
<b>Kengal</b>											
		No	1	210.0						210.0	
<b>Kuvempu college</b>											
		No	1	185.0						185.0	
<b>govt college</b>											
		No	1	195.0						195.0	
<b>Vandarakuppe</b>											
		No	1	185.0						185.0	
<b>PTS</b>											
		No	1	150.0						150.0	
<b>Yarabnagar</b>											
		No	1	185.0						185.0	
<b>Doddamallur</b>											
		No	1	70.0						70.0	
										<b>Total</b>	<b>1773.0</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>1773.00</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on :-

49	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. 7.5mm Thick Audible Transverse Bar Marking									
	CH	CH	Unit	Sides/No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2)/2	Depth (m)	Quantity
<b>Janapada loka</b>										
	LHS		Sqm	24	12.0	0.25	0.25	0.25		72.0
	RHS		Sqm	24	12.0	0.25	0.25	0.25		72.0
<b>Manshetahalli</b>										
	LHS		Sqm	24	12.0	0.25	0.25	0.25		72.0
	RHS		Sqm	24	12.0	0.25	0.25	0.25		72.0
<b>Kengal/kanva</b>										
	LHS		Sqm	24	12.0	0.25	0.25	0.25		72.0
	RHS		Sqm	24	12.0	0.25	0.25	0.25		72.0
<b>Kuvempu College</b>										
	LHS		Sqm	24	12.0	0.25	0.25	0.25		72.0
	RHS		Sqm	24	11.0	0.25	0.25	0.25		66.0
<b>Vandarakuppe gate</b>										
	LHS		Sqm	24	10.0	0.25	0.25	0.25		60.0
	RHS		Sqm	24	12.0	0.25	0.25	0.25		72.0
<b>PTS</b>										
	LHS		Sqm	24	12.0	0.25	0.25	0.25		72.0
	RHS		Sqm	24	12.0	0.25	0.25	0.25		72.0

EPS CONSTRUCTIONS PVT. LTD.

Contractor  
**Director**

Section Engineer

Asst Executive Engineer

<b>Yarabanagara cross</b>									
	LHS	Sqm	24	12.0	0.25	0.25	0.25		72.0
	RHS	Sqm	24	12.0	0.25	0.25	0.25		72.0
<b>kanakapura</b>									
		Sqm	24	12.0	0.25	0.25	0.25		72.0
<b>Doddamallur</b>									
			4	12.0	0.25	0.25	0.25		13.7
		Sqm	48	12.0	0.25	0.25	0.25		144.0
<b>Total</b>									<b>1219.70</b>
<b>UPTO DATE BILLED QNTY</b>									<b>1219.70</b>
<b>BALANCE QNTY</b>									<b>0.00</b>

Measurement recorded on :-

**EIRL-01** KSRB 15-20.1 : Providing and applying floor painting with ready mix paint in (excluding priming coat ) on new concrete I asbestos cement sheet/plastered surfaces brushing to give an even shade after preparing the surface after thoroughly cleaning oil, dirt, dust other foreign matter and sand papering including cost of materials, labour, complete as per specifications.

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2) /2	Depth (m)	Quantity
<b>DC quartress</b>										
			Sqm	1	100.0			0.55		55.0
			Sqm	1	100.0			0.55		55.0
<b>APMC junction to ambedkar bhavan circle</b>										
	LHS	165.9	Sqm		165.9			0.55		91.2
	LHS	63.6	Sqm		63.6			0.55		35.0
	LHS	25.7	Sqm		25.7			0.55		14.1
	LHS	111	Sqm		111.0			0.55		61.1
	LHS	31.4	Sqm		31.4			0.55		17.3
	RHS	82.7	Sqm		82.7			0.55		45.5
	RHS	68.1	Sqm		68.1			0.55		37.5
	RHS	96	Sqm		96.0			0.55		52.8
	RHS	74.3	Sqm		74.3			0.55		40.9
	RHS	19.6	Sqm		19.6			0.55		10.8
	RHS	53.4	Sqm		53.4			0.55		29.4
<b>Total</b>										<b>545.44</b>
<b>UPTO DATE BILLED QNTY</b>										<b>545.44</b>
<b>BALANCE QNTY</b>										<b>0.00</b>

**EIRL-02** Providing and fixing to wall, ceiling and floor unplasticised PVC 6. 00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. **160 mm**

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2) /2	Depth (m)	Quantity
<b>APMC junction to ambedkar bhavan circle</b>										
	12		m	1	12.0					12.0
<b>main line yarubnagar</b>										
	95		m		95.0					95.0

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**Director**

Section Engineer

Asst Executive Engineer

	100		m		100.0						100.0
	68		m		68.0						68.0
	78		m		78.0						78.0
										<b>Total</b>	<b>353.0</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>353.00</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

EIRL-03 KSRB13-8 : Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 I 13.9 for internal water supply connection **75mm**

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2) /2	Depth (m)	Quantity	
<b>APMC junction to ambedkar</b>											
	15		m	1	15.0					15.0	
<b>Distribution line yarubnagar</b>											
	20		m		20.0					20.0	
	45		m		45.0					45.0	
	62		m		62.0					62.0	
	15		m		15.0					15.0	
										<b>Total</b>	<b>157.0</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>157.00</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

EIRL-04 KSRB13-8 : Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 I 13.9 for internal water supply connection **50mm**

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1	Breadth B2	(B1+B2) /2	Depth (m)	Quantity	
<b>APMC junction to ambedkar</b>											
	10		m	1	10.0					10.0	
<b>distribution line yarubnagar</b>											
	25		m		25.0					25.0	
	35		m		35.0					35.0	
	41		m		41.0					41.0	
	20		m		20.0					20.0	
										<b>Total</b>	<b>131.0</b>
										<b>UPTO DATE BILLED QNTY</b>	<b>131.00</b>
										<b>BALANCE QNTY</b>	<b>0.00</b>

Measurement recorded on :-

EIRL-06 Solar Blinker (as approved rate in KSHIP)

	CH	CH	Unit	Sides/ No.s	Length (m)	Breadth B1 (m)	Breadth B2 (m)	(B1+B2) /2	Depth (m)	Quantity
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TO CONSTRUCTIONS PVT. LTD.

Contractor  
**Director**

Section Engineer  
10/8/2019

Asst-Executive Engineer



(4)

**GOVERNMENT OF KARNATAKA**

**Public works Department**

**ELECTRONIC MEASUREMENT BOOK NO;**

**EMB-3**

**PRAMC-BLACKSPOT-**

**3rd AND FINAL BILL**

**PAGE NO 01 TO 25**

**Name of the work: Road safety works on DD road to Nandhi cross  
via Konaghatta road, Doddaballapura Taluk, Bangalore rural  
district**

**PWD Sub-Division  
Doddaballapura**

**PWD Bangalore Division  
Bangalore**

### 3rd and Final Bill

<b>Name of the Division</b>	PWD Bangalore Division, Bangalore
<b>Name of the Sub-Division</b>	PWD Sub-Division Doddaballapura
<b>Name of Work</b>	Road safety works on DD road to Nandhi cross via Konaghatta road, Doddaballapura Taluk, Bangalore rural district.
<b>Estimate Cost</b>	130.00 Lakhs
<b>Sanction No.</b>	CER No.12/2018-19
<b>Head of Account</b>	3054-04-337-1-13-200-MDR-Road Safety works Maintenance Expenditure
<b>Date of Agreement</b>	Dt.05/01/2019
<b>Work Order No.</b>	34/2018-19, Date:05/01/2019
<b>Name of Contractor</b>	Sri G.H Raju, Ninada Constructions, No.4159, Niharika, 9th Cross, 'B' block, Subramanyanagar, Rajajinagar, 2nd stage, Bangalore-560021
<b>Measurement Book Reference</b>	M.B No.      Pg. No. EMB No:3      P No:1-25

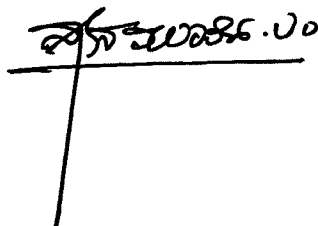
### 3rd and Final bill

**Name of work: Road safety works on DD road to Nandhi cross via Konaghatta road, Doddaballapura Taluk, Bangalore rural district.**

### Detailed Measurements

Item SI/No	Work Description					
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 including all lead and lift, loding and unloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Clearing jungle on slopes of tank bund on both sides						
11.50	11.55	2	50.00	5.00	500.00	
11.55	11.60	2	50.00	5.00	500.00	
11.60	11.64	2	40.00	5.00	400.00	
11.64	11.69	2	50.00	5.00	500.00	
11.69	11.74	2	50.00	5.00	500.00	
11.74	11.79	2	50.00	5.00	500.00	
11.79	11.84	2	50.00	5.00	500.00	
11.84	11.89	2	50.00	5.00	500.00	
11.89	11.94	2	50.00	5.00	500.00	
11.94	11.99	2	50.00	5.00	500.00	
11.99	12.04	2	50.00	5.00	500.00	
12.04	12.09	2	50.00	5.00	500.00	
12.09	12.14	2	50.00	5.00	500.00	
Sub total					6400.00	
Deduct 40% voids					2560.00	
Up to Date Qty					3840.00	Sqm
DPQ Vide EMB No-1, Page No					-2880.00	
Present Qty					960.00	Sqm
Present Qty	960.00	Rate Rs.	11.06	Amount	10618.00	

  
Contractor

  
Assistant Executive Engineer

Assistant Executive Engineer,  
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Item SI/No		Work Description					
2		KSRRB 300-48. Scarifying kankar / gravel / metal crust by mechanical means upto 150mm thick disposal of stuff including cost of all labour charges, HOM complete as per specifications. MORTH / Chapter 3 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total	
Slope of tank bund on U/S sides							
11.64	11.67	1	30.00		1.00	30.00	
11.67	11.70	1	30.00		2.40	72.00	
11.7	11.73	1	30.00		3.10	93.00	
11.73	11.76	1	30.00		3.60	108.00	
11.76	11.79	1	30.00		3.80	114.00	
11.79	11.82	1	30.00		4.00	120.00	
11.82	11.85	1	30.00		3.80	114.00	
11.85	11.88	1	30.00		3.60	108.00	
11.88	11.91	1	30.00		3.65	109.50	
11.91	11.94	1	30.00		4.10	123.00	
11.94	11.97	1	30.00		4.50	135.00	
11.97	12.00	1	30.00		3.80	114.00	
Up to Date Qty					1240.50	Sqm	
DPQ Vide EMB No-1, Page No					-1240.50		
Present Qty					0.00	Sqm	
Present Qty	0.00	Rate Rs.	26.54	Amount	0.00		

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Contractor

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₹ 2654.00

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Item Sl/No		Work Description				
3		KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work				
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
For Key trench of embankment seating on U/S side						
11.64	11.67	1	30.00	5.00	0.25	37.50
11.67	11.70	1	30.00	6.30	0.25	47.25
11.7	11.73	1	30.00	6.55	0.25	49.13
11.73	11.76	1	30.00	6.50	0.25	48.75
11.76	11.79	1	30.00	6.65	0.25	49.88
11.79	11.82	1	30.00	6.90	0.25	51.75
11.82	11.85	1	30.00	6.90	0.25	51.75
11.85	11.88	1	30.00	6.60	0.25	49.50
11.88	11.91	1	30.00	6.75	0.25	50.63
11.91	11.94	1	30.00	6.95	0.25	52.13
11.94	11.97	1	30.00	7.90	0.25	59.25
For fixing Metal Beam Crash Barrier Foundation						
	364	0.45	0.45	1.10		81.08
Up to Date Qty						628.58
DPO Vide EMB No-1 & 2, Page No						-614.00
Present Qty						14.58
Present Qty	14.58	Rate Rs.	45.33	Amount	Cum	661.00

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Contractor

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1000000.00

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Assistant Executive Engineer,  
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Doddaballapura

Item SI/No		Work Description				
4		KSRRB M300-53. Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work				
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
For Key trench of embankment seating on U/S side						
11.64	11.67	1	30.00	5.00	0.25	37.50
11.67	11.70	1	30.00	6.30	0.25	47.25
11.7	11.73	1	30.00	6.55	0.25	49.13
11.73	11.76	1	30.00	6.50	0.25	48.75
11.76	11.79	1	30.00	6.65	0.25	49.88
11.79	11.82	1	30.00	6.90	0.25	51.75
11.82	11.85	1	30.00	6.90	0.25	51.75
11.85	11.88	1	30.00	6.60	0.25	49.50
11.88	11.91	1	30.00	6.75	0.25	50.63
11.91	11.94	1	30.00	6.95	0.25	52.13
11.94	11.97	1	30.00	7.90	0.25	59.25
Qty as per the statement enclosed					16043.70	
Up to Date Qty					16591.20	
Qty Reserved					16043.69	
DPQ Vide EMB No-1 & 2, Page No					-11962.31	
Prasent Qty					4081.38	Cum
Present Qty	4081.38	Rate Rs.	359.35	Amount		
Up to 125%	1020.35	Rate Rs.	359.35	Amount	366661.00	
Above 125%	3061.04	Rate Rs.	359.35	Amount	1099983.00	


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Contractor


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2015 30086.00

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Item SI/No		Work Description					
5		KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
Chinage		No	Length	Avg Width	Avg Depth	Quantity	Grand total
11.64	11.67	1	30.00	4.70	0.25	35.25	
11.67	11.70	1	30.00	4.60	0.25	34.50	
11.7	11.73	1	30.00	4.50	0.25	33.75	
11.73	11.76	1	30.00	4.00	0.25	30.00	
11.76	11.79	1	30.00	4.00	0.25	30.00	
11.79	11.82	1	30.00	4.00	0.25	30.00	
11.82	11.85	1	30.00	4.30	0.25	32.25	
11.85	11.88	1	30.00	4.40	0.25	33.00	
11.88	11.91	1	30.00	4.60	0.25	34.50	
11.91	11.94	1	30.00	4.00	0.25	30.00	
11.94	11.97	1	30.00	4.00	0.25	30.00	
11.97	12.00	1	30.00	4.00	0.25	30.00	
Up to Date Qty						383.25	Cum
DPO Vide EMB No-2, Page No						-383.25	
05/8/19 Present Qty						0.00	Cum
Present Qty		0.00	Rate Rs.		2087.57	Amount	0.00

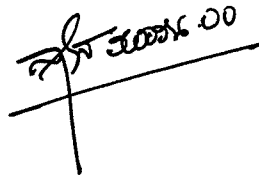
  
Contractor


  
Assistant Executive Engineer

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No		Work Description					
6		KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
Chinage		No	Length	Avg Width	Avg Depth	Quantity	Grand total
11.64	11.67	1	30.00	4.70		141.00	
11.67	11.70	1	30.00	4.60		138.00	
11.7	11.73	1	30.00	4.50		135.00	
11.73	11.76	1	30.00	4.00		120.00	
11.76	11.79	1	30.00	4.00		120.00	
11.79	11.82	1	30.00	4.00		120.00	
11.82	11.85	1	30.00	4.30		129.00	
11.85	11.88	1	30.00	4.40		132.00	
11.88	11.91	1	30.00	4.60		138.00	
11.91	11.94	1	30.00	4.00		120.00	
11.94	11.97	1	30.00	4.00		120.00	
11.97	12.00	1	30.00	4.00		120.00	
Up to Date Qty						1533.00	Sqm
DPQ Vide EMB No-2, Page No						-1533.00	
Present Qty						0.00	Sqm
Present Qty		0.00	Rate Rs.		37.59	Amount	0.00

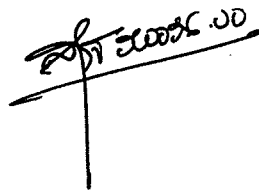
  
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30000.00

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
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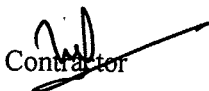
Item SI/No		Work Description					
7		KSRRB M500-10. Providing and applying tack coat using 80/100 grade bitumen(VG10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mchancial broom. complete as per specifications. MORTH Specification No. 503 - do - using Bitumen 80/100 (VG-10) on primed surfaces including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
Chinage		No	Length	Avg Width	Avg Depth	Quantity	Grand total
11.64	11.67	1	30.00	(5.80+5.80)/2		174.00	
11.67	11.70	1	30.00	(5.80+5.85)/2		174.75	
11.7	11.73	1	30.00	(5.85+6.00)/2		177.75	
11.73	11.76	1	30.00	(6.00+6.80)/2		192.00	
11.76	11.79	1	30.00	(8.50+6.00)/2		217.50	
11.79	11.82	1	30.00	(8.60+8.60)/2		258.00	
11.82	11.85	1	30.00	(8.60+9.20)/2		267.00	
11.85	11.88	1	30.00	(9.20+9.10)/2		274.50	
11.88	11.91	1	30.00	(9.10+9.10)/2		273.00	
11.91	11.94	1	30.00	(9.10+8.10)/2		258.00	
11.94	11.97	1	30.00	(8.10+8.30)/2		246.00	
11.97	12.00	1	30.00	(8.30+8.40)/2		250.50	
12	12.03	1	30.00	(8.40+8.20)/2		249.00	
12.03	12.06	1	30.00	(8.20+7.00)/2		228.00	
12.06	12.09	1	30.00	(7.00+6.50)/2		202.50	
Up to Date Qty						3442.50	Sqm
DPQ Vide EMB No-2, Page No						-3442.50	
Present Qty						0.00	Sqm
Present Qty		0.00	Rate Rs.		13.27	Amount	0.00

