



Moodlakatte Institute of Technology

(A Unit of Moodlakatte Nagarathna Bhujanga Shetty Trust (R.))

(Approved by AICTE, New Delhi & Affiliated to V.T.U., Belagavi)

Moodlakatte - 576 217, Kundapura Taluk, Udupi District, Karnataka

Ref. No. MITK/CV/GW/2021-22/KRIDL/10/007

A WIDE
HORIZON
Date: 18/10/2021
OPPORTUNITIES

INSPECTION/ WORK COMPLETION REPORT

1	Name of the Department	KRIDL UDUPI
2.	Name of the Work/ Scheme	CONSTRUCTION WORK OF SABHABHAVANA NEAR ST COLONY, AT VADDARSE G.PUDUPI TALUK & DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF GRAMA VIKASA-GRANT
4	Estimate Cost	Rs. 12,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	112/2020-21 Dated: 04.08.2020
7	Bill Amount	Rs. 12,00,000.00/-
8	Name of the Department Engineer present at site	
9.	Name of the inspecting consultants Engineer	Mr. PRASHANTH HEGDE
10.	Date of commencement of the work	21/06/2021
11.	Date of Completion	18/08/2021
12.	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	09/07/2021, 16/09/2021
13.	Status of the Work	COMPLETED
14.	Details of Quality tests (at work site and at lab) carried out by consultants	Inspected the progress of the work, and carried out Material test. Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15.	Photographs of the works along with date of inspection on the photo	Attached
16.	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification. Measurement were checked at random place & found to be correct. Shouldering is completed. Board has been installed water cement ratio used was 0.52 True Slump = 64 mm
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions, Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached)

for
Prof. Prashanth Hegde
(HOD, Civil Department)

Professor & Head, Civil Department
MOODLAKATTE INSTITUTE OF TECHNOLOGY
Moodlakatte, Kundapura - 576 217
Udupi Dist., Karnataka

Principal
Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

Mr. Prashanth Hegde
(Inspection Engineer)



ಕಾಮಗಾರಿಯ ಹೆಸರು : ಉಡುಪಿ ತಾಲೂಕು ವಡ್ಡೆರ್ ಗ್ರಾಮ ಪಂಚಾಯತ್ ಕಾವಡಿ ಗ್ರಾಮದ ಪ.ಪಂಗಡ ಕಾಲನಿ ಬಳಿ ಸಭಾಭವನ ನಿರ್ಮಾಣ

Tech 112/2020-21 Dtd: 04.08.2020.

ಅಂದಾಜು ಮೊತ್ತ: 12.00 ಲಕ್ಷ

measurement

Sl. No.	PARTICULARS	NO's	L	B	D	QTY.	UNIT
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specification. No. KBS 2.1(b)/2.3.5 (Page No.6, Sl. No. 2.4)						
	Measurement:						
	footing	8	1.50	1.50	1.50	27.00	
	wall	2	8.52	0.75	0.75	9.59	
		2	5.48	0.75	0.75	6.17	
						42.75	Cumt
2	KSRB 4.1-3 : Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layer not exceeding 15 cms. Thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No.13, Sl. No. 4.3).						
	footing	8	1.50	1.50	0.15	2.70	
	wall	2	8.52	0.75	0.15	1.92	
		2	5.48	0.75	0.15	1.23	
	floor	1	7.54	6.00	0.05	2.26	
	step	1	2.10	0.60	0.05	0.06	
						8.18	Cumt
3	KSRB 4.2.3 : Providing & laying in position reinforced cement concrete of mix M25 with OPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layer not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plaster, columns, pillars, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (Page No.14, Sl.No. 4.12)						
	footing	8	1.50	1.50	0.30	5.40	
	pedestal	8	0.60	0.45	1.20	2.59	
	plinth	2	8.00	0.23	0.30	1.10	
		2	6.00	0.23	0.30	0.83	
	column	8	0.60	0.23	3.30	3.64	
	lintel	2	8.00	0.23	0.15	0.55	
		2	6.00	0.23	0.15	0.41	
	Front Shade	1	6.46	1.00	0.10	0.65	
						15.18	Cumt
4	KSRB 4.2.10: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum , with superplasticiser @ 0.225 its machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing complete as per specifications. Specification No. KBS 4.1, 4.6. (Page No. 15, Sl. No.4.19)						
	Window shade	6	1.60		0.60	5.76	
						5.76	sqm