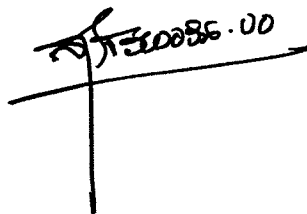
  
Contractor

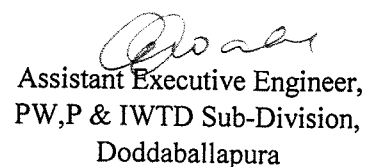
  
Assistant Executive Engineer

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No		Work Description					
8		KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
Chinage		No	Length	Avg Width	Avg Depth	Quantity	Grand total
For Profile Correction		2	6.40	1.90	0.05	1.22 ✓	
		2	12.40	2.00	0.05	2.48 ✓	
		2	24.00	2.40	0.05	5.76 ✓	
		2	15.00	1.80	0.05	2.70 ✓	
		2	18.00	1.50	0.05	2.70 ✓	
Edge Correction		1	22.00	0.40	0.05	0.44 ✓	
11.64	11.67	1	30.00	4.70	0.05	7.05 ✓	
11.67	11.70	1	30.00	4.60	0.05	6.90 ✓	
11.70	11.73	1	30.00	4.70	0.05	7.05 ✓	
11.73	11.76	1	30.00	4.60	0.05	6.90 ✓	
11.76	11.79	1	30.00	4.50	0.05	6.75 ✓	
11.79	11.82	1	30.00	4.00	0.05	6.00 ✓	
11.82	11.85	1	30.00	4.00	0.05	6.00 ✓	
11.85	11.88	1	30.00	4.00	0.05	6.00 ✓	
11.88	11.91	1	30.00	4.30	0.05	6.45 ✓	
11.91	11.94	1	30.00	4.40	0.05	6.60 ✓	
11.94	11.97	1	30.00	4.60	0.05	6.90 ✓	
11.97	12.00	1	30.00	4.00	0.05	6.00 ✓	
12.00	12.03	1	30.00	4.00	0.05	6.00 ✓	
12.03	12.06	1	30.00	4.00	0.05	6.00 ✓	
12.06	12.09	1	30.00	4.00	0.05	6.00 ✓	
12.09	12.12	1	30.00	5.50	0.05	8.25 ✓	
Up to Date Qty						120.15 ✓	Cum
DPQ Vide EMB No-2, Page No						-110.00	
23/8/19 Present Qty						10.15 ✓	Cum
Present Qty		10.15	Rate Rs.		6438.52	Amount	65325.00

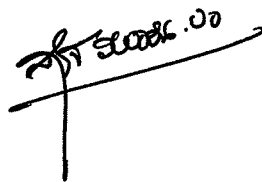
  
Contractor


  
₹ 65325.00

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
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Item SI/No		Work Description					
9		KSRRB M500-18. Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 508 complete in all respects complete as per specifications do - using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (25 mm to 30 mm) with 5 % VG-30 Bitumen including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
Chinage		No	Length	Avg Width	Avg Depth	Quantity	Grand total
11.64	11.67	1	30.00	(5.80+5.80)/2	0.025	4.35	
11.67	11.70	1	30.00	(5.80+5.85)/2	0.025	4.37	
11.7	11.73	1	30.00	(5.85+6.00)/2	0.025	4.44	
11.73	11.76	1	30.00	(6.00+6.80)/2	0.025	4.80	
11.76	11.79	1	30.00	(8.50+6.00)/2	0.025	5.44	
11.79	11.82	1	30.00	(8.60+8.60)/2	0.025	6.45	
11.82	11.85	1	30.00	(8.60+9.20)/2	0.025	6.68	
11.85	11.88	1	30.00	(9.20+9.10)/2	0.025	6.86	
11.88	11.91	1	30.00	(9.10+9.10)/2	0.025	6.83	
11.91	11.94	1	30.00	(9.10+8.10)/2	0.025	6.45	
11.94	11.97	1	30.00	(8.10+8.30)/2	0.025	6.15	
11.97	12.00	1	30.00	(8.30+8.40)/2	0.025	6.26	
12.00	12.03	1	30.00	(8.40+8.20)/2	0.025	6.23	
12.03	12.06	1	30.00	(8.20+7.00)/2	0.025	5.70	
12.06	12.09	1	30.00	(7.00+6.50)/2	0.025	5.06	
12.09	12.12	1	30.00	(5.50+5.50)/2	0.025	4.13	
Up to Date Qty						90.19	Cum
DPQ Vide EMB No-2, Page No						-86.06	
23/8/19 Present Qty						4.13	Cum
Present Qty		4.13	Rate Rs.		8647.72	Amount	35693.00

  
Contractor

  
30000.00

  
Assistant Executive Engineer,  
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Doddaballapura

Item SI/No		Work Description					
10		KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage		No	Length	Avg Width	Avg Depth	Quantity	Grand total
11.64	11.67	2	30.00	0.15		9.00	
11.67	11.70	2	30.00	0.15		9.00	
11.7	11.73	2	30.00	0.15		9.00	
11.73	11.76	2	30.00	0.15		9.00	
11.76	11.79	2	30.00	0.15		9.00	
11.79	11.82	2	30.00	0.15		9.00	
11.82	11.85	2	30.00	0.15		9.00	
11.85	11.88	2	30.00	0.15		9.00	
11.88	11.91	2	30.00	0.15		9.00	
11.91	11.94	2	30.00	0.15		9.00	
11.94	11.97	2	30.00	0.15		9.00	
11.97	12.00	2	30.00	0.15		9.00	
12.00	12.03	2	30.00	0.15		9.00	
12.03	12.06	2	30.00	0.15		9.00	
12.06	12.09	2	30.00	0.15		9.00	
12.09	12.12	2	30.00	0.15		9.00	
12.12	12.15	2	30.00	0.15		9.00	
12.15	12.18	2	30.00	0.15		9.00	
12.18	12.21	2	30.00	0.15		9.00	
12.21	12.24	2	30.00	0.15		9.00	
12.24	12.27	2	30.00	0.15		9.00	
Corss Line		2x5	6.00	0.15		9.00	
Center Line		1	225.00	0.15		33.75	
Up to Date Qty						231.75	Sqm
DPQ Vide EMB No-2, Page No						-177.75	
288 Present Qty						54.00	Sqm
Present Qty		54.00	Rate Rs.	474.35	Amount	25615.00	

Contractor

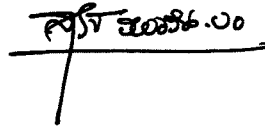
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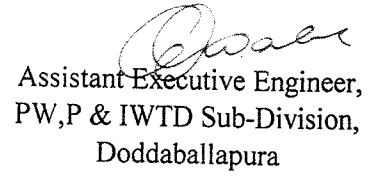
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura



Item SI/No	Work Description					
11	Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing. (Standard data Book data) 900 MM Equilateral triangle - TYPE XI including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	8				8.00	
				Total Qty	8.00	No
Present Qty	8.00	Rate Rs.	2756.52	Amount	22052.00	

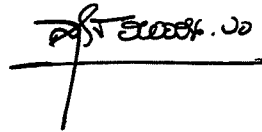
  
Contractor


  
₹ 22052.00

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
12	Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and inforamatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing. (Standard data Book data) 600 MM Equilateral triangle - TYPE XI including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	6	28/8			6.00	
				Total Qty	6.00	No
Present Qty	6.00		Rate Rs.	3452.01	Amount	20712.00

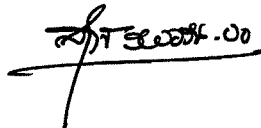
  
Contractor


  
Assistant Executive Engineer

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
13	Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing. (Standard data Book data) 600 X 450 mm - TYPE XI including all lead and lift, loading and nloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	20				20.00	
	a 05/10/19			Total Qty	20.00	No
Present Qty	20.00	Rate Rs.	3381.25	Amount	67625.00	

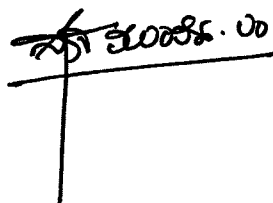
  
Contractor


  
27/10/19

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
14	<p>KSRRB M800 Road markers / Road stud KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer with 2 years warranty for the reflectivity from the original manufacturer is mandatory along with necessary test certification from the certified laboratory. Third party test certificates from a reputed test laboratory shall be submitted with Seal and Signature in Originals. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer in charge of work</p>					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	250				250.00	
	60				60.00	
	Up to Date Qty				310.00	Nos
	DPQ Vide EMB No-2, Page No				-100.00	
	Present Qty				210.00	Nos
Present Qty	210.00		Rate Rs.	372.62	Amount	78250.00

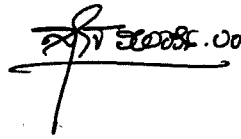
  
Contractor


  
25/10/2019

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
15	Manufacturing, Supply and installation of Retro- reflective Hazard Marker signboards made out of cube corner micro prismatic grade sheeting conforming to Type XI standards of IRC:67:2012 & ASTM D 4956-09 specification & fixed over 4 mm thick Aluminium Composite Panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over back support frame of 25x25x 3mm MS angle frame. Supported on round pipe post of 1.5 Meters height and gouted 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and two coats of synthetic enamel paint of black and firmly fixed to the ground by means of foundation with M 20 grade cement, concrete foundation size of 45 cm x 45 cm x 60 cm including cost & conveyance of all materials, equipment, machinery & Labour with all leads and lifts, Loading charges necessary for satisfactory completion of the work as directed by engineer incharge including all lead and lift, loding and nloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	4	0.40		1.20	1.92	
				Total Qty	1.92	Sqm
Present Qty	1.92		Rate Rs.	5161.43	Amount	9910.00

  
Contractor

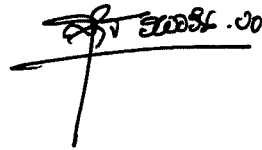
  
27/10/2018 .00


  
Assistant Executive Engineer,  
PW, P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
16	Direction and Place Identification Signs with size morethan 0.9 sqm Size Board: Providing and erecting direction and place identification retro-reflectorised sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 2 mm thick with area not exceeding 0.9 sqm supported on a mild steel single angle iron post 75 x 75 x 6 mm , 2 Nos. firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	2	1.20		1.00	2.40	
				Total Qty	2.40	Sqm
Present Qty	2.40		Rate Rs.	7883.68	Amount	18921.00

9.05/10/19

  
Contractor

  
7883.68 .00

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item Sl/No		Work Description					
17		KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murram with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications, including cost of earth, watering charges & compaction by vibratory roller to 97% of modified proctors density) MORTH Specification No. 305 including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
		No	Length	Avg Width	Avg Depth	Quantity	Grand total
RHS							
11.64	11.67	1	30.00	2.00	0.325	19.50	✓
11.67	11.70	1	30.00	2.00	0.325	19.50	✓
11.7	11.73	1	30.00	1.80	0.325	17.55	✓
11.73	11.76	1	30.00	2.00	0.325	19.50	✓
11.76	11.79	1	30.00	1.50	0.325	14.63	✓
11.79	11.82	1	30.00	2.00	0.325	19.50	✓
11.82	11.85	1	30.00	1.90	0.325	18.53	✓
11.85	11.88	1	30.00	2.00	0.325	19.50	✓
11.88	11.91	1	30.00	1.80	0.325	17.55	✓
11.91	11.94	1	30.00	2.00	0.325	19.50	✓
11.94	11.97	1	30.00	1.80	0.325	17.55	✓
11.97	12.00	1	30.00	2.00	0.325	19.50	✓
12.00	12.03	1	30.00	1.80	0.325	17.55	✓
12.03	12.06	1	30.00	2.00	0.325	19.50	✓
12.06	12.09	1	30.00	1.90	0.325	18.53	✓
12.09	12.12	1	30.00	2.00	0.325	19.50	✓
12.12	12.15	1	30.00	1.90	0.325	18.53	✓
12.15	12.18	1	30.00	1.80	0.325	17.55	✓
LHS							
11.64	11.67	1	30.00	1.00	0.100	3.00	✓
11.67	11.70	1	30.00	1.00	0.100	3.00	✓
11.7	11.73	1	30.00	1.00	0.100	3.00	✓
11.73	11.76	1	30.00	1.00	0.100	3.00	✓
11.76	11.79	1	30.00	1.00	0.100	3.00	✓
11.79	11.82	1	30.00	1.00	0.100	3.00	✓
11.82	11.85	1	30.00	1.00	0.100	3.00	✓
11.85	11.88	1	30.00	1.00	0.100	3.00	✓

gr 05/10/19

₹ 30000.00

11.88	11.91	1	30.00	1.00	0.100	3.00	
11.91	11.94	1	30.00	1.00	0.100	3.00	
11.94	11.97	1	30.00	1.00	0.100	3.00	
11.97	12.00	1	30.00	1.00	0.100	3.00	
12.00	12.03	1	30.00	1.00	0.100	3.00	
12.03	12.06	1	30.00	1.00	0.100	3.00	
12.06	12.09	1	30.00	1.00	0.100	3.00	
12.09	12.12	2	30.00	1.00	0.100	6.00	
12.12	12.15	2	30.00	1.00	0.100	6.00	
12.15	12.18	2	30.00	1.00	0.100	6.00	
Up to Date Qty						396.45	Cum
DPO Vide EMB No-2, Page No						-390.00	
Present Qty						6.45	Cum
Present Qty	6.45	Rate Rs.	385.89	Amount	2489.00		

OK

9

05/10/19

Contractor

385.89 .00

Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura



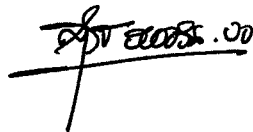
Item SI/No		Work Description				
18		KSRRB M2500-4.1. Providing and laying Pitching stones of size 0.3x0.3x0.3 on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications including cost of materials, labour, HOM complete as per specifications. A. Stone / Boulder MORTH Specification No. 2504 including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work				
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
On Slope of Widened Embankment on U/s of Tank Bund	1	375.00	0.60	1.20	270.00	
11.64	11.66	1	15.00	7.50	0.30	33.75
11.66	11.67	1	15.00	8.00	0.30	36.00
11.67	11.69	1	15.00	8.60	0.30	38.70
11.69	11.70	1	15.00	8.20	0.30	36.90
11.70	11.72	1	15.00	8.40	0.30	37.80
11.72	11.73	1	15.00	8.00	0.30	36.00
11.73	11.75	1	15.00	7.80	0.30	35.10
11.75	11.76	1	15.00	7.30	0.30	32.85
11.76	11.78	1	15.00	6.80	0.30	30.60
11.78	11.79	1	15.00	6.80	0.30	30.60
11.79	11.81	1	15.00	7.00	0.30	31.50
11.81	11.82	1	15.00	7.50	0.30	33.75
11.82	11.84	1	15.00	7.50	0.30	33.75
11.84	11.85	1	15.00	8.20	0.30	36.90
11.85	11.87	1	15.00	8.70	0.30	39.15
11.87	11.88	1	15.00	8.00	0.30	36.00
11.88	11.90	1	15.00	8.00	0.30	36.00
11.90	11.91	1	15.00	7.30	0.30	32.85
11.91	11.93	1	15.00	7.00	0.30	31.50
11.93	11.94	1	15.00	7.30	0.30	32.85


cf  
05/10/19

Rs 20000.00

11.94	11.96	1	15.00	7.00	0.30	31.50	
11.96	11.97	1	15.00	7.50	0.30	33.75	
11.97	11.99	1	15.00	6.00	0.30	27.00	
11.99	12.00	1	15.00	5.80	0.30	26.10	
12.00	12.02	1	15.00	5.80	0.30	26.10	
Up to Date Qty						1107.00	
DPQ Vide EMB No-1 & 2, Page No						-866.25	
Present Qty						240.75	Cum
Present Qty	240.75	Rate Rs.	1783.50	Amount			
Up to 125%	216.56	Rate Rs.	1783.50	Amount	386235.00		
Above 125%	24.19	Rate Rs.	1783.50	Amount	43143.00		

  
Contractor

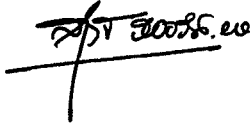
  
24/10/19


  
Assistant Executive Engineer,  
PW, P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
19	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
For fixing Metal Beam Crash Barrier						
	364	0.45	0.45	0.20	14.74	
Up to Date Qty					14.74	Cum
DPQ Vide EMB No-1, Page No					-12.00	
Present Qty					2.74	Cum
Present Qty	2.74	Rate Rs.	5641.31	Amount	15468.00	

05/10/19

  
Contractor


  
S. V. Suresh. ee

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
20	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	DPQ Vide EMB No-1, Page No				8.49	
	Up to Date Qty				8.49	Cum
	DPQ Vide EMB No-1, Page No				-8.49	
	Present Qty				0.00	Cum

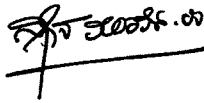
Contractor


Rs 220000.00

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
21	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Nill						