5	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2					
	(Page No. 17, Sl. No.4.37)					
	Window shade	6	1.60		0.60	5.76
						5.76 sqm
6	KSRB 4-6.1 : Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2					
	(Page No. 16, Sl. No.4.28)					
	footing	8	6.00		0.30	14.40
						14.40 sqm
7	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillar, pier, abutments, post and struts, square/ rectangular/ polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2					
	(Page No. 16, Sl. No.4.32)					
	pedastal	8	2.10		1.20	20.16
	column	8	1.66		3.30	43.82
						63.98 sqm
8	KSRB 4-6.8 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girder, bressumer and lintels exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2					
	(Page No. 17, Sl. No.4.35)					
	p beam	4	8.00		0.30	9.60
		4	6.00		0.30	7.20
	lintel	6	1.50	0.23		2.07
		4	8.00		0.15	4.80
		4	6.00		0.15	3.60
						27.27 Sqmt
9	KSRB 4-6.2 : Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4-6.2					
	(Page No. 16, Sl. No.4.29)					
		1	6.46	1.00		6.46
						6.46 Sqmt
10	KSRB 4-9.2: Providing T.M.T Steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping, and /or welding wherever required, tying with binding wire and anchoring to the adjoining membe` wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labou`, HOM of machinery complete as per specifications. Specification. No. KBS 4.6.3					
	(Page No.18, Sl. No.4.46)					
	colmn	6.24	Cumt	x	120	748.22
	footing	5.40	Cumt	x	40	216.00
	lintel	0.97	Cumt	x	90	86.94
	shade	0.65	Cumt	x	80	51.68
						1102.84 KGS
						1.103 tnn
11	KSRB 5-2-3 : Providing and constructing granite/ trap/ basalt size stone masonry in foundation with cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each cou`e including cost of materials, labour, curing complete as per specifications. KBS 5.1.13					
	(Page No. 25, Sl. No. 5.6)					
	Foundation	2	8.37	0.60	0.60	6.03

		2	5.63	0.60	0.60	4.05	
	Steps	1	5.40	0.45	0.45	1.09	
						11.17	cumt
12	KSRB 5.3-3 : Providing and constructing granite/ trap/ basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each cou'e including cost of materials, labour, curing complete as per specifications. KBS 5.1.13						
	(Page No. 25, Sl. No. 5.9)						
	foondation	2	8.22	0.45	0.45	3.33	
		2	5.78	0.45	0.45	2.34	
	Steps	1	5.40	0.45	0.30	0.73	
						6.40	cumt
13	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregates @ 0.43 cum, with superlastiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in laye` not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2						
	(Page No. 13, Sl. No. 4.6)						
	foundation	2	8.22	0.45	0.10	0.74	
		2	5.78	0.45	0.10	0.52	
	Steps	1	5.40	0.45	0.10	0.24	
						1.50	cumt
14	KSRB 2.5 : Earthwork excavation (in deposited soil) and filling sides of foundation upto plinth in laye` not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead and upto 50m. and lift upto 1.5m. including cost of all labour complete as per specifications. Specification No. KBS 2.9.9/2.9.10.1/2.11 (page no7 sl no 2.12)						
	Total Excavated Qty					27.00	
	Deduct						
	Footing Bed					2.70	
	Footing					5.40	
					Net Qty	18.90	
		1	7.54	6.00	0.45	20.358	
			18.90	+	20.36	39.26	cum
15	Providing and construction laterite size stone masonry including cost and conveyance of all materials curing etc., complete as per specification For super structure in C.M 1:6 (Cement 45kgs/M3)						
	(Page No.384, Sl. No. 42.5.3)						
	wall	2	8.00	0.23	3.30	12.14	
		2	6.00	0.23	3.30	9.11	
						21.25	cum
	deduct openings						
	w	6	1.50	0.23	1.50	3.11	
		1	1.20	0.23	2.10	0.58	
						3.68	
						17.57	cum
16	Providing flooring with 60 cms x 60 cms size Vittrified glazed tiles of approved quality & make, fixed on top of existing flooring fixed with suitable adhesive, including cutting the tiles to the required size and fixing etc., complete.						
	(Page No. 109 , Sl. No. 14.45)						
	floor	1	7.54	6.00		45.24	
	steps	1	2.10	2.10		4.41	
	skirting	1	25.88	0.10		2.59	
						52.24	sqm

17	KSRB 15-3.10: Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering; Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.						
	(Page No. 116, Sl. No. 15.18)						
	outside	1	28.00		4.05	113.40	
	inside	1	27.08		3.30	89.36	
	extra for steps					10.00	
						212.76	
	deduct openings						
	w	6	1.50	1.50		13.50	
	D	1	1.20	2.10		2.52	
						16.02	
						196.74	Sqmt
18	KSRB 15-15.1: Providing and applying painting in two coats with primer plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.						
	(Page No. 119, Sl. No. 15.51.2)						
	plastering area					196.74	
						196.74	sqmt
19	KSRB 15-18.1: Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after thoroughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.						
	(Page No.123, Sl. No. 15.73)						
	window	6	1.50	1.50		13.50	
		2	side	1.50		40.50	Sqmt
20	KSRB 15-18.2: Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.						
	(Page No. 123, Sl. No. 15.74)						
						40.50	Sqmt
21	KSRB 9.4-3 : Providing Mathi/ Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster grooves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33						
	(Page No. 51, Sl. No. 9.12)						
		1	6.10	0.13	0.10	0.08	Sqmt
22	KSRB 9-7.3 : Providing and fixing in position fully panelled Mathi/Nandi wood shutter for door, styles and rails of 30mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34						
	(Page No. 54, Sl. No. 9.22)						
		1	1.20		2.10	2.52	Sqmt
23	KSRB 7.9 : Providing and fixing M.S grill work for windows and ventilators weighing 21kg/sqm using M.S flats, or M.S. square rods, or combination of M.S flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12						
	(Page No. 34 , Sl. No. 7.9)						
		6	1.50	1.50		13.50	Sqmt
			21.00	kg		283.50	
						283.50	kg

24	Fabricating, supplying and erecting M.S. Angular Truss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined member and at supporting ends 40x40x5mm single angle is provided. All the member are welded together with 6mm gusset plate as per Drawing No.CBS/SD/K-Mantaps/mnd/97. The entire truss is anchored in RCC column by using 4 Nos of M.S anchor bolts at each support, with 10mm thick base plate and shoe plate. The Work includes cutting, straightening, placing in position of M.S angle and welding wherever necessary and applying one coat of red oxide primer coat to all the member including cost of all materials, labour charges and hire charges of machineries for cutting, welding, grinding and erection equipments etc.. complete as per specification						
	(Page No. 43 , Sl. No. 7.30)						
						600.00	
						600.00	kg
25	Providing and installing of pre painted Galvalume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200mm c/c with 2 ribs at the center for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/ A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. complete as per specification						
	(Page no 299 ,Sl.no.38.30)						
		1	11.00	9.00		99.00	sqmt
26	Providing and installing of approved make pre painted Galvalume iron Accessories, like, plain, ridges, plain gutter, plain flashing, corner Trim, etc. The total coated thickness (TCT) of the sheet shall be 0.47 mm +/- 0.02 tolerance mm Zinc-Alu Alloy coating AZ 150 gsm as per ASTM 1397/755 - 550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling / self tapping screws of 25 mm length. (width upto 500-600 mm only), to be fixed over the existing purlins, rafters, channels and trusses.						
	(Page no 301 ,Sl.no.38.31)						
		2	11.00	0.60		13.20	sqmt
27	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm. thick , bottom section weight 0.695 kg/m, sides and top sections 1.3mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm. thick weight 0.417 kg/m, shutter outer side 40mmx18mm, 1.25mm, thick weight 0.417 kg/m, shutter intelock section 40mmx26.7mm, 1.1 mm rsrsthtk, weight 0.469 kg/m. the shutters mounted on nylon roller with approved quality of fixtures such as aluminium handles tower bolts etc., and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading using aluminium sections powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved qualityincluding cutting to required length , joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corner angles etc., and fixed to the walls, lintels, floor beams/ cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS						
	(Page no35 ,Sl.no.7.10.1)						
		6	1.50	1.50		13.50	sqmt
28	Electrifications						bill