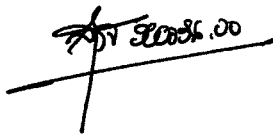
Contractor




  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
23	Road Humps / Speed breakers for control of vehicular speeds on roads Providing road humps for the entire formation width, using bituminous premix materials and heavy duty cobble stones 60 mm thick, having road hump dimension of 1.00 mtr. (width) X 0.15 mtr (height) rectangular sections and ramp on either side of road hump of 0.85 mtr (wide), including providing WBM (2 layers) for shoulder portion 1.7mts in length on either side, completing with road marking paint with applied thermoplastic compound with reflecting glass beads on bituminous surface and providing 2 Nos. retro reflective traffic signs as per IRC SP 67 -2010 (for details refer IRC 99-1988) Intermediate lane for formation width of 9.00 mtrs using SDBC mix material including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Nill						

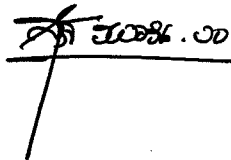
  
Contractor




  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
22	KSRRB M800-23.1. Metal Beam Crash Barrier:-Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 800.10 complete as per specifications. Excluding cost of earth work excavation and PCC for fixing. A. Type - A, "W" MORTH Specification No. 810 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Item SI/No	No	Length	Avg Width	Avg Depth	Quantity	Grand total
For fixing Metal Beam Crash Barrier						
LH	350				350.00	
RH	378				378.00	
Up to Date Qty					728.00	
DPQ Vide EMB No-1 & 2, Page No					-600.00	M
Present Qty					128.00	M
Present Qty	128.00		Rate Rs.	2190.71	Amount	280411.00

  
Contractor

  
25/10/19

  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura  
†

Item SI/No		Work Description					
24		Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC. Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
		No	Length	Avg Width	Avg Depth	Quantity	Grand total
11.64	11.67	1	30.00	8.50	0.20	51.00	
11.67	11.70	1	30.00	8.50	0.20	51.00	
11.7	11.73	1	30.00	8.00	0.20	48.00	
11.73	11.76	1	30.00	7.50	0.20	45.00	
11.76	11.79	1	30.00	7.50	0.20	45.00	
11.79	11.82	1	30.00	7.50	0.20	45.00	
11.82	11.85	1	30.00	7.50	0.20	45.00	
11.85	11.88	1	30.00	7.50	0.20	45.00	
11.88	11.91	1	30.00	7.50	0.20	45.00	
11.91	11.94	1	30.00	7.50	0.20	45.00	
11.94	11.97	1	30.00	7.50	0.20	45.00	
11.97	12.00	1	30.00	7.50	0.20	45.00	
Up to Date Qty						555.00	Cum
DPO Vide EMB No-1 & 2, Page No						-555.00	
Present Qty						0.00	Cum
Present Qty		0.00	Rate Rs.	1935.06	Amount	0.00	

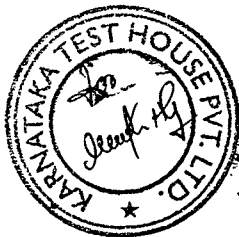
Contractor

2647500.00

Assistant Executive Engineer,  
PW.P & IWTD Sub-Division,  
Doddaballapura

BR No 58  
18/12/24

31 Rmold 51



2500156 -

3000/8 -

2800174 -

50010 -

50010 -

27000 -

25100 -

556 -

152674

2647500 -

H/A 3054 MDR

Admitted For Rs: 2800174 -

Pay by Cheque Rs: 2647500 -

(in words):

By Adjustment Rs: 152674 -

Auditor

Audit Officer

Engineer in Charge  
PRAMC, B

5

BRNO -  $\frac{104}{1/10/21}$

**GOVERNMENT OF KARNATAKA**

**Public works Department**

**ELECTRONIC MEASUREMENT BOOK NO;**

**EMB-3**

**PRAMC-BLACKSPOT-**

**3rd AND FINAL BILL**

**PAGE NO 03 TO 32**

**Name of the work: Road safety works on Madhure Temple  
(Kanasavadi)-Honnagara-Purushanahalli Road, Doddaballapura  
Taluk, Bangalore rural district.**

**PWD Sub-Division  
Doddaballapura**

**PWD Bangalore Division  
Bangalore**



<b>3rd and Final Bill</b>	
<b>Name of the Division</b>	<b>PWD Bangalore Division, Bangalore</b>
<b>Name of the Sub-Division</b>	<b>PWD Sub-Division Doddaballapura</b>
<b>Name of Work</b>	<b>Road safety works on Madhure Temple (Kanasavadi)-Honnagara-Purushanahalli Road, Doddaballapura Taluk, Bangalore rural district.</b>
<b>Estimate Cost</b>	<b>100.00 Lakhs</b>
<b>Sanction No.</b>	<b>CER No.103/2018-19</b>
<b>Head of Account</b>	<b>3054-04-337-1-13-200-MDR-Road Safety works Maintenance Expenditure</b>
<b>Date of Agreement</b>	<b>Dt.22/02/2019</b>
<b>Work Order No.</b>	<b>125/2018-19, Date:22/02/2019</b>
<b>Name of Contractor</b>	<b>Sri. M B Lohith, Class III Contractor, #18, 2nd Main Road, 9th Cross, Mahalakshmpura, Bangeluru</b>
<b>Measurement Book Reference</b>	<b>M.B No. Pg. No. EMB No:3 P No:1-32</b>

**3rd and Final bill**

**Name of work: Road safety works on Madhure Temple (Kanasavadi)-  
Honnagara-Purushanahalli Road, Doddaballapura Taluk, Bangalore rural  
district.**

**Detailed Measurements**

Item SI/No	Work Description					
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 including all lead and lift, loding and unloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
					14100.00	
	Previous Qty EMB No-1 & 2, Page No				14100.00	
	Present Measurments				0.00	
	Qty Paid vide 2nd Bill				13440.00	
	Qty to be released Now				660.00	Sqm
Present Qty	660.00	Rate Rs.	10.81	Amount	7135.00	

*Lohith H.B*  
Contractor

*Heaven*  
23/11/2020

*Heaven* 23/11  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					519.23	
Present Measurments					0.00	
Qty Paid vide 2nd Bill					435.89	
Qty to be released Now					83.39	Cum
Present Qty	83.39	Rate Rs.	44.34	Amount	3698.00	

*Lokesh H.B*  
Contractor

*[Signature]* 23/11  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

*[Signature]*  
23/11/2020

Handwritten calculations:  
 519.23  
 (-) 83.39  
 -----  
 435.84  
 (-) 435.89  
 -----  
 726 = 912000  
 19345 - 00

Item SI/No	Work Description					
3	KSRRB M300-53. Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications. (which includes cost of gravel / murum, watering charges & compaction by vibratory roller) MORTH Specification No. 305 including all lead and lift, loading and unloading, hire charges of machinery and equipments, transportation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					783.00	
Present Measurements					0.00	
Qty Paid vide 2nd Bill					720.00	
Qty to be released Now					63.00	Cum
Present Qty	63.00	Rate Rs.	351.45	Amount	22141.00	

*L. S. H. B.*

Contractor

*Jejee*  
23/11/2020

*Jejee* 23/11  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
4	KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller) MORTH Specification No. 305 including all lead and lift, loding and unloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	Previous Qty EMB No-1 & 2, Page No				504.00	
	Present Measurments				0.00	
	Qty Paid vide 2nd Bill				412.50	
	Qty to be released Now				91.50	Cum
<b>Present Qty</b>	<b>91.50</b>	<b>Rate Rs.</b>	<b>377.41</b>	<b>Amount</b>	<b>34533.00</b>	

*Lohith H.B*  
Contractor

*Heeenee*  
23/11/2020

*Prasanna 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
5	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1, Page No					208.00	
Present Measurments					0.00	
Up to Date Qty					208.00	
DPQ Vide EMB No-1, Page No					-208.00	
Qty To be Paid					0.00	

*Lokesh H.B*  
Contractor

*Recees*  
23/11/2020

*Recees* 23/11  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
6	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1, Page No					143.00	
Present Measurments					0.00	
Up to Date Qty					143.00	
DPQ Vide EMB No-1, Page No					-143.00	
Qty To be Paid					0.00	

*Lokesh H.B*  
Contractor

*Recees*  
23/12/2020

*Recees* 23/11  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
7	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 including all lead and lift, loding and unloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Nil						

*Lohith H.B*  
Contractor

*Jeeseer*  
23/11/2020

*Jeeseer* 23/11  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
8	KSRRB M500-10. Providing and applying tack coat using 80/100 grade bitumen(VG10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mchancial broom. complete as per specifications. MORTH Specification No. 503 - do - using Bitumen 80/100 (VG-10) on primed surfaces including all lead and lift, loding and unloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					6377.59	
Present Measurments					0.00	
Up to Date Qty					6377.59	
DPQ Vide EMB No-1, Page No					-6377.59	
Qty To be Paid					0.00	Sqm

*Lohith H.B*  
Contractor

*Jeeseer*  
23/11/2020

*Jeeseer* 23/11  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
9	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	Previous Qty EMB No-1 & 2, Page No				318.88	
	Present Measurements				0.00	
	Qty Paid vide 2nd Bill				256.13	
	Qty to be released Now				62.75	Cum
Present Qty	62.75		Rate Rs.	5793.27	Amount	363528.00

*Lohith. M.B*

Contractor

*Seaver*

*23/11/2020*

*Seaver 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura



Item SI/No	Work Description					
10	KSRRB M500-18. Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 508 complete in all respects complete as per specifications do - using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (25 mm to 30 mm) with 5 % VG-30 Bitumen including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					159.44	
Present Measurements					0.00	
Up to Date Qty					159.44	
DPQ Vide EMB No-1, Page No					131.06	
Qty To be Paid					28.38	Cum

Rate @. 8377.97

237766.00

*Lokith H. B*

Contractor

*23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
11	KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 including all lead and lift, loding and unloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					382.62	
Present Measurements					0.00	
Up to Date Qty					382.62	
DPQ Vide EMB No-1 & 2, Page No					-382.62	
Qty To be Paid					0.00	Sqm

*Lokith H. B*

Contractor

*23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
12	Direction and Place Identification Signs with size morethan 0.9 sqm Size Board: Providing and erecting direction and place identification retro-reflectorised sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 2 mm thick with area not exceeding 0.9 sqm supported on a mild steel single angle iron post 75 x 75 x 6 mm , 2 Nos. firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing including all lead and lift, lodjng and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					7.20	
Present Measurments					0.00	
Qty Paid vide 2nd Bill					3.60	
Qty to be released Now					3.60	<b>Sqm</b>
<b>Present Qty</b>	<b>3.60</b>	<b>Rate Rs.</b>	<b>7710.36</b>	<b>Amount</b>	<b>27757.00</b>	

*Lohith H.B*

Contractor

*Chase 23/11*

Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

*leaves  
23/11/2020*

Item SI/No	Work Description					
13	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per revised IRC :67- 2012 made of high intensity grade sheeting vide clause 800.1.3, fixed over Aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTH Specification No.801 60cm equilateral triangle -Type XI including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					15.00	
Present Measurments					0.00	
Qty Paid vide 2nd Bill					6.00	
Qty to be released Now					9.00	No
Present Qty	9.00	Rate Rs.	2692.92	Amount	24236.00	

*Lachith H. B*

Contractor

*Receives*

*23/11/2020*

*Prasad 23/11*

Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
14	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per revised IRC :67- 2012 made of high intensity grade sheeting vide clause 800.1.3, fixed over Aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTH Specification No.801 600 MM Circle - TYPE XI including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					8.00	
Present Measurments					0.00	
Qty Paid vide 2nd Bill					6.00	
Qty to be released Now					2.00	No
Present Qty	2.00	Rate Rs.	3376.12	Amount	6752.00	

*Lohith H. B*

Contractor

*Receved*  
23/11/2020

*[Signature]*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No		Work Description				
15	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per revised IRC :67- 2012 made of high intensity grade sheeting vide clause 800.1.3, fixed over Aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTH Specification No.801 600 X 450 mm - TYPE XI including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					20.00	
Present Measurments					0.00	
Qty Paid vide 2nd Bill					0.00	
Qty to be released Now					20.00	No
Present Qty	20.00	Rate Rs.	3306.91	Amount	66138.00	

*Lohith A.B*

Contractor

*Heera*  
23/11/2020

*Praveen* 23/11

Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
16	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per revised IRC :67- 2012 made of high intensity grade sheeting vide clause 800.1.3, fixed over Aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTH Specification No.801 600 X 450 mm - TYPE XI including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					2.00	
Present Measurments					0.00	
Qty Paid vide 2nd Bill					1.00	
Qty to be released Now					1.00	<b>No</b>
<b>Present Qty</b>	<b>1.00</b>	<b>Rate Rs.</b>	<b>5457.81</b>	<b>Amount</b>	<b>5458.00</b>	

*Lohith H.B*  
Contractor

*Hee*  
23/11/2020

*23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
17	<p>Manufacturing, Supply and installation of Retro- reflective Hazard Marker signboards made out of cube corner micro prismatic grade sheeting conforming to Type XI standards of IRC:67:2012 &amp; ASTM D 4956-09 specification &amp; fixed over 4 mm thick Aluminium Composite Panel sheet having minimum 0.30 mm thick aluminum skin on both sides &amp; fixed over back support frame of 25x25x 3mm MS angle frame. Supported on round pipe post of 1.5 Meters height and gouted 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and two coats of synthetic enamel paint of black and firmly fixed to the ground by means of foundation with M 20 grade cement, concrete foundation size of 45 cm x 45 cm x 60 cm including cost &amp; conveyance of all materials, equipment, machinery &amp; Labour with all leads and lifts, Loading charges necessary for satisfactory completion of the work as directed by engineer incharge including all lead and lift, loding and unloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work</p>					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					6.00	
Present Measurments					0.00	
Qty Paid vide 2nd Bill					4.00	
Qty to be released Now					2.00	Each
Present Qty	2.00	Rate Rs.	5047.96	Amount	10096.00	

*Lohith H.B*  
Contractor

*Received*  
25/11/20

*[Signature]* 25/11  
Assistant Executive Engineer,  
PW, P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
18	KSRRB M800 Road markers / Road stud KSRRB M800-35. Supply and Installation of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer with 2 years warranty for the reflectivity from the original manufacturer is mandatory along with necessary test certification from the certified laboratory. Third party test certificates from a reputed test laboratory shall be submitted with Seal and Signature in Originals. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					1600.00	
Present Measurments					0.00	
Qty Paid vide 2nd Bill					708.00	
Qty to be released Now					892.00	Nos
Present Qty	892		Rate Rs.	364.43	Amount	325072.00

*Lohith. M.B*

Contractor

*23/11/2020*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

*Release*  
*23/11/2020*



Item SI/No	Work Description					
19	KSRRB M800-23.1. Metal Beam Crash Barrier:-Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 800.10 complete as per specifications. Excluding cost of earth work excavation and PCC for fixing. A. Type - A, "W" MORTH Specification No. 810 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	Previous Qty EMB No-1, Page No				460.00	
	Present Measurments				0.00	
	Up to Date Qty				460.00	
	DPQ Vide EMB No-1, Page No				-460.00	
	Qty To be Paid				0.00	

*Lohith H.B*  
Contractor

*Heaven*  
23/11/2020

*Heaven 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
20	KSRRB M2500-4.1. Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications A. Stone / Boulder MORTH Specification No. 2504 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	Previous Qty EMB No-1 & 2, Page No				158.40	
	Present Measurments				0.00	
	Up to Date Qty				158.40	
	DPQ Vide EMB No-1 & 2, Page No				-158.40	
	Qty To be Paid				0.00	Cum

*Lohith H.B*  
Contractor

*Heaven*  
23/11/2020

*Heaven 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
22	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 including all lead and lift, loding and nloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					19.72	
Present Measurments					0.00	
Qty Paid vide 2nd Bill					16.87	
Qty to be released Now					2.85	<b>Cum</b>
<b>Present Qty</b>	<b>2.85</b>	<b>Rate Rs.</b>	<b>5713.02</b>	<b>Amount</b>	<b>16282.00</b>	

*Lohith M.B*  
Contractor

*Jejee*  
25/11/2020

*Jejee 25/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
21	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					30.20	
Present Measurments					0.00	
Up to Date Qty					30.20	
DPQ Vide EMB No-1, Page No					-30.20	
Qty To be Paid					0.00	Cum

*Lothi H.B*  
Contractor

*23/11/2011*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
23	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 900mm. dia including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					5.00	
Present Measurments					0.00	
Up to Date Qty					5.00	
DPQ Vide EMB No-1 & 2, Page No					-5.00	
Qty To be Paid					0.00	M

*Lothi H.B*  
Contractor

*23/11/2011*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
24	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					16.91	
Present Measurments					0.00	
Up to Date Qty					16.91	
DPQ Vide EMB No-1 & 2, Page No					-16.91	
Qty To be Paid					0.00	Cum

*Lohith H.B*  
Contractor

*Receee*  
23/11/2020

*Receee 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
25	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1, Page No					445.00	
Present Measurments					0.00	
Up to Date Qty					445.00	
DPQ Vide EMB No-1, Page No					-445.00	
Qty To be Paid					0.00	

*Lohith H.B*  
Contractor

*Receee*  
23/11/2020

*Receee 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
26	KSRB 5-14.1 : Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					40.00	
Present Measurments					0.00	
Up to Date Qty					40.00	
DPQ Vide EMB No-1 & 2, Page No					-40.00	
Qty To be Paid					0.00	Sqm