Moodlakatte Institute of Technology

(A Unit of Moodlakatte Nagarathna Bhujanga Shetty Trust (R.))

(Approved by AICTE, New Delhi & Affiliated to V.T.U., Belagavi)

Moodlakatte - 576 217, Kundapura Taluk, Udupi District, Karnataka

A WIDE
HORIZON OF
OPPORTUNITIES

Ref.No.: MITK/CV/CW/2021-22/KRIDL/10/008

Date: 19/10/2021

INSPECTION/ WORK COMPLETION REPORT

1	Name of the Department	KRIDL UDUPI
2.	Name of the Work/ Scheme	CONCRETINH WORK OF HULABETTU SC COLONY ROAD AT KADURUG.P, KUNDAPURA CONSTITUENCY, UDUPI DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF MALNAD AREA DEVELOPMENT GRANT
4	Estimate Cost	Rs. 20,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	31/2021-22 Dated: 09.07.2020
7	Bill Amount	Rs. 20,00,000.00/-
8	Name of the Department Engineer present at site	
9.	Name of the inspecting consultants Engineer	Mr. PRASAD GAONKAR
10.	Date of commencement of the work	21/07/2021
11.	Date of Completion	16/08/2021
12.	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	28/07/2021, 07/09/2021
13.	Status of the Work	COMPLETED
14.	Details of Quality tests (at work site and at lab) carried out by consultants	Inspected the progress of the work, and carried out Material test. compressive strength of core samples Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15.	Photographs of the works along with date of inspection on the photo	Attached
16.	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification Measurement were checked at random place & found to be correct. Shouldering is completed. Board has been installed water cement ratio used was 0.52 True Slump - 66 mm
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions , Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached)

Prof. Prasanna Kumar
(HOD, Civil Department)

HOD, Civil Department

Mr. Prasad Gaonkar
(Inspection Engineer)

Inspection Engineer

Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

Tech 31/2021-22 Dtd: 09.07.2020 Rs. 20,00,000.00

- 1 Excavation for roadway in soil by mechanical means including cutting and pushing the earth to site of embankment upto a distance of 100 m, including trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections.

Road	1	x	110.00	x	4.00	x	0.20	=	88.00	
									88.00	Cum

- 2 Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.(By Mechanical Means with 1km lead)

0-15	1	x	15.00	$\frac{3.70 + 3.70}{2}$	x	0.15	=	8.33
15-30	1	x	15.00	$\frac{3.70 + 3.70}{2}$	x	0.15	=	8.33
30-45	1	x	15.00	$\frac{3.70 + 3.65}{2}$	x	0.15	=	8.27
45-60	1	x	15.00	$\frac{3.65 + 3.75}{2}$	x	0.15	=	8.33
60-75	1	x	15.00	$\frac{3.50 + 3.70}{2}$	x	0.15	=	8.10
75-90	1	x	15.00	$\frac{3.70 + 3.75}{2}$	x	0.15	=	8.38
90-105	1	x	15.00	$\frac{3.75 + 3.70}{2}$	x	0.15	=	8.38
105-110	1	x	15.00	$\frac{3.70 + 3.70}{2}$	x	0.150	=	8.33