*Johith M.B*  
Contractor

*Heaven*  
23/11/20

*Heaven 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
27	Road Humps / Speed breakers for control of vehicular speeds on roads Providing road humps for the entire formation width, using bituminous premix materials and heavy duty cobble stones 60 mm thick, having road hump dimension of 1.00 mtr. (width) X 0.15 mtr (height) rectangular sections and ramp on either side of road hump of 0.85 mtr (wide), including providing WBM (2 layers) for shoulder portion 1.7mts in length on either side, completing with road marking paint with applied thermoplastic compound with reflecting glass beads on bituminous surface and providing 2 Nos. retro reflective traffic signs as per IRC SP 67 -2010 (for details refer IRC 99-1988) Intermediate lane for formation width of 9.00 mtrs using SDBC mix material including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Null						

*Johith M.B*  
Contractor

*Heaven*  
23/11/20

*Heaven 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
28	<p>KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS heavy duty cobble stones 75mm thick including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work</p>					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	Previous Qty EMB No-1, Page No				320.00	
	Present Measurments				0.00	
	Up to Date Qty				320.00	
	DPQ Vide EMB No-1, Page No				-320.00	
	Qty To be Paid				0.00	Sqm

Lohith M.B  
Contractor

Recees  
23/11/2020

Recees 23/11  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
29	<p>Fabrication, Supplying, Erection, Testing and Commissioning of .....Mtrs long polygon high mast with Single / Multiple telescopic sections having, ( minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO /ASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA Drawing).Base plate as per IS 2062/ASTM A572-50. The mast shall be Galvanized in single Hot-dip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 230/ 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. ( excluding foundation) as per technical data. - 16Mtrs - Top 150mm and bottom 410 mm dia including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work</p>					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					1.00	
Present Measurments					0.00	
Up to Date Qty					1.00	
DPQ Vide EMB No-1 & 2, Page No					-1.00	
Qty To be Paid					0.00	Each

*Lohith M.B*  
Contractor

*Recees*  
23/11/2020

*[Signature]*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
30	<p>LED Flood Light. Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF&gt;0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy &gt; 80lm/w. Over load &amp; Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 &amp; LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency&gt;130lm/w at 1W &amp; Fixture Efficiency &gt;80lm/w with nominal CRI &gt;75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI &amp; any Government certified agency &amp; Design &amp; Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer. - LED Floodlight 150W including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work</p>					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	Previous Qty EMB No-1 & 2, Page No				6.00	
	Present Measurments				0.00	
	Up to Date,Qty				6.00	
	DPQ Vide EMB No-1 & 2, Page No				-6.00	
	Qty To be Paid				0.00	No

*Lohith M.B*

Contractor

*[Signature]*  
Assistant Executive Engineer, 23/11  
PW,P & IWTD Sub-Division,  
Doddaballapura

*[Signature]*

23/11/2017



Item SI/No	Work Description					
31	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					6.00	
Present Measurments					0.00	
Up to Date Qty					6.00	
DPQ Vide EMB No-1 & 2, Page No					-6.00	
Qty To be Paid					0.00	Each

*Lohith M.B*  
Contractor

*leeee*  
25/11/2020

*leeee 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
32	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					2.00	
Present Measurments					0.00	
Up to Date Qty					2.00	
DPQ Vide EMB No-1 & 2, Page No					-2.00	
Qty To be Paid					0.00	No

*Lohith M.B*  
Contractor

*leeee*  
25/11/2020

*leeee 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
33	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. - 4 core 16 sqmm including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					100.00	
Present Measurments					0.00	
Up to Date Qty					100.00	
DPQ Vide EMB No-1 & 2, Page No					-100.00	
Qty To be Paid					0.00	Mtr

*Lohith H.B*  
Contractor

*Jeera*  
23/11/2022

*Jeera*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
34	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. - 6 sqmm to 16 sqmm including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					75.00	
Present Measurments					0.00	
Up to Date Qty					75.00	
DPQ Vide EMB No-1 & 2, Page No					-75.00	
Qty To be Paid					0.00	Mtr

*Lohith H.B*  
Contractor

*Jeera*  
23/11/2022

*Jeera*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
35	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) - In soil (ordinary) including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	Previous Qty EMB No-1 & 2, Page No				75.00	
	Present Measurments				0.00	
	Up to Date Qty				75.00	
	DPQ Vide EMB No-1 & 2, Page No				-75.00	
	Qty To be Paid				0.00	Mtr

*Lohith H.B*  
Contractor

*Jejee*  
23/11/2020

*Jejee 23/11*  
Assistant-Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
36	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. - 40mm including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	Previous Qty EMB No-1 & 2, Page No				8.00	
	Present Measurments				0.00	
	Up to Date Qty				8.00	
	DPQ Vide EMB No-1 & 2, Page No				-8.00	
	Qty To be Paid				0.00	Mtr

*Lohith H.B*  
Contractor

*Jejee*  
23/11/2020

*Jejee 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
37	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. - 16Sqmm including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					1.00	
Present Measurments					0.00	
Up to Date Qty					1.00	
DPQ Vide EMB No-1 & 2, Page No					-1.00	
Qty To be Paid					0.00	Each

*Lohith H. B*  
Contractor

*Heeee*  
23/11/2019

*Heeee* 23/11  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
38	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip - 25x3mm including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					13.00	
Present Measurments					0.00	
Up to Date Qty					13.00	
DPQ Vide EMB No-1 & 2, Page No					-13.00	
Qty To be Paid					0.00	Mtr

*Lohith H. B*  
Contractor

*Heeee*  
23/11/2020

*Heeee* 23/11  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
39	Supplying, fixing and wiring electronic 5 to 20Amps single phase Class-1 Accuracy with Temper Proof Energy Meter including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					1.00	
Present Measurments					0.00	
Up to Date Qty					1.00	
DPQ Vide EMB No-1 & 2, Page No					-1.00	
Qty To be Paid					0.00	Each

*Lohith H.B*  
Contractor

*Jecees*  
25/11/2020

*Jecees 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
40	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					1.00	
Present Measurments					0.00	
Up to Date Qty					1.00	
DPQ Vide EMB No-1 & 2, Page No					-1.00	
Qty To be Paid					0.00	Each

*Lohith H.B*  
Contractor

*Jecees*  
25/11/2020

*Jecees 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
41	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. - 60-70Ampsc including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					1.00	
Present Measurments					0.00	
Up to Date Qty					1.00	
DPQ Vide EMB No-1 & 2, Page No					-1.00	
Qty To be Paid					0.00	Each

*Lohith H.B*  
Contractor

*Receved*  
27/11/2020

*Praveen 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
42	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacityb of 10K and complete wiring as required confirming to IEC 60898. - 40-63Amps TPN including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					1.00	
Present Measurments					0.00	
Up to Date Qty					1.00	
DPQ Vide EMB No-1 & 2, Page No					-1.00	
Qty To be Paid					0.00	Each

*Lohith H.B*  
Contractor

*Receved*  
27/11/2020

*Praveen 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
43	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. - 32Amps including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					3.00	
Present Measurments					0.00	
Up to Date Qty					3.00	
DPQ Vide EMB No-1 & 2, Page No					-3.00	
Qty To be Paid					0.00	Each

*Lohith H.B*  
Contractor

*Receved*  
23/11/2020

*Prasad 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
44	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					6.00	
Present Measurments					0.00	
Up to Date Qty					6.00	
DPQ Vide EMB No-1 & 2, Page No					-6.00	
Qty To be Paid					0.00	Mtr

*Lohith H.B*  
Contractor

*Receved*  
23/11/2020

*Prasad 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
45	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A - 3C X 6.0Sq.mm including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1 & 2, Page No					100.00	
Present Measurments					0.00	
Up to Date Qty					100.00	
DPQ Vide EMB No-1 & 2, Page No					-100.00	
Qty To be Paid					0.00	Mtr

*Lalith H.B*  
Contractor

*leeeer*  
23/11/2010

*leeeer 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura

Item SI/No	Work Description					
46	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. - 16SWG / including clamps, bolts, nuts and wiring using suitable capacity wires. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chinage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty/ EMB No-1 & 2, Page No					45200.00	
Present Measurments					0.00	
Up to Date Qty					45200.00	
DPQ Vide EMB No-1 & 2, Page No					-45200.00	
Qty To be Paid					0.00	Sq.cms

*Lalith H.B*  
Contractor

*leeeer*  
23/11/2010

*leeeer 23/11*  
Assistant Executive Engineer,  
PW,P & IWTD Sub-Division,  
Doddaballapura



**GOVERNMENT OF KARNATAKA**

**PUBLIC WORKS PORTS & INLAND WATER TRANSPORT DEPARTMENT**



**Name of Work: Road safety works on corridor of highway connecting Nelamangala with Chikkaballapura via  
Doddaballapura (SH-74), Nelamangala Taluk, Bangalore Rural District.**

**PRAMC**

**ELECTRONIC MEASUREMENT BOOK**

**EMB No. -03**

**Pages:1 to 13**

**2017-18**

**3rd & Final Bill**

RA Bill No.3rd & Final Bill		EMB NO-03						
Project:		Construction Supervision and Project Implementation Support" of Road safety program in PWD (South Zone) for Planning and Road Asset Management Center (PRAMC)						
Road No:		SH-74	NELAMANGALA-GOLLAHALLI-DODDABALAPURA ROAD					
Name of the Work:		Road safety works on highway connecting Nelamangala with Chikkaballapura via Doddaballapura (SH-74), Nelamangala Taluk, Bangalore Rural District						
Name of the Contractor:		Sri. S. Thammanagowda Ramesh (Prop. Ganapathi Stone Crusher), Laxmi palace, Magadi Main Road, Sunkadakatte, Bangalore-560091						
Head of Account:		3054-03-337-0-07-200 SH						
Estimate Cost:		180.00 Lakhs and Revised Estimate Cost Rs:90,67,430.93						
CER No:		CER No.-67/2017-18						
Agreement No:		54/2017-18 Dt:09/02/2018 and Supplementary WO no:01/2017-18 Dt:2/3/2018						
Amount Of Contract:		Rs:76,68,466.98/- and BOQ Variation Amount of Rs:16,04,323.40/_						
Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
<b>PRE MEASUREMENT</b>								
1	Fabrication, Supplying, Erection, Testing and Commissioning of .....Mtrs long polygon high mast with Single / Multiple telescopic sections having, ( minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO / ASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA Drawing).Base plate as per IS 2062/ ASTM A572-50. The mast shall be Galvanized in single Hot-dip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 230/ 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. ( excluding foundation) as per technical data. - 16Mtrs - Top 150mm and bottom 410 mm dia --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work							
		Each						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
							Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22	3.00
							Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18	3.00
							Total up to date Qty	3.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
2	LED Flood Light. Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL							
		No						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
							Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22	18.00
							Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18	18.00

Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks	
1	2	3	4	5	6	7	8	9	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00		
	Total up to date Qty						18.00		
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>		
3	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires. --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work								
	Each								
	<b>measurement Qty in this Bill</b>						<b>0.00</b>		
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						18.00		
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						18.00		
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00		
	Total up to date Qty						18.00		
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>		
4	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia --- Including cost and								
	No								
	<b>measurement Qty in this Bill</b>						<b>0.00</b>		
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						6.00		
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						6.00		
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00		
	Total up to date Qty						6.00		
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>		
5	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10sq.mm wire armoured) conforming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & conforming to GTP of GROUP-A. - 4 core 16 sqmm --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as								
	Mtr								
	<b>measurement Qty in this Bill</b>						<b>0.00</b>		
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						300.00		
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						300.00		
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00		
	Total up to date Qty						300.00		
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>		
6	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. - 6 sqmm to 16 sqmm --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work								
	Mtr								
	<b>measurement Qty in this Bill</b>						<b>0.00</b>		
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						225.00		
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						225.00		
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00		
	Total up to date Qty						225.00		
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>		

Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
7	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) - In soil (ordinary) --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Mtr						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						225.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						225.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	225.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
8	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. - 40mm --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Mtr						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						24.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						24.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	24.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
9	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. - 16Sqmm --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Mtr						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						3.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						3.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	3.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
10	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip - 25x3mm --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Mtr						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						39.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						39.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	39.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>

Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
11	Supplying, fixing and wiring electronic 5 to 20Amps single phase Class-1 Accuracy with Temper/Proof Energy Meter. --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Each						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						3.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						3.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	3.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
12	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers. --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Each						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						3.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						3.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	3.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
13	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/ panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. - 60-70Amps --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Each						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						3.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						3.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	3.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
14	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. - 40-63Amps TPN --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Each						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						3.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						3.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	3.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>

Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
15	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. - 32Amps --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Each						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						9.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						9.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	9.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
16	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. - 40x40x6mm --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Mtr						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						18.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						18.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	18.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
17	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor conforming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & conforming to GTP of GROUP-A - 3C X 6.05sq.mm --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading	Mtr						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						300.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						300.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	300.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
18	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Sqm						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						41.40	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						41.40	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
							Total up to date Qty	41.40
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>

Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
19	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. - of size 450 x 200 x 400 mm --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	No						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
							Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22	90.00
							Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18	90.00
							Qty reserved/ pending for Approval in 1st & 2nd & part Bill	0.00
							Total up to date Qty	90.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
20	Excavation in Soil with Dozer KSRRB M300-11.Excavation for road way in soil by mechanical means including cutting and pushing the earth to site of embankment upto a including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 301 --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the	Cum						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
							Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages	1544.01
							Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18	802.59
							Qty reserved for Approval in 2nd & part Bill	741.42
							Total up to date Qty	1544.01
							<b>Reserved Qty To be Paid in this Bill</b>	<b>741.42</b>
21	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 ---/Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	Sqm						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
							Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages	2413.03
							Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18	1009.65
							Qty reserved for Approval in 2nd & part Bill	1403.38
							Total up to date Qty	2413.03
							<b>Reserved Qty To be Paid in this Bill</b>	<b>1403.38</b>
22	KSRRB M300-Construction of Embankment with Material deposited from Roadway cutting. KSRRB M300-54. Construction of embankment with approved material deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Table 300-2 complete as per specifications.which includes , watering charges & compaction by vibratory roller) MORTH Specification No. 305 ---- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments	Cum						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
							Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22	295.40
							Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18	295.40
							Qty reserved/ pending for Approval in 1st & 2nd & part Bill	0.00
							Total up to date Qty	295.40
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>

Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
23	KSRRB M400-6.2. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method by rotavator at OMC, and compacting with vibratory power roller to achieve the desired density, complete as per specifications. B. By Mix in Place Method. - For Grading II Material Note: Granulated blast furnace slag/Slag sand may be used for item No. 20.1, 20.2,20.3,20.4,20.5,20.6 instead of river sand / grit and	Cum						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages						354.53	
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						<del>166.88</del>	354.53
	Qty reserved for Approval in 2nd & part Bill						187.65	354.53
	<b>Total up to date Qty</b>						<b>354.53</b>	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>187.65</b>	354.53
24	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 ---- Including cost and conveyance	Cum						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages						433.69	
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						171.10	
	Qty reserved for Approval in 2nd & part Bill						262.59	
	<b>Total up to date Qty</b>						<b>433.69</b>	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>262.59</b>	
25	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of	Sqm						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages						1698.75	
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						684.40	
	Qty reserved for Approval in 2nd & part Bill						1014.35	
	<b>Total up to date Qty</b>						<b>1698.75</b>	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>1014.35</b>	
26	KSRRB M500-10. Providing and applying tack coat using 80/100 grade bitumen(VG10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mchancial broom. complete as per specifications. - using bitumen 80/100 on primed surfaces --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of	Sqm						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages						13529.25	
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						12887.28	
	Qty reserved for Approval in 2nd & part Bill						641.97	
	<b>Total up to date Qty</b>						<b>13529.25</b>	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>642.00</b>	

611.97



Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
27	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of	Cum						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages						175.77	175.76
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						92.41	
	Qty reserved for Approval in 2nd & part Bill						83.36	
	<b>Total up to date Qty</b>						<b>175.77</b>	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>83.36</b>	
28	KSRRB M500-18. Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 508 complete in all respects complete as per specifications. - using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (25 mm to 30 mm) with 5 % VG-	Cum						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages						104.25	
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						86.18	
	Qty reserved for Approval in 2nd & part Bill						18.07	
	<b>Total up to date Qty</b>						<b>104.25</b>	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>18.07</b>	
29	KSRRB M500-19. Providing and laying bituminous concrete with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509/- using 40/60 TPH capacity H.M.P. with Mechanical	Cum						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						303.88	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						303.88	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
	<b>Total up to date Qty</b>						<b>303.88</b>	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>	
30	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, Supply and installation of retro- reflective Cautionary, Mandatory & Informatory signboards made out of cube corner micro prismatic grade sheeting confirming to Type XI standards of IRC:67/2012 specification & fixed over 4 mm thick Aluminum Composite Panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25x25x3mm MS angle and mounted on 75 mm dia OR 75X75X6MM Mild steel angle of Total height 2.70 M with clear	No						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages						25.00	
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						25.00	
	Qty reserved for Approval in 2nd & part Bill						0.00	
	<b>Total up to date Qty</b>						<b>25.00</b>	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>	

Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
31	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, Supply and installation of retro-reflective Cautionary, Mandatory & Informatory signboards made out of cube corner micro prismatic grade sheeting confirming to Type XI standards of IRC:67:2012 specification & fixed over 4 mm thick Aluminum Composite Panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25x25x3mm MS angle and mounted on 75 mm dia OR 75X75X6MM Mild steel angle of Total height 2.70 M with clear	No						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages						29.00	
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						29.00	
	Qty reserved for Approval in 2nd & part Bill						0.00	
	Total up to date Qty						29.00	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>	
32	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, Supply and installation of retro-reflective Cautionary, Mandatory & Informatory signboards made out of cube corner micro prismatic grade sheeting confirming to Type XI standards of IRC:67:2012 specification & fixed over 4 mm thick Aluminum Composite Panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25x25x3mm MS angle and mounted on 75 mm dia OR 75X75X6MM Mild steel angle of Total height 2.70 M with clear	No						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages						8.00	
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						8.00	
	Qty reserved for Approval in 2nd & part Bill						0.00	
	Total up to date Qty						8.00	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>	
33	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, Supply and installation of retro-reflective Cautionary, Mandatory & Informatory signboards made out of cube corner micro prismatic gradesheeting confirming to Type XI standards of IRC:67:2012 specification & fixed over 4 mm thick Aluminum Composite Panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25x25x3mm MS angle and mounted on 75 mm dia OR 75X75X6MM Mild steel angle of Total height 2.70 M with clear	No						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages						4.00	
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						4.00	
	Qty reserved for Approval in 2nd & part Bill						0.00	
	Total up to date Qty						4.00	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>	
34	KSRRB M800-4. Direction and Place Identification Signs with size morethan 0.9 sqm Size Board: Manufacturing, Supply and installation of retro-reflective Cautionary, Mandatory & Informatory signboards made out of cube corner micro prismatic grade sheeting confirming to Type XI standards of IRC:67:2012 specification & fixed over 4 mm thick Aluminum Composite Panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25x25x3mm MS angle and	Sqm						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages						9.00	
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						9.00	
	Qty reserved for Approval in 2nd & part Bill						0.00	
	Total up to date Qty						9.00	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>	

Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
35	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 --- Including cost and conveyance of all materials, labour, hire	Sqm						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
							Pre-measurement already recorded Qty vide EMB.NO:KRN02 pages	657.34
							Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18	657.34
							Qty reserved for Approval in 2nd & part Bill	0.00
							Total up to date Qty	657.34
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
36	KSRRB M800 Road markers / Road stud KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene)moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 - DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and	No						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
							Pre-measurement already recorded Qty vide EMB.02	854.00
							Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18	854.00
							Qty reserved for Approval in 2nd & part Bill	0.00
							Total up to date Qty	854.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
37	Road Humps / speed breakers for control of vehicular speeds on roads Providing road humps for the entire formation width, using bituminous premix materials and heavy duty cobble stones 60 mm thick, having road hump dimension of 1.00 mtr. (width) X 0.15 mtr (height) rectangular sections and ramp on either side of road hump of 0.85 mtr (wide), including providing WBM (2 layers) for shoulder portion 1.7mts in length on either side, completing with road marking paint with applied thermoplastic compound with reflecting glass beads on	Unit						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
							Pre-measurement already recorded Qty vide EMB.02	3.00
							Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18	3.00
							Qty reserved for Approval in 2nd & part Bill	0.00
							Total up to date Qty	3.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>
38	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3 --- Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of	Sqm						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
							Pre-measurement already recorded Qty vide EMB.02	1133.11
							Deduct Previous Paid Qty Vide 2nd & part bill	127.05
							Qty reserved for Approval in 2nd & part Bill	1006.06
							Total up to date Qty	1133.11
							<b>Reserved Qty To be Paid in this Bill</b>	<b>1006.06</b>

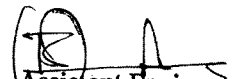
Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
39	KSRRB M400-Construction of Median and island with Soil taken from Borrow Areas. KSRRB M400-19. Construction of Median and island with Soil taken from Borrow Areas. Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No. 407 --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc...	Cum						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						4.38	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						4.38	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
	Total up to date Qty						4.38	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>	
40	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 --- Including cost and conveyance of all materials. labour, hire charges of machinaries and	Cum						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						2.18	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						2.18	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
	Total up to date Qty						2.18	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>	
41	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness ) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as	Sqm						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						14.60	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						14.60	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
	Total up to date Qty						14.60	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>	
42	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and	Sqm						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						4464.02	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						4436.64	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						27.38	
	Total up to date Qty						4464.02	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>27.38</b>	


Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
43	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. - 16SWG ---- Including cost and conveyance of all materials. labour, hire charges of machinaries	Sq.cm						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22						135600.00	
	Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18						135600.00	
	Qty reserved/ pending for Approval in 1st & 2nd & part Bill						0.00	
	<b>Total up to date Qty</b>						<b>135600.00</b>	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>0.00</b>	
44	Providing and fixing Hazard marker Board with Retroreflectorised sheeting as per clause 6.9 in IRC 2012 of size 300mm x 900mm fixed over Aluminium sheeting with mild steel angle iron 25mmx25mmx3mm, supported on mild steel angle iron post 40mmx40mmx3mm firmly fixed to the ground by means of properly designed foundation with M20 grade concrete 45cmx45cmx60cm below the ground level including 30cmx30cmx20cm pedestal above the ground level etc., Post height is 1.8m. The sign board, post and pedestal should be painted with 2 coats of synthetic enamel paint etc., complete including the cost of all materials, labour, lead and lift. Complete as per specifications (using Type-XI sheeting) Data rate as approved by SE, Mangalore Circle ---- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work	No						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.02						24.00	10.00
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						12.00	
	Qty reserved for Approval in 2nd & part Bill						12.00	
	<b>Total up to date Qty</b>						<b>24.00</b>	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>12.00</b>	10.00
45	Providing and fixing Hazard marker Board with Retroreflectorised sheeting as per clause 6.9 in IRC 2012 of size 300mm x 900mm fixed over Aluminium sheeting with mild steel angle iron 25mmx25mmx3mm, supported on mild steel angle iron post 40mmx40mmx3mm firmly fixed to the ground by means of properly designed foundation with M20 grade concrete 45cmx45cmx60cm below the ground level including 30cmx30cmx20cm pedestal above the ground level etc., Post height is 1.8m. The sign board, post and pedestal should be painted	No						
	<b>Item not Executed for site condition</b>						<b>0.00</b>	
46	Providing and fixing Hazard marker Board with Retroreflectorised sheeting as per clause 6.9 in IRC 2012 of size 300mm x 900mm fixed over Aluminium sheeting with mild steel angle iron 25mmx25mmx3mm, supported on mild steel angle iron post 40mmx40mmx3mm firmly fixed to the ground by means of properly designed foundation with M20 grade concrete 45cmx45cmx60cm below the ground level including 30cmx30cmx20cm pedestal above the ground level etc., Post height is 1.8m. The sign board, post and pedestal should be painted with 2 coats of synthetic enamel paint etc., complete including the cost of all materials, labour, lead and lift. Complete as per specifications (using Type-XI sheeting) Data rate as approved by SE, Mangalore Circle ---- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of	Sq.cm						
	<b>measurement Qty in this Bill</b>						<b>0.00</b>	
	Pre-measurement already recorded Qty vide EMB.02						10.00	
	Deduct Previous Paid Qty Vide 2nd & part bill Vide BR No87/13-3-18						4.00	
	Qty reserved for Approval in 2nd & part Bill						6.00	
	<b>Total up to date Qty</b>						<b>10.00</b>	
	<b>Reserved Qty To be Paid in this Bill</b>						<b>8.00</b>	6.00

*Handwritten signatures and initials:*  
 1. A signature that appears to be "Gopal" or similar.  
 2. A signature that appears to be "S. S. S." or similar.  
 3. A large, stylized signature or stamp at the bottom right corner.

Sl. No.	Description	Unit	Sides/ No's	Length	Breadth	Depth	Quantity	Remarks
1	2	3	4	5	6	7	8	9
47	Design casting of suitable foundation for the high mast considering the safe SBC at the site of 10T/Sq.mt at a depth of 2mtr as per the technical specification No.3 under Annexure enclosed(AR) --- Including cost and conveyance of all materials. labour, hire charges of machinaries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work							
		No						
							<b>measurement Qty in this Bill</b>	<b>0.00</b>
							Pre-measurement already recorded Qty vide EMB No:KRN01 pages 01 to 22	3.00
							Deduct Previous Paid Qty Vide 1st & part bill Vide BR No86/13-3-18	3.00
							Qty reserved/ pending for Approval in 1st & 2nd & part Bill	0.00
							Total up to date Qty	3.00
							<b>Reserved Qty To be Paid in this Bill</b>	<b>0.00</b>

  
Consultancy/ Contractor

  
Assistant Engineer  
PWP & IWT Department  
Sub-Division, Nelamangala

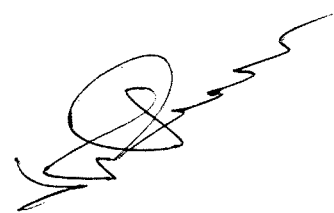
  
Assistant Executive Engineer  
PWP & IWT Department  
Sub-Division, Nelamangala

BR No 147 / 29/12/18

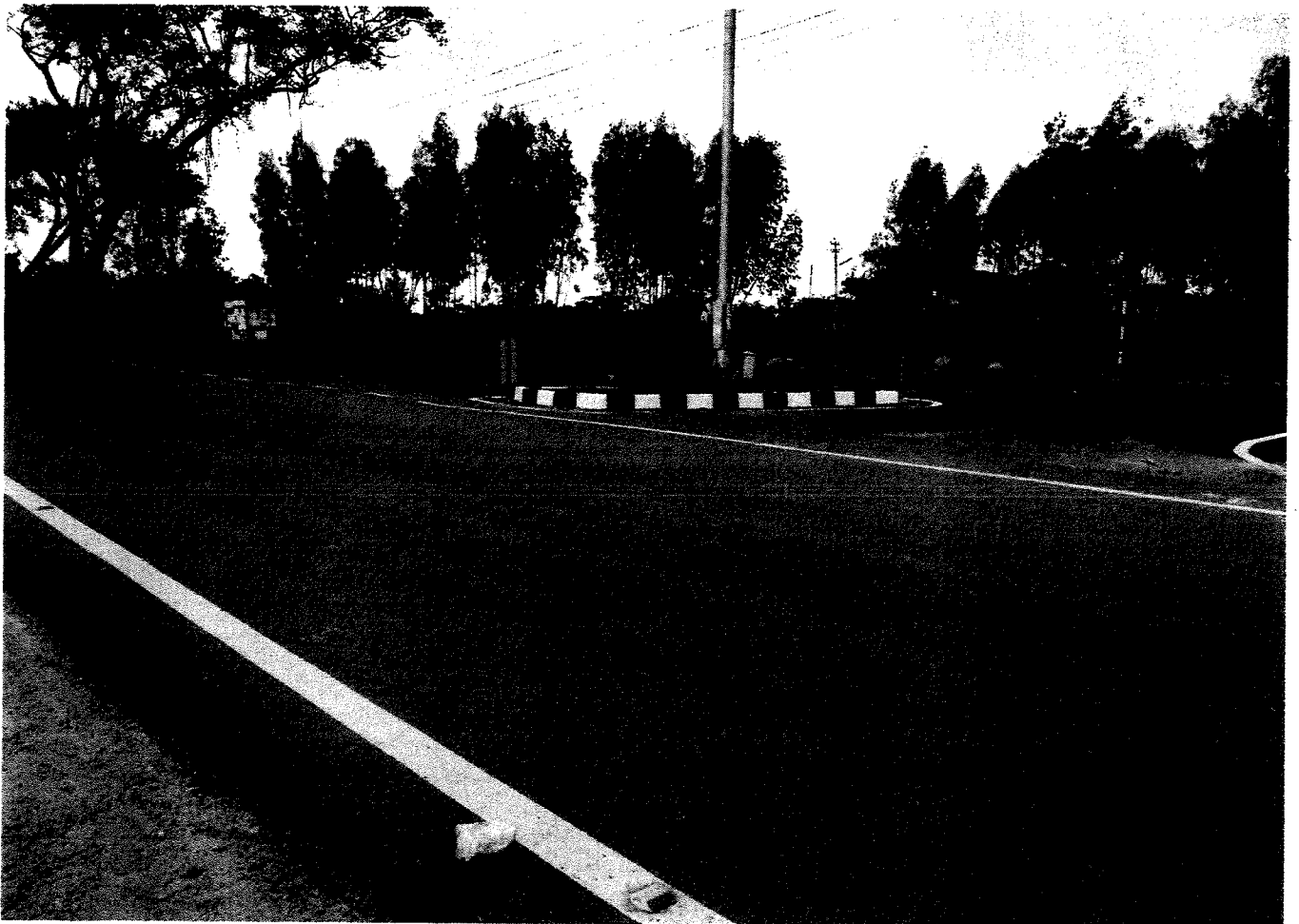
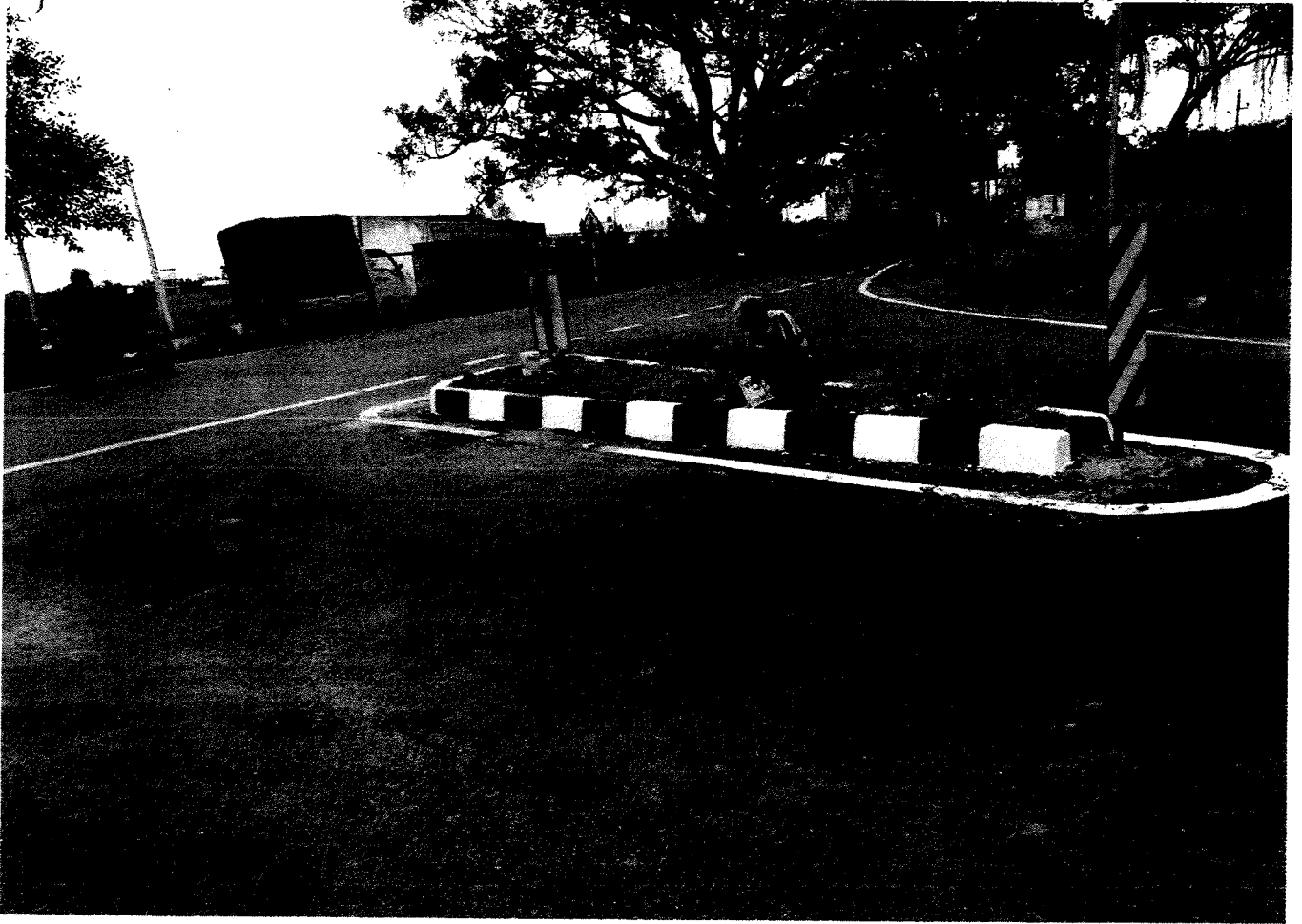
Total up to - 8998526  
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 AD 140330  
 Ch 8,35,770

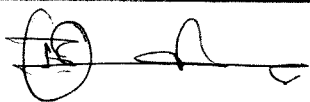
A/H..... 2054SH  
 Admitted For Rs: 976100.00  
 Pay by Cheque Rs: 8,35,770.00  
 (in words):.....  
 By Adjustment Rs: 140330.00

 Auditor  
 Accounts Supt.  
 C.E. PRANC Bangalore.