66.43 Cum

- 2 Construction of un-reinforced, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383,

0-15	1	x	15.00	$\frac{3.70 + 3.70}{2}$	x	0.15	=	8.33
15-30	1	x	15.00	$\frac{3.70 + 3.70}{2}$	x	0.15	=	8.33
30-45	1	x	15.00	$\frac{3.70 + 3.65}{2}$	x	0.15	=	8.27
45-60	1	x	15.00	$\frac{3.65 + 3.75}{2}$	x	0.15	=	8.33
60-75	1	x	15.00	$\frac{3.50 + 3.70}{2}$	x	0.15	=	8.10
75-90	1	x	15.00	$\frac{3.70 + 3.75}{2}$	x	0.15	=	8.38
90-105	1	x	15.00	$\frac{3.75 + 3.70}{2}$	x	0.15	=	8.38
105-110	1	x	15.00	$\frac{3.70 + 3.70}{2}$	x	0.150	=	8.33

66.43 Cum

- 4 Construction of embankment with approved material obtained from borrow pits
Road 2 x 110.00 x 0.45 x 0.30 = 29.37

Principal
Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

Ref.No.: MITK/CV/CW/2021-22/KRIDL/11/002

Date:10/11/2021

INSPECTION/ WORK COMPLETION REPORT

1	Name of the Department	KRIDL UDUPI
2	Name of the Work/ Scheme	ASPHALTING OF KADTIAMMA TEMPLE ROAD AT MANURU, KOTA G.P, UDUPI DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF MALNAD AREA DEVELOPMENT 2019-20
4	Estimate Cost	Rs. 10,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	27/2021-22 Dated:16.08.2021
7	Bill Amount	Rs. 10,00,000.00/-
8	Name of the Department Engineer present at site	
9	Name of the inspecting consultants Engineer	Mr PRASHANTH HEGDE
10	Date of commencement of the work	15//10/2021
11	Date of Completion	30/10/2021
12	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	22/10/2021, 02/11/2021
13	Status of the Work	COMPLETED
14	Details of Quality tests (at work site and at lab)carried out by consultants	Inspected the progress of the work, and carried out Material test. Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15	Photographs of the works along with date of inspection on the photo	Attached
16	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification Measurement were checked at random place & found to be correct. Shouldering is completed. Board has been installed .
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions , Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement Prof. Prashanth Hegde (HOD, Civil Department)	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached) Prof. Prashanth Hegde (Inspection Engineer)

Professor & Head, Civil Department
MOODLAKATTE INSTITUTE OF TECHNOLOGY
Moodlakatte, Kundapura -576 217
Udupi Dist., Karnataka

Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka



KARNATAKA RURAL INFRASTRUCTURE DEVELOPMENT LIMITED,
UDUPI DIVISION

ಕಾಮಗಾರಿಯ ಹೆಸರು :		ಕೋಟಿ ಗ್ರಾ.ಪಂ ವ್ಯಾಪ್ತಿಯ ಮೂರು ಕಾಡ್ತಿಯಮ್ಮ ದೇವಸ್ಥಾನ ರಸ್ತೆ ಡಾಂಬರೀಕರಣ.					
TECH- 27/2021-22, D-16.08.2021 for Rs 10.00 Lakhs			Scheme:2019-20 ನೇ ಸಾಲಿನ ಮಲೆನಾಡು ಪ್ರದೇಶ ಅಭಿವೃದ್ಧಿ ಮಂಡಳಿ			ರಾಜ್ಯ ಮೊತ್ತ: ರೂ. 10.00	
Sl. No.	Items of work	No	L	B	D/H	Qty	Unit
1	2	3	4	5	6	7	8
1	Excavation for roadway in soil by mechanical means including cutting and pushing the earth to site of embankment upto a distance of 100 m, including trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections. (PRED SR 2018-19, Page 34 , Item No.3.5.(ii)) EWE	1	404.00	3.50	0.20	=	282.80 <u>282.80</u> Cum
2	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405. WBM Grading 2 (PRED SR 2018-19, Page 45 , Item No.4.7.1(B))						
	0-30	1	30.00	3.00	3.00	x 0.075 =	7.00
	30-60	1	30.00	3.00	3.10	x 0.075 =	7.00
	60-90	1	30.00	3.10	3.30	x 0.075 =	7.00
	90-120	1	30.00	3.30	2.95	x 0.075 =	7.00
	120-150	1	30.00	2.95	2.95	x 0.075 =	7.00
	150-180	1	30.00	2.95	3.00	x 0.075 =	7.00
	180-210	1	30.00	3.00	3.00	x 0.075 =	7.00
	210-240	1	30.00	3.00	3.00	x 0.075 =	7.00
	240-270	1	30.00	3.00	3.05	x 0.075 =	7.00
	270-300	1	30.00	3.05	3.00	x 0.075 =	7.00
	300-330	1	30.00	3.00	3.10	x 0.075 =	7.00
	330-360	1	30.00	3.10	3.00	x 0.075 =	7.00
	360-390	1	30.00	3.00	3.00	x 0.075 =	7.00

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Udupi Dist, Karnataka

	390-404	1 x	14.00 x(	$\frac{3.00}{2} + \frac{3.05}{2}$	)x	0.075 =	3.00	
								<u>94.00</u> Cum
3	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405. WBM Grading 3 (PRED SR 2018-19, Page 46 , Item No.4.7.3(B))							
	0-30	1 x	30.00 x(	$\frac{3.00}{2} + \frac{3.00}{2}$	)x	0.075 =	7.00	
	30-60	1 x	30.00 x(	$\frac{3.00}{2} + \frac{3.10}{2}$	)x	0.075 =	7.00	
	60-90	1 x	30.00 x(	$\frac{3.10}{2} + \frac{3.30}{2}$	)x	0.075 =	7.00	
	90-120	1 x	30.00 x(	$\frac{3.30}{2} + \frac{2.95}{2}$	)x	0.075 =	7.00	
	120-150	1 x	30.00 x(	$\frac{2.95}{2} + \frac{2.95}{2}$	)x	0.075 =	7.00	
	150-180	1 x	30.00 x(	$\frac{2.95}{2} + \frac{3.00}{2}$	)x	0.075 =	7.00	
	180-210	1 x	30.00 x(	$\frac{3.00}{2} + \frac{3.00}{2}$	)x	0.075 =	7.00	
	210-240	1 x	30.00 x(	$\frac{3.00}{2} + \frac{3.00}{2}$	)x	0.075 =	7.00	
	240-270	1 x	30.00 x(	$\frac{3.00}{2} + \frac{3.05}{2}$	)x	0.075 =	7.00	
	270-300	1 x	30.00 x(	$\frac{3.05}{2} + \frac{3.00}{2}$	)x	0.075 =	7.00	
	300-330	1 x	30.00 x(	$\frac{3.00}{2} + \frac{3.10}{2}$	)x	0.075 =	7.00	
	330-360	1 x	30.00 x(	$\frac{3.10}{2} + \frac{3.00}{2}$	)x	0.075 =	7.00	
	360-390	1 x	30.00 x(	$\frac{3.00}{2} + \frac{3.00}{2}$	)x	0.075 =	7.00	
	390-404	1 x	14.00 x(	$\frac{3.00}{2} + \frac{3.05}{2}$	)x	0.075 =	3.00	
								<u>94.00</u> Cum
4	Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical means as per Technical Specification Clause 502 (PRED SR 2018-19, Page 53 , Item No.5.1(i))							
	0-30	1	30.00 x(	$\frac{3.00}{2} + \frac{3.00}{2}$	)=		90.00	

30-60	1 x	30.00 x(	3.00 + 2	3.10	)=	90.00
60-90	1 x	30.00 x(	3.10 + 2	3.30	)=	93.00
90-120	1 x	30.00 x(	3.30 + 2	2.95	)=	99.00
120-150	1 x	30.00 x(	2.95 + 2	2.95	)=	88.50
150-180	1 x	30.00 x(	2.95 + 2	3.00	)=	88.50
180-210	1 x	30.00 x(	3.00 + 2	3.00	)=	90.00
210-240	1 x	30.00 x(	3.00 + 2	3.00	)=	90.00
240-270	1 x	30.00 x(	3.00 + 2	3.05	)=	90.00
270-300	1 x	30.00 x(	3.05 + 2	3.00	)=	91.50
300-330	1 x	30.00 x(	3.00 + 2	3.10	)=	90.00
330-360	1 x	30.00 x(	3.10 + 2	3.00	)=	93.00
360-390	1 x	30.00 x(	3.00 + 2	3.00	)=	90.00
390-404	1 x	14.00 x(	3.00 + 2	3.05	)=	42.00
						<u>1225.50</u> Sqm

- 5 Providing and applying **tack coat** with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.

(PRED SR 2018-19, Page 54 , Item No.5.2(iii))

0-30	1 x	30.00 x(	3.00 + 2	3.00	)=	90.00
30-60	1 x	30.00 x(	3.00 + 2	3.10	)=	90.00
60-90	1 x	30.00 x(	3.10 + 2	3.30	)=	93.00
90-120	1 x	30.00 x(	3.30 + 2	2.95	)=	99.00
120-150	1 x	30.00 x(	2.95 + 2	2.95	)=	88.50
150-180	1 x	30.00 x(	2.95 + 2	3.00	)=	88.50
180-210	1 x	30.00 x(	3.00 + 2	3.00	)=	90.00
210-240	1 x	30.00 x(	3.00 + 2	3.00	)=	90.00
240-270	1 x	30.00 x(	3.00 +	3.05	)=	90.00

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270-300	1 x	30.00 x(	3.05 +	3.00	)=	91.50
300-330	1 x	30.00 x(	3.00 +	3.10	)=	90.00
330-360	1 x	30.00 x(	3.10 +	3.00	)=	93.00
360-390	1 x	30.00 x(	3.00 +	3.00	)=	90.00
390-404	1 x	14.00 x(	3.00 +	3.05	)=	42.00

1225.50 Sqm

- 6 Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per Technical Specification Clause 508. Case 1 By Manual Means i) Bitumen (S-90)

(PRED SR 2018-19, Page 57 , Item No.5.9 case 1 (i))

0-30	1 x	30.00 x(	3.00 +	3.00	)=	90.00
30-60	1 x	30.00 x(	3.00 +	3.10	)=	90.00
60-90	1 x	30.00 x(	3.10 +	3.30	)=	93.00
90-120	1 x	30.00 x(	3.30 +	2.95	)=	99.00
120-150	1 x	30.00 x(	2.95 +	2.95	)=	88.50
150-180	1 x	30.00 x(	2.95 +	3.00	)=	88.50
180-210	1 x	30.00 x(	3.00 +	3.00	)=	90.00
210-240	1 x	30.00 x(	3.00 +	3.00	)=	90.00
240-270	1 x	30.00 x(	3.00 +	3.05	)=	90.00
270-300	1 x	30.00 x(	3.05 +	3.00	)=	91.50
300-330	1 x	30.00 x(	3.00 +	3.10	)=	90.00
330-360	1 x	30.00 x(	3.10 +	3.00	)=	93.00
360-390	1 x	30.00 x(	3.00 +	3.00	)=	90.00
390-404	1 x	14.00 x(	3.00 +	3.05	)=	42.00