Highway connecting  
Nelamangala with Chikkaballapura via Doddaballapura (SH-74)  
Nelamangala Taluk, Bangalore Rural District



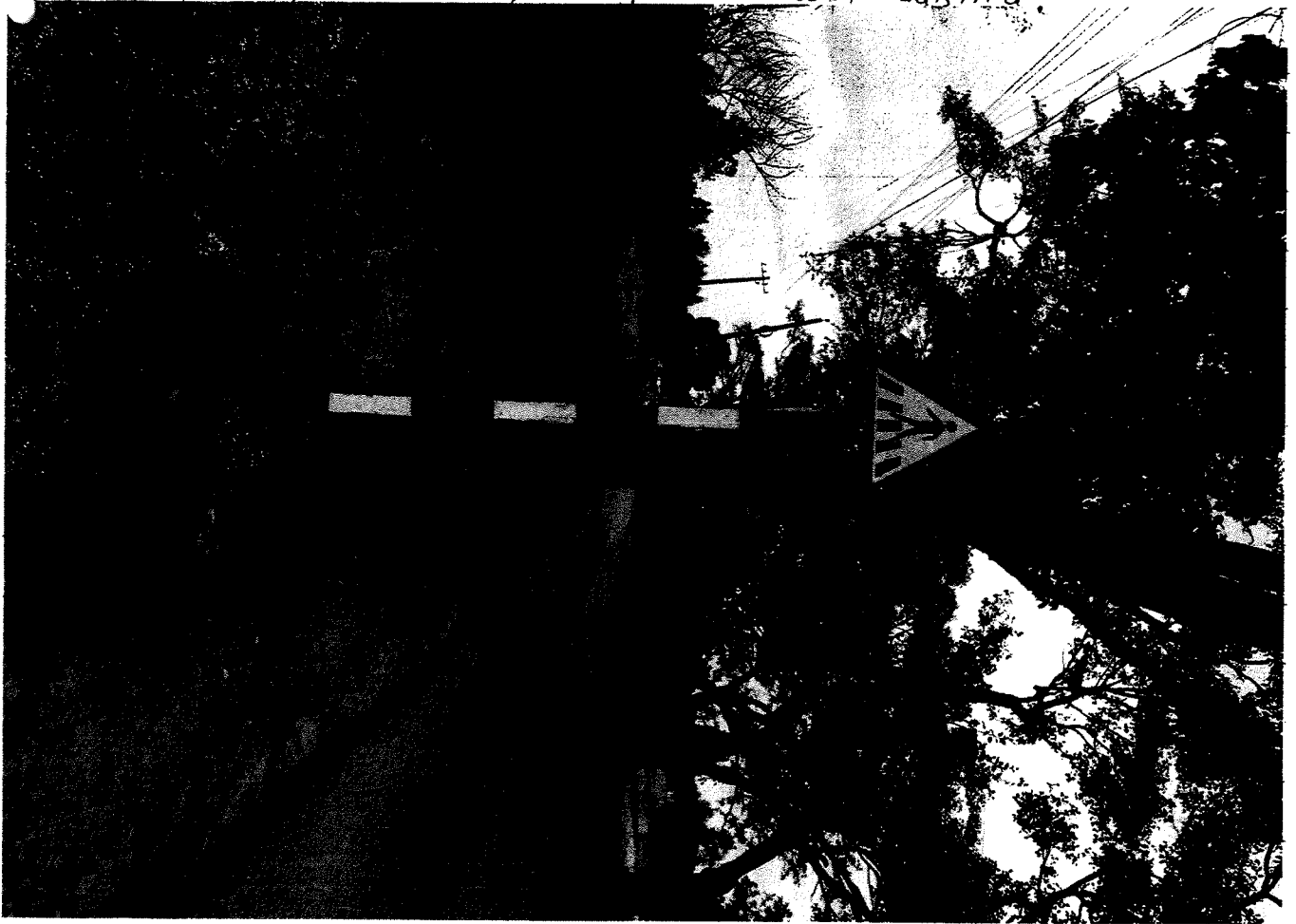


ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್  
ಶೋಕೋಪೋಯೋಗಿ ಬಂದರು ಮತ್ತು ಒಳನಾಡು.





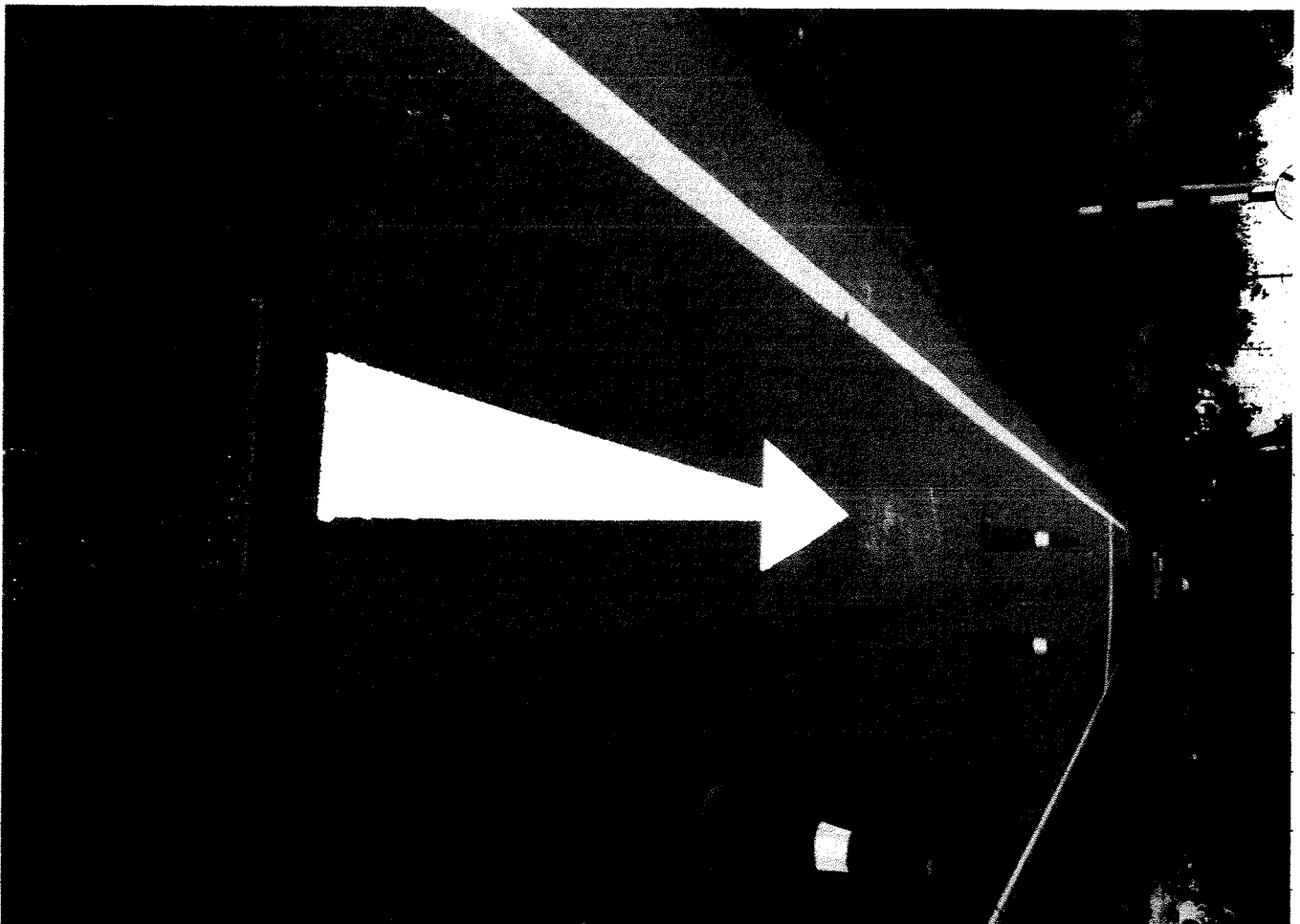
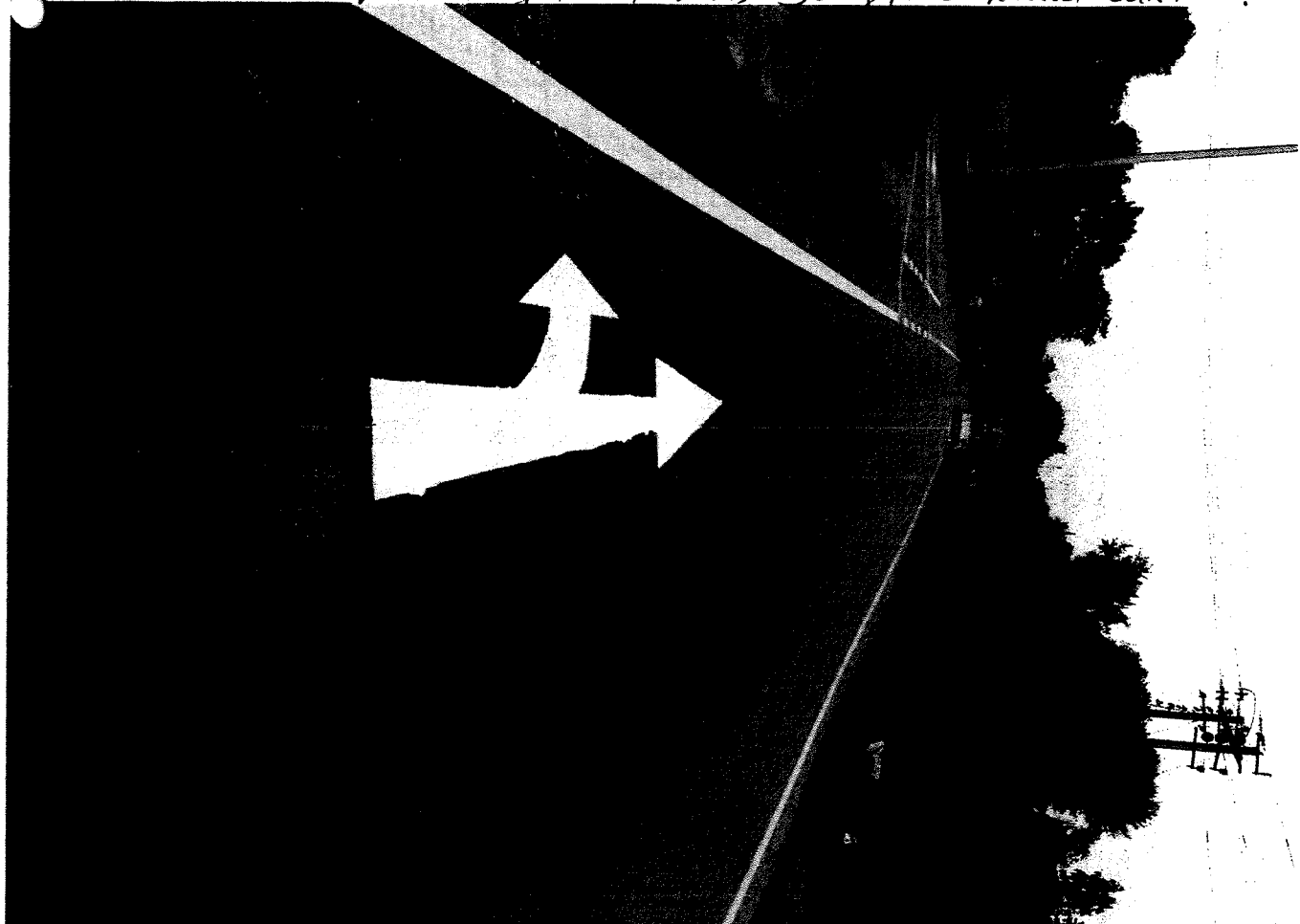
Road survey work is still in progress of highway connectivity  
 Nelamangala with Chikkaballapura, via Doddaballapura (SH-74)  
 Nelamangala Taluk, Bangalore rural district.



110 1 5

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್  
 ಮಹಾಕೂಲಪುರಿಯೇಣಿ ಬಂದರು ಮತ್ತು ಜಳನಾಡು.  
 110 1 5

Netamangala with Chikkaballapura via Doddaballapura (SH-74)  
 Netamangala Taluk, Bangalore Rural district.



(A) — A — B

ಸಹಾಯಕ/ಕಾರ್ಯದರ್ಶಿ, ಸರ್ಕಾರಿ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು, ಚಿಕ್ಕಬಳ್ಳಾಪುರ, ಬೆಂಗಳೂರು ಜಿಲ್ಲೆ, ನೆಲಮಂಗಲ ತಾಲ್ಲೂಕು.



BR No - 526  
31/3/21

ಕರ್ನಾಟಕ ಸರ್ಕಾರ  
ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ

Measurement Book-2

2<sup>nd</sup> and Final Bill

**Name Of Work:- Providing Safety Barrier/Crash Barrier & Other Road Safety Protection Works from KS Road to Join Shakaladevanapura, Menasi Tank Bund From Km 2.10 to Km 2.85km Doddaballapura Taluk, Bangalore Rural District.**

**Estimate Cost Rs: 150.00 Lakhs**

**Head of Account: 5054-05-337-4-02-154-ಜಿಲ್ಲಾ ನಾಲೆಗಳ ಬದಿಯಲ್ಲಿ ರಸ್ತೆ ಸುರಕ್ಷತಾ ಕಾಮಗಾರಿಗಳು ಮತ್ತು ಬ್ಯಾರಿಕೇಡಿಂಗ್ ಸುಧಾರಣೆಗಳು.**

**Name of Contractor and Full Address:-  
Sri.H B Gururaj S/O Boregowda K H Halli, Amruthur Hobali, Kunigal Taluk,  
Tumkur District-572111**

<b>2nd and Final Bill</b>	
<b>Name of the Division</b>	<b>PWD Bangalore Division, Bangalore</b>
<b>Name of the Sub-Division</b>	<b>PWD Sub-Division Doddaballapura</b>
<b>Name of Work</b>	<b>Providing Safety Barrier/Crash Barrier &amp; Other Road Safety Protection Works from KS Road to Join Shakaladevanapura, Menasi Tank Bund From Km 2.10 to Km 2.85km Doddaballapura Taluk, Bangalore Rural District.</b>
<b>Estimate Cost</b>	<b>150.00 Lakhs</b>
<b>Sanction No.</b>	<b>CER No. 87/2019-20</b>
<b>Head of Account</b>	<b>5054-05-337-4-02-154-ಜಿಲ್ಲಾ ನಾಲೆಗಳ ಬದಿಯಲ್ಲಿ ರಸ್ತೆ ಸುರಕ್ಷತಾ ಕಾಮಗಾರಿಗಳು ಮತ್ತು ಬ್ಯಾರಿಕೇಡಿಂಗ್ ಸುಧಾರಣೆಗಳು.</b>
<b>Date of Agreement</b>	<b>Dt.04/03/2020</b>
<b>Work Order No.</b>	<b>123/2019-20, Dated:04/03/2020</b>
<b>Name of Contractor</b>	<b>Sri.H B Gururaj S/O Boregowda K H Halli, Amruthur Hobali, Kunigal Taluk, Tumkur District-572111</b>
<b>Measurement Book Reference</b>	<b>M.B No. Pg. No. E.M.B No.2, Pg. No.1-23</b>

## 2nd and Final bill

**Name of work:-Providing Safety Barrier/Crash Barrier & Other Road Safety Protection Works from KS Road to Join Shakaladevanapura, Menasi Tank Bund From Km 2.10 to Km 2.85km Doddaballapura Taluk, Bangalore Rural District.**

### Detailed Measurements

Item SI/No	Work Description					
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 including the cost and conveyance of all materials cost of labour hire charges of equipment and machinery lead and lift loading and unloading charges transportation and all other incidental charges etc.. complete the work shall be carried out as per standard technical detailed specifications and as per the directions of the Engineer in charges of the work.					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1, Page No.					1583.10	
Present Mesurments					0.00	
Up to Date Qty					1583.10	
DPQ Vide EMB No-1, Page No					1583.10	
Present Qty					0.00	Sqm

Contractor

Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

*(Signature)*



Item SI/No	Work Description					
3	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering chares & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 ---- Including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
As per levels Statement Attached Total Up to date Qty					11869.68	
Previous Qty EMB No-1, Page No.					8456.91	
DPQ Vide EMB No-1, Page No					8456.91	
Qty Reserved					3412.77	
Present Mesurments						
Now Released Qty					3412.77	Cum
Present Qty	3412.77	Rate Rs.	324.71	Amount		
Up to 125%	3258.75	Rate Rs.	324.71	Amount	1058149.00	
Above to 125%	154.02	Rate Rs.	344.79	Amount	53105.00	

1111254

H B RUDRA  
Contractor

*[Signature]*

*[Signature]*  
Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

Item SI/No	Work Description						
4	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. including the cost and conveyance of all materials cost of labour hire charges of equipment and machinery lead and lift loading and unloading charges transportation and all other incidental charges etc.. complete the work shall be carried out as per standard technical detailed specifications and as per the directions of the Engineer in charges of the work.						
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total	
At Ch:2.10 to 2.85km Layer-I	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	1	30.00	2.50	0.12	9.00		
	At Ch:2.10 to 2.85km Layer-II	1	30.00	2.25	0.10	6.75	
		1	30.00	2.25	0.10	6.75	
1		30.00	2.25	0.10	6.75		
1		30.00	2.25	0.10	6.75		
1		30.00	2.25	0.10	6.75		
1		30.00	2.25	0.10	6.75		
1		30.00	2.25	0.10	6.75		
1		30.00	2.25	0.10	6.75		
1		30.00	2.25	0.10	6.75		
1		30.00	2.25	0.10	6.75		

*Signature*



	1	30.00	2.25	0.10	6.75	
	1	30.00	2.25	0.10	6.75	
	1	30.00	2.25	0.10	6.75	
	1	30.00	2.25	0.10	6.75	
	1	30.00	2.25	0.10	6.75	
	1	30.00	2.25	0.10	6.75	
	1	30.00	2.25	0.10	6.75	
	1	30.00	2.25	0.10	6.75	
	1	30.00	2.25	0.10	6.75	
				<b>G.Total</b>	<b>315.00</b>	<b>Cum</b>
<b>Present Qty</b>		<b>307.50</b>	<b>Rate Rs.</b>	<b>1880.31</b>	<b>Amount</b>	<b>578195.00</b>
<b>Up to 125%</b>		<b>7.50</b>	<b>Rate Rs.</b>	<b>1880.31</b>	<b>Amount</b>	<b>14102.00</b>

HBWOODS  
Contractor

Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

23/10/2020,





Item SI/No	Work Description					
7	KSRRB M500-10. Providing and applying tack coat using 80/100 grade bitumen(VG10) in boiler fitted with spray set distributor at the rate of 0.25 kg per sqm on the existing prepared bituminous surface cleaned with mchancial broom. complete as per specifications. - using bitumen 80/100 on primed surfaces including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
At Ch:2.10 to 2.85km	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
	1	30.00	5.75		172.50	
					<b>G.Total</b>	<b>3450.00</b>
<b>Present Qty</b>		<b>3450.00</b>	<b>Rate Rs.</b>	<b>9.99</b>	<b>Amount</b>	<b>34466.00</b>

H B KODUR  
Contractor

Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

By  
19/12/2020

19/12/2020

Item SI/No	Work Description					
8	<p style="text-align: right;"><i>Bituminous Macadam</i></p> KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen including all lead and lift, loding and unloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
At Ch:2.10 to 2.85km	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
	1	30.00	5.50	0.05	8.25	
					<b>G.Total</b>	<b>165.00</b>
<b>Present Qty</b>		<b>165.00</b>	<b>Rate Rs.</b>	<b>5090.68</b>	<b>Amount</b>	<b>839962.00</b>

*H B RUDRAN*  
Contractor

*[Signature]*  
Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura  
*[Signature]*  
24/12/2020

Item SI/No	Work Description					
9	KSRRB M500-18. Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 508 complete in all respects complete as per specifications. - using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (25 mm to 30 mm) with 5 % VG-30 Bitumen including all lead and lift, loading and unloading, hire charges of machinery and equipments, transportation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in-charge of work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
At Ch:2.10 to 2.85km	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
	1	30.00	5.50	0.025	4.13	
					<b>G.Total</b>	<b>82.50</b>
<b>Present Qty</b>	<b>82.50</b>	<b>Rate Rs.</b>	<b>6684.58</b>	<b>Amount</b>	<b>551478.00</b>	

H B RAO  
Contractor

Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

25/12/2020

Item SI/No	Work Description					
10	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Fixing Crash Barrier	2x300	0.45	0.45	1.10	133.65	
Fixing Guard Stone	2x300	0.60	0.60	0.75	162.00	
				<b>G.Total</b>	<b>295.65</b>	<b>Cum</b>
<b>Present Qty</b>		<b>295.65</b>	<b>Rate Rs.</b>	<b>40.96</b>	<b>Amount</b>	
<b>Up to 125%</b>		<b>208.88</b>	<b>Rate Rs.</b>	<b>40.96</b>	<b>Amount</b>	<b>8556.00</b>
<b>Up to 125%</b>		<b>86.77</b>	<b>Rate Rs.</b>	<b>43.50</b>	<b>Amount</b>	<b>3774.00</b>

H B M O U D K  
Contractor

*[Signature]*  
Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

*[Signature]*

Item Sl/No	Work Description					
11	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15Bcms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 including all lead and lift, loding and unloading, hire charges of machinery and equipments, transportation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Fixing Crash Barrier	2x300	0.45	0.45	0.15	18.23	
				<b>G.Total</b>	<b>18.23</b>	<b>Cum</b>
<b>Present Qty</b>		<b>18.23</b>	<b>Rate Rs.</b>	<b>5366.96</b>	<b>Amount</b>	<b>97813.00</b>

H B K S O U O Z  
Contractor

*[Signature]*  
Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

*[Signature]*



Item Sl/No	Work Description					
12	KSRRB M800-23.1. Metal Beam Crash Barrier:-Providing and erecting a "W" metal beam crashbarrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 800.10 complete as per specifications excluding cost of earth work excavation and PCC for fixing. A. Type - A, "W" MORTH Specification No. 810 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work.					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Fixing Crash Barrier	2	600.00			1200.00	1200.00
				G.Total	1200.00	1200.00
Present Qty		1200.00	Rate Rs.	1957.24	Amount	2348688.00

H B R B O O O O  
Contractor

Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

05/01/2021

05/01/2021

Item SI/No	Work Description					
13	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. ---- Including cost and conveyance of all materials,labour,hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc.. complete as directed as per specification and direction of Engineer in-charge of the work including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Side of Crash Barrier	2x300	0.45	0.45	0.95	115.43	
				<b>G.Total</b>	<b>115.43</b>	<b>Cum</b>
<b>Present Qty</b>		<b>115.43</b>	<b>Rate Rs.</b>	<b>120.89</b>	<b>Amount</b>	<b>13954.00</b>

H. B. M. O. U. Z.  
Contractor

*[Signature]*  
Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

*[Signature]*



Item SI/No	Work Description					
15	KSRRB M2500-4.1. Providing and laying Pitching stones of size 0.3x0.3x0.3 on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications including cost of materials, labour, HOM complete as per specifications. A. Stone / Boulder MORTH Specification No. 2504 Including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Previous Qty EMB No-1, Page No.					900.00	1218.30
Qty Reserved					318.30	
Present Mesurments						
DPQ Vide EMB No-1, Page No					900.00	
Now Released Qty					318.30	Cum
Present Qty	318.30	Rate Rs.	1611.55	Amount		
Up to 125%	225.00	Rate Rs.	1611.55	Amount	362599.00	
Above to 125%	93.30	Rate Rs.	1711.23	Amount	159658.00	

H B R D D O O L  
Contractor

*[Signature]*  
Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

*[Signature]*

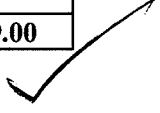
Item SI/No	Work Description					
16	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Edge Line At Ch:2.10 to 2.85km	2	300.00	0.15		90.00	62.00
	2	300.00	0.15		90.00	
Pedastrain Crossing	2	5.50	2.00		22.00	84.00
				<b>G.Total</b>	<b>202.00</b>	<b>Sqm</b>
<b>Present Qty</b>		<b>202.00</b>	<b>Rate Rs.</b>	<b>428.61</b>	<b>Amount</b>	
<b>Up to 125%</b>		<b>202.00</b>	<b>Rate Rs.</b>	<b>428.61</b>	<b>Amount</b>	<b>86579.00</b>

H B S B O O K  
Contractor

Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

Quoting

142.00



Item Sl/No	Work Description					
17	KSRRB M800 Road markers I Road studKSRRB MS00-35. Supply and Installation of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97- DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer including all lead and lift, loading and unloading, hire charges of machinery and equipments, transportation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Edge Line	200				200	
Centre Line	20				20	
				<b>G.Total</b>	<b>220</b>	<b>Nos</b>
<b>Present Qty</b>	<b>220</b>		<b>Rate Rs.</b>	<b>336.70</b>	<b>Amount</b>	<b>74074.00</b>

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Contractor

*[Signature]*  
Assistant-Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

*[Signature]*  
21/2/2021

Item SI/No	Work Description					
18	Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 em x 45 em x 60 em, 60 em below ground level as per approved drawing. 600 M M Equilateral Triangle Board -TYPE XI including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	8				8	
				<b>G.Total</b>	<b>8</b>	<b>Nos</b>
<b>Present Qty</b>	<b>8</b>	<b>Rate Rs.</b>	<b>2490.76</b>	<b>Amount</b>	<b>19926.00</b>	

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Contractor

*[Signature]*  
Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

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Item Sl/No	Work Description					
19	<p>KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, Supply and installation of retro- reflective Cautionary, Mandatory &amp; Informatory signboards made out of cube corner micro prismatic grade sheeting confirming to Type XI standards of IRC:67:2012 specification &amp; fixed over 4 mm thick Aluminum Composite Panel sheet having minimum 0.30 mm thick aluminum skin on both sides &amp; fixed over a support frame of 25x25x 3mm MS angle and mounted on 75 mm dia OR 75X75X6MM Mild steel angle of Total height 2.70 M with clear height of not less than 2.10 M from the ground level to the bottom of the Sign board &amp; 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45 cm x 45 cm x 60 cm including cost &amp; conveyance of all materials, equipment, machinery &amp; Labour with all leads and lifts, Loading charges necessary for satisfactory completion of the work as directed by engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufacturer as per clause 6.9 in IRC 2012 &amp; a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier.600 MM Circle - TYPE XI ---- Including cost and conveyance of all materials,labour,hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc.. complete as directed as per specification and direction of Engineer in-charge of the work</p>					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
	16				16	
				<b>G.Total</b>	<b>16</b>	<b>Nos</b>
<b>Present Qty</b>		<b>16</b>	<b>Rate Rs.</b>	<b>3119.19</b>	<b>Amount</b>	<b>49907.00</b>

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Contractor

*[Signature]*  
Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

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Item SI/No	Work Description					
20	Direction and Place Identification Signs upto 0.9 sqm Size Board: Providing and erecting direction and place identification retro-reflectorised sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 2 mm thick with area not exceeding 0.9 sqm supported on a mild steel single angle iron post 75 x 75 x 6 mm firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing. including all lead and lift, loding and unloading,hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
Ch:2.10km	2	0.90	0.90		1.62	
Ch:2.85km	2	0.90	0.90		1.62	
				<b>G.Total</b>	<b>3.24</b>	<b>Sqm</b>
<b>Present Qty</b>		<b>3.24</b>	<b>Rate Rs.</b>	<b>6856.82</b>	<b>Amount</b>	<b>22216.00</b>

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Contractor

*[Signature]*  
Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

*[Signature]*

Item Sl/No	Work Description					
21	Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and inforatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing. (Standard data Book data) 600 X 450 mm - TYPE XI including all lead and lift, loding and unloading, hire charges of machinery and equipments, transporation charges labour charges and all other incidental charges etc.. complete as per standard technical detailed specifications and as per the directions of the Engineer-in charge of work					
Chainage	No	Length	Avg Width	Avg Depth	Quantity	Grand total
at Curve	4				4	
at Curve	4	2			4	
				<b>G.Total</b>	<b>8</b>	<b>Sqm</b>
<b>Present Qty</b>		<b>8</b>	<b>Rate Rs.</b>	<b>3055.25</b>	<b>Amount</b>	<b>24442.00</b>

Contractor

*[Signature]*  
Assistant Executive Engineer,  
No.3 PWD Sub-Division,  
Doddaballapura

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BR NO -  $\frac{103}{30/9/21}$

# GOVERNEMENT OF KARNATAKA

## PWD RAMANAGARA-DIVISION, RAMANAGARA



**E-MB-1**

**I<sup>st</sup> And Part Bill**

**PWD, Magadi Sub Division**

<b>Name of Work</b>	:	Providing safety Barrier/crash barrier and other Road safety protection works for Kudur Shivaganga Road tank bund from km 3.00 to 3.25, in Magadi Taluk, Ramanagara District.
<b>Estimate Cost</b>	:	80.00 Lakhs.
<b>Head of Account</b>	:	5054-05-337-4-02-154 ನಾಲೆಗಳ ಬದಿಯಲ್ಲಿ ರಸ್ತೆ ಸುರಕ್ಷತಾ ಕಾಮಗಾರಿಗಳು ಮತ್ತು ಬ್ಯಾರಿಕೇಡಿಂಗ್ ಸುಧಾರಣೆಗಳು
<b>Agency</b>	:	Sri Jayaramu, Class I Contractor, Mandya
<b>AGR No &amp; Date</b>	:	98/2020-21, Date: 25-01-2021
<b>Tendered Amount</b>	:	Rs. 64,66,702=34

Assistant Executive Engineer  
Public Works Department,  
No.4 Sub Division, Magadi.

Executive Engineer  
Public Works Department,  
Ramanagara Division, Ramanagara.



EMB-1

Name of Work : Providing safety Barrier/crash barrier and other Road safety protection works for Kudur Shivaganga Road tank bund from km 3.00 to 3.25, in Magadi Taluk, Ramanagara District.

Estimate Cost: Rs. 80.00 Lakhs  
 Agency: Sri Jayaramu, Class I Contractor, Mandya  
 Head of Account: 5054-05-337-4-02-154 ವಾರ್ಡರ್ ಬಡಿಯಲ್ಲಿ ರಸ್ತೆ ಸುರಕ್ಷಣಾ ಕಾಮಗಾರಿಗಳು ಮತ್ತು ಬ್ಯಾರಿಯರಿಂಗ್ ಸುಧಾರಣೆಗಳು  
 Tendered Amount of Rs: Rs. 64,66,702=34  
 Sanction No: C.E.R No:86/2019-20  
 Agreement No: 168/2019-20, Date: 26-03-2020

BILL NO:- 1st & Part

Pre Measurement recorded on: 07-07-2020

Item No.1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 --- Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work					
Chainage	Unit	No.	L	B	D	Qty
<b>LEFT SIDE ON WIDENING SIDE Road tank Bund Ch 3.00 to 3.38km</b>						
0.00 to 30.00		1	30.00	2.10 + 2.20 2		64.50
30.00 to 60.00		1	30.00	2.20 + 2.10 2		64.50
60.00 to 90.00		1	30.00	2.10 + 2.20 2		64.50
90.00 to 120.00		1	30.00	2.20 + 2.10 2		64.50
120.00 to 150.00		1	30.00	2.10 + 2.20 2		64.50
150.00 to 180.00		1	30.00	2.20 + 2.10 2		64.50
180.00 to 200.00		1	20.00	2.10 + 2.20 2		43.00
200.00 to 230.00		1	30.00	2.20 + 2.10 2		64.50
230.00 to 260.00		1	30.00	2.10 + 2.20 2		64.50
260.00 to 290.00		1	30.00	2.20 + 2.10 2		64.50
290.00 to 320.00		1	30.00	2.10 + 2.20 2		64.50
320.00 to 350.00		1	30.00	2.20 + 2.10 2		64.50
<b>RIGHT SIDE</b>						
0.00 to 30.00		1	30.00	0.60 + 0.70 2		19.50

M.D.Shivakumar, A.E

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Chainage	Unit	No.	L	B	D	Qty	
30.00 to 60.00		1	30.00	$\frac{0.70 + 0.60}{2}$		19.50	
60.00 to 90.00		1	30.00	$\frac{0.60 + 0.70}{2}$		19.50	
90.00 to 120.00		1	30.00	$\frac{0.70 + 0.60}{2}$		19.50	
120.00 to 150.00		1	30.00	$\frac{0.60 + 0.70}{2}$		19.50	
150.00 to 180.00		1	30.00	$\frac{0.70 + 0.60}{2}$		19.50	
180.00 to 200.00		1	20.00	$\frac{0.60 + 0.70}{2}$	Moskito	13.00	
200.00 to 230.00		1	30.00	$\frac{0.70 + 0.60}{2}$	dry	19.50	
230.00 to 260.00		1	30.00	$\frac{0.60 + 0.70}{2}$	9/2/2020	19.50	
260.00 to 290.00		1	30.00	$\frac{0.70 + 0.60}{2}$		19.50	
290.00 to 320.00		1	30.00	$\frac{0.60 + 0.70}{2}$		19.50	
320.00 to 350.00		1	30.00	$\frac{0.70 + 0.60}{2}$		19.50	
<b>TOTAL QUANTITY</b>						<b>SQM</b>	<b>980.00</b>
<b>DEDUCTION 40% VOIDS</b>						<b>SQM</b>	<b>392.00</b>
<b>TOTAL QUANTITY</b>						<b>SQM</b>	<b>588.00</b>

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9/2/2020

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**M.D.Shivakumar, A.E**

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**AEE**

Chainage	Unit	No.	L	B	D	Qty
<b>Pre Measurement recorded on:</b> 12-08-2020						
<b>Item No.2</b>	KSRRB 300-48. Scarifying kankar I gravel/ metal crust by mechanical means upto 150mm thick disposal of stuff including cost of all labour charges, HOM complete as per specifications. MORTH I Chapter 3 — Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work					
Chainage	Unit	No.	L	B	D	Qty
<b>LEFT SIDE ON WIDENING SIDE Road tank Bund Ch 3.00 to 3.38km</b>						
0.00 to 30.00		1	30.00	2.00 + 2.50 2		67.50
30.00 to 60.00		1	30.00	2.50 + 3.00 2		82.50
60.00 to 90.00		1	30.00	3.00 + 3.10 2		91.50
90.00 to 120.00		1	30.00	3.10 + 3.00 2		91.50
120.00 to 150.00		1	30.00	3.00 + 3.10 2		91.50
150.00 to 180.00		1	30.00	3.10 + 3.00 2		91.50
180.00 to 200.00		1	20.00	3.00 + 3.10 2		61.00
200.00 to 230.00		1	30.00	3.10 + 3.00 2		91.50
230.00 to 260.00		1	30.00	3.00 + 3.10 2		91.50
260.00 to 290.00		1	30.00	3.10 + 3.00 2		91.50
290.00 to 320.00		1	30.00	3.00 + 3.10 2		91.50
<b>TOTAL QUANTITY</b>					<b>SQM</b>	<b>943.00</b>

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12/8/2020

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**M.D.Shivakumar, A.E**

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**AEE**



Chainage	Unit	No.	L	B	D	Qty
<b>Pre Measurement recorded on:</b> 12-08-2020						
<b>Item No.21</b>	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms). including cost of materials, labour, HOM complete as per specifications. — Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work					
Chainage	Unit	No.	L	B	D	Qty
<b>LEFT SIDE SSM WALL COPING Road tank Bund Ch 3.10 to 3.32km</b>						
0.00 to 30.00		1	30.00	$\frac{0.60}{2} + \frac{0.60}{2}$		18.00
30.00 to 60.00		1	30.00	$\frac{0.60}{2} + \frac{0.60}{2}$		18.00
60.00 to 90.00		1	30.00	$\frac{0.60}{2} + \frac{0.60}{2}$		18.00
90.00 to 120.00		1	30.00	$\frac{0.60}{2} + \frac{0.60}{2}$		18.00
120.00 to 150.00		1	30.00	$\frac{0.60}{2} + \frac{0.60}{2}$		18.00
150.00 to 180.00		1	30.00	$\frac{0.60}{2} + \frac{0.60}{2}$		18.00
180.00 to 210.00		1	30.00	$\frac{0.60}{2} + \frac{0.60}{2}$		18.00
210.00 to 220.00		1	10.00	$\frac{0.60}{2} + \frac{0.60}{2}$		6.00
<b>TOTAL QUANTITY</b>					<b>SQM</b>	<b>132.00</b>

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12/8/2020

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**M.D.Shivakumar, A.E**

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**AEE**

Chainage	Unit	No.	L	B	D	Qty
<b>Pre Measurement recorded on:</b> 14-08-2020						
<b>Item No.3</b>	KSRRB M300-53. Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 — Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work					
Chainage	Unit	No.	L	B	D	Qty
<b>LEFT SIDE ON WIDENING SIDE Road tank Bund Ch 3.00 to 3.38km</b>						
0.00 to 30.00		1	30.00	0.60 + 1.50 2	0.30+0.8 2	17.33
30.00 to 60.00		1	30.00	1.50 + 3.00 2	0.30+0.8 2	37.13
60.00 to 90.00		1	30.00	3.00 + 4.50 2	0.3+1.5 2	101.25
90.00 to 120.00		1	30.00	4.50 + 4.50 2	0.3+1.5 2	121.50
120.00 to 150.00		1	30.00	4.50 + 4.50 2	0.3+1.5 2	121.50 128.25
150.00 to 180.00		1	30.00	4.50 + 5.00 2	0.3+1.6 2	135.38
180.00 to 200.00		1	20.00	5.00 + 5.00 2	0.3+1.6 2	95.00
200.00 to 230.00		1	30.00	5.00 + 5.00 2	0.3+1.6 2	142.50
230.00 to 260.00		1	30.00	5.00 + 5.00 2	0.3+1.6 2	142.50
260.00 to 290.00		1	30.00	5.00 + 4.00 2	0.3+1.6 2	128.25
290.00 to 320.00		1	30.00	4.00 + 2.50 2	0.30+0.8 2	53.63
320.00 to 338.00		1	18.00	5.00 + 5.00 2	0.3+0.8 2	49.50
<b>RIGHT SIDE OF Road tank Bund Ch 3.00 to 3.38km</b>						
0.00 to 30.00		1	30.00	0.60 + 0.60 2	0.30+0.4 2	6.30
30.00 to 60.00		1	30.00	0.60 + 1.00 2	0.30+0.6 2	8.40
60.00 to 90.00		1	30.00	1.00 + 1.00 2	0.3+0.6 2	13.50
90.00 to 120.00		1	30.00	1.00 + 1.00 2	0.3+0.6 2	13.50
120.00 to 150.00		1	30.00	1.00 + 1.00 2	0.3+0.6 2	13.50
150.00 to 180.00		1	30.00	1.00 + 0.90 2	0.3+0.6 2	12.83 27.08
180.00 to 200.00		1	20.00	0.90 + 1.00 2	0.3+0.6 2	18.05
200.00 to 230.00		1	30.00	1.00 + 1.00 2	0.3+0.6 2	13.50 28.50

M.D.Shivakumar, A.E

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Chainage	Unit	No.	L	B	D	Qty
230.00 to 260.00		1	30.00	1.00 + 1.10 2	0.3+0.6 2	14.18 29.97
260.00 to 290.00		1	30.00	1.10 + 1.00 2	0.3+0.6 2	14.18 29.97
290.00 to 320.00		1	30.00	1.00 + 1.00 2	0.3+0.6 2	16.50 33.00
320.00 to 338.00		1	18.00	1.00 + 1.00 2	0.3+0.6 2	8.10 9.90
<b>TOTAL QUANTITY</b>					<b>CUM</b>	<b>1367.28</b>
<b>DEDUCT SHRINKAGE 5%</b>					<b>CUM</b>	<b>68.36</b>
<b>TOTAL QUANTITY</b>					<b>CUM</b>	<b>1298.91</b>

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1287.91  
(-) 64.87  

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1223.04

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**M.D.Shivakumar, A.E**

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**AEE**

Chainage	Unit	No.	L	B	D	Qty
<b>Pre Measurement recorded on:</b> 18-11-2020						
<b>Item No.4</b>	Construction of granular sub-base Grading-Vas Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications. Clause 401 of MORTH V Revision — Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work					
Chainage	Unit	No.	L	B	D	Qty
<b>LEFT SIDE ON WIDENING SIDE Road tank Bund Ch 3.00 to 3.38km IST LAYER</b>						
0.00 to 30.00		1	30.00	$\frac{1.50 + 1.50}{2}$	0.100	4.50
30.00 to 60.00		1	30.00	$\frac{1.50 + 2.10}{2}$	0.100	5.40
60.00 to 90.00		1	30.00	$\frac{2.10 + 2.30}{2}$	0.100	6.60
90.00 to 120.00		1	30.00	$\frac{2.30 + 2.30}{2}$	0.100	6.90
120.00 to 150.00		1	30.00	$\frac{2.30 + 2.30}{2}$	0.100	6.90
150.00 to 180.00		1	30.00	$\frac{2.30 + 2.30}{2}$	0.100	6.90
180.00 to 200.00		1	20.00	$\frac{2.30 + 2.30}{2}$	0.100	4.60
200.00 to 230.00		1	30.00	$\frac{2.30 + 2.30}{2}$	0.100	6.90
230.00 to 260.00		1	30.00	$\frac{2.30 + 2.30}{2}$	0.100	6.90
260.00 to 290.00		1	30.00	$\frac{2.30 + 2.30}{2}$	0.100	6.90
290.00 to 320.00		1	30.00	$\frac{2.30 + 2.30}{2}$	0.100	6.90
320.00 to 338.00		1	18.00	$\frac{2.30 + 2.30}{2}$	0.100	4.14
<b>TOTAL QUANTITY</b>					<b>CUM</b>	<b>73.54</b>

  
M.D. Shivakumar, A.E

  
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18/11/2020

MC 4.60  
18/11/2020

Chainage	Unit	No.	L	B	D	Qty
<b>Pre Measurement recorded on: 20-11-2020</b>						
<b>Item No.4</b>	Construction of granular sub-base Grading-Vas Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications. Clause 401 of MORTH V Revision — Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work					
Chainage	Unit	No.	L	B	D	Qty
<b>LEFT SIDE ON WIDENING SIDE Road tank Bund Ch 3.00 to 3.38km 2ND LAYER</b>						
0.00 to 30.00		1	30.00	$\frac{1.50 + 1.50}{2}$	0.100	4.50
30.00 to 60.00		1	30.00	$\frac{1.50 + 1.90}{2}$	0.100	5.10
60.00 to 90.00		1	30.00	$\frac{1.90 + 2.00}{2}$	0.100	5.85
90.00 to 120.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.100	6.00
120.00 to 150.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.100	6.00
150.00 to 180.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.100	6.00
180.00 to 200.00		1	20.00	$\frac{2.00 + 2.00}{2}$	0.100	4.00
200.00 to 230.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.100	6.00
230.00 to 260.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.100	6.00
260.00 to 290.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.100	6.00
290.00 to 320.00		1	30.00	$\frac{2.00 + 1.80}{2}$	0.100	5.70
320.00 to 338.00		1	18.00	$\frac{1.80 + 1.80}{2}$	0.100	3.24
<b>TOTAL QUANTITY</b>						<b>CUM 64.39</b>

64.39 58.39

*[Signature]*  
20/11/2020

*[Signature]*  
**M.D.Shivakumar, A.E**

Chainage	Unit	No.	L	B	D	Qty
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**EMB-1**

**Name of Work : Providing safety Barrier/crash barrier and other Road safety protection works for Kudur Shivaganga Road tank bund from km 3.00 to 3.25, in Magadi Taluk, Ramanagara District.**

Estimate Cost: Rs. 80.00 Lakhs  
 Agency: Sri Jayaramu, Class I Contractor, Mandya  
 Head of Account: 5054-05-337-4-02-154 ವಾರ್ಡರ್ ಬಡಿಯಲ್ಲಿ ರಸ್ತೆ ಸುರಕ್ಷಣಾ ಕಾಮಗಾರಿಗಳು ಮತ್ತು ವ್ಯಾಪ್ತಿ-ಡಿಂಗ್ ಸುಧಾರಣೆಗಳು  
 Tended Amount of Rs: Rs. 64,66,702=34  
 Sanction No: C.E.R No:86/2019-20  
 Agreement No: 168/2019-20, Date: 26-03-2020

**BILL NO:- 1st & Part**

**Measurement Recorded on 21-01-2021**

<b>Item No.1</b>	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 --- Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work		
	<b>Premeasurement recorded vide EMB-1, Page No.1-2</b>	<b>SQM</b>	<b>588.00</b>
	<b>Qty limited to BOQ</b>	<b>SQM</b>	<b>567.00</b>
	<b>Now to be Paid Qty</b>	<b>SQM</b>	<b>567.00</b>
<b>Item No.2</b>	KSRRB 300-48. Scarifying kankar I gravel/ metal crust by mechanical means upto 150mm thick disposal of stuff including cost of all labour charges, HOM complete as per specifications. MORTH I Chapter 3 --- Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work		
	<b>Premeasurement recorded vide EMB-1, Page No.3</b>	<b>SQM</b>	<b>943.00</b>
	<b>Qty limited to BOQ</b>	<b>SQM</b>	<b>735.00</b>
	<b>Now to be Paid Qty</b>	<b>SQM</b>	<b>735.00</b>
<b>Item No.3</b>	KSRRB M300-53. Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 --- Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work		
	<b>Premeasurement recorded vide EMB-1, Page No.5</b>	<b>CUM</b>	<b>1298.97</b>
	<b>Qty limited to BOQ</b>	<b>CUM</b>	<b>1297.87</b>
	<b>Now to be Paid Qty</b>	<b>CUM</b>	<b>1297.87</b>

1232.51  
1232.5

  
**M.D. Shivakumar, A.E**

  
**AEE**

Chainage	Unit	No.	L	B	D	Qty
<b>Item No.4</b>	Construction of granular sub-base Grading-Vas Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications. Clause 401 of MORTH V Revision — Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work					
	<b>Premeasurement recorded vide EMB-1, Page No.7 &amp; 8</b>				<b>CUM</b>	<b>137.93</b>
	<b>Now to be Paid Qty</b>				<b>CUM</b>	<b>137.93</b>
<b>Item No.5</b>	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 including cost and conveyance of all materials, all labour, all lead and lifts, loading & unloading chares, hire charges of all machinery and equipments and all other incidental charges. The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work					
Chainage	Unit	No.	L	B	D	Qty
<b>LEFT SIDE ON WIDENING SIDE Road tank Bund Ch 3.00 to 3.38km</b>						
0.00 to 30.00		1	30.00	$\frac{1.20 + 1.50}{2}$	0.250	10.13
30.00 to 60.00		1	30.00	$\frac{1.50 + 1.90}{2}$	0.250	12.75
60.00 to 90.00		1	30.00	$\frac{1.90 + 2.00}{2}$	0.250	14.63
90.00 to 120.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.250	15.00
120.00 to 150.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.250	15.00
150.00 to 180.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.250	15.00
180.00 to 200.00		1	20.00	$\frac{2.00 + 2.00}{2}$	0.250	10.00
200.00 to 230.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.250	15.00
230.00 to 260.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.250	15.00
260.00 to 290.00		1	30.00	$\frac{2.00 + 2.00}{2}$	0.250	15.00
290.00 to 320.00		1	30.00	$\frac{2.00 + 1.80}{2}$	0.250	14.25
320.00 to 338.00		1	18.00	$\frac{1.80 + 1.80}{2}$	0.250	8.10
<b>TOTAL QUANTITY</b>					<b>CUM</b>	<b>159.85</b>
<b>Now to be Paid Qty</b>					<b>CUM</b>	<b>159.85</b>

  
**M.D. Shivakumar, A.E**

01/03/2024  
 EE Ramesh Kumar

  
**AEE**

Chainage	Unit	No.	L	B	D	Qty
<b>Item No.21</b>	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms). including cost of materials, labour, HOM complete as per specifications. --- Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work					
	<b>Premeasurement recorded vide EMB-1, Page No.4</b>				<b>SQM</b>	<b>132.00</b>
	<b>Qty limited to BOQ</b>				<b>SQM</b>	<b>112.50</b>
	<b>Now to be Paid Qty</b>				<b>SQM</b>	<b>112.50</b>
<b>Item No.22</b>	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 --- Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in charge of the work					
Chainage	Unit	No.	L	B	D	Qty
<b>LEFT SIDE SSM WALL Road tank Bund Ch 3.10 to 3.33km</b>						
0.00 to 30.00		1	30.00	$\frac{0.60 + 0.60}{2}$	1.000	18.00
30.00 to 60.00		1	30.00	$\frac{0.60 + 0.60}{2}$	1.000	18.00
60.00 to 90.00		1	30.00	$\frac{0.60 + 0.60}{2}$	1.000	18.00
90.00 to 120.00		1	30.00	$\frac{0.60 + 0.60}{2}$	1.000	18.00
120.00 to 150.00		1	30.00	$\frac{0.60 + 0.60}{2}$	0.900	16.20
150.00 to 180.00		1	30.00	$\frac{0.60 + 0.60}{2}$	0.900	16.20
180.00 to 210.00		1	30.00	$\frac{0.60 + 0.60}{2}$	0.900	16.20
210.00 to 220.00		1	10.00	$\frac{0.60 + 0.60}{2}$	0.800	4.80
STEPS		1	2.40	$\frac{0.90 + 0.90}{2}$	0.400	0.86
STEPS		1	2.00	$\frac{0.90 + 0.90}{2}$	0.200	0.36
STEPS		1	1.60	$\frac{0.90 + 0.90}{2}$	0.200	0.29
STEPS		1	1.20	$\frac{0.90 + 0.90}{2}$	0.200	0.22
STEPS		1	0.80	$\frac{0.90 + 0.90}{2}$	0.200	0.14
STEPS		1	0.40	$\frac{0.90 + 0.90}{2}$	0.200	0.07
<b>TOTAL QUANTITY</b>					<b>CUM</b>	<b>127.34</b>
<b>Now to be Paid Qty</b>					<b>CUM</b>	<b>127.34</b>

M.D.Shivakumar, A.E

AEE



Chainage	Unit	No.	L	B	D	Qty
<b>Item No.23</b>	KSRB 15.1.2 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. — Including cost and conveyance of all materials. labour, hire charges of machineries and equipments with all lead and lifts, loading and unloading charges etc... complete as directed as per the specification and direction of Engineer-in-charge of the work					
Chainage	Unit	No.	L	B	D	Qty
<b>LEFT SIDE SSM WALL Road tank Bund Ch 3.10 to 3.33km</b>						
0.00 to 30.00	FRONT SIDE	1	30.00		1.000	30.00
30.00 to 60.00		1	30.00		1.000	30.00
60.00 to 90.00		1	30.00		1.000	30.00
90.00 to 120.00		1	30.00		1.000	30.00
120.00 to 150.00		1	30.00		0.900	27.00
150.00 to 180.00		1	30.00		0.900	27.00
180.00 to 210.00		1	20.00		0.900	18.00
210.00 to 220.00		1	10.00		0.800	8.00
0.00 to 30.00	BACK SIDE	1	30.00		1.000	30.00
30.00 to 60.00		1	30.00		1.000	30.00
60.00 to 90.00		1	30.00		1.000	30.00
90.00 to 120.00		1	30.00		1.000	30.00
120.00 to 150.00		1	30.00		0.900	27.00
150.00 to 180.00		1	30.00		0.900	27.00
180.00 to 210.00		1	20.00		0.900	18.00
210.00 to 220.00		1	10.00		0.800	8.00
<b>TOTAL QUANTITY</b>					<b>SQM</b>	<b>400.00</b>
<b>Now to be Paid Qty</b>					<b>SQM</b>	<b>400.00</b>

*[Signature]*  
**Assistant Engineer**  
Public Works Department,  
No.4 Sub-Division, Magadi.

*[Signature]*  
**Assistant Executive Engineer** 21/1/2021  
Public Works Department,  
No.4 Sub-Division, Magadi.

**M.D.Shivakumar, A.E**