1225.50 Sqm

7	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 (A) By manual means (i)Bitumen (S-90) (PRED SR 2018-19, Page 57 , Item No.5.9 case 1 (i))						
	0-30	1 x	30.00 x(	3.00 +	3.00	)=	90.00
				2			
	30-60	1 x	30.00 x(	3.00 +	3.10	)=	90.00
				2			
	60-90	1 x	30.00 x(	3.10 +	3.30	)=	93.00
				2			
	90-120	1 x	30.00 x(	3.30 +	2.95	)=	99.00
				2			
	120-150	1 x	30.00 x(	2.95 +	2.95	)=	88.50
				2			
	150-180	1 x	30.00 x(	2.95 +	3.00	)=	88.50
				2			
	180-210	1 x	30.00 x(	3.00 +	3.00	)=	90.00
				2			
	210-240	1 x	30.00 x(	3.00 +	3.00	)=	90.00
				2			
	240-270	1 x	30.00 x(	3.00 +	3.05	)=	90.00
				2			
	270-300	1 x	30.00 x(	3.05 +	3.00	)=	91.50
				2			
	300-330	1 x	30.00 x(	3.00 +	3.10	)=	90.00
				2			
	330-360	1 x	30.00 x(	3.10 +	3.00	)=	93.00
				2			
	360-390	1 x	30.00 x(	3.00 +	3.00	)=	90.00
				2			
	390-404	1 x	14.00 x(	3.00 +	3.05	)=	42.00
				2			
							<u>1225.50</u> Sqm
8	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5 (PRED SR 2018-19, Page No.33 Item No.3.4) Shoulders						
		2 x	404.00 x	0.45 x	0.15	=	55.36
							<u>55.36</u> Cum
10	Providing Name Boards						
11	Add 0.5% Third Party Inspection Fees						



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(A Unit of Moodlakatte Nagarathna Bhujanga Shetty Trust (R.))

(Approved by AICTE, New Delhi & Affiliated to V.T.U., Belagavi)

Moodlakatte - 576 217, Kundapura Taluk, Udupi District, Karnataka

A WIDE
HORIZON OF
OPPORTUNITIES
Date: 16/11/2021

Ref.No.: MITK/CV/CW/2021-22/KRIDL/11/006

INSPECTION/ WORK COMPLETION REPORT

1	Name of the Department	KRIDL UDUPI
2.	Name of the Work/ Scheme	DEVELOPMENT WORK OF KANNALI ST COLONT ROAD AT AMPAR VILLAGE, BYNDURU CONSTITUENCY,UDUPI DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF ITDP GRANT
4	Estimate Cost	Rs. 10,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	39/2021-22 Dated:14.07.2021
7	Bill Amount	Rs. 10,00,000.00/-
8	Name of the Department Engineer present at site	
9.	Name of the inspecting consultants Engineer	Mr. PRASAD GAONKAR
10.	Date of commencement of the work	14/09/2021
11.	Date of Completion	23/10/2021
12.	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	06/10/2021, 08/11/2021
13.	Status of the Work	COMPLETED
14.	Details of Quality tests (at work site and at lab) carried out by consultants	Inspected the progress of the work, and carried out Material test. Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15.	Photographs of the works along with date of inspection on the photo	Attached
16.	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification Measurement were checked at random place & found to be correct. Shouldering is completed. Board has been installed water cement ratio used was 0.51 True Slump – 63 mm
17.	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ re-doing	No Suggestions, Work is done satisfactorily
18.	Opinion of the third party agency regarding measurement (HOD, Civil Department)	Measurement is taken along with Department Engineers and found to be correct (Rail Copy along with measurement sheets attached) (Inspection Engineer)

HOD, Civil Department

Inspection Engineer

Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

ಬೈಂದೂರು ವಿದಾನ ಸಭಾ ಕ್ಷೇತ್ರದ ವ್ಯಾಪ್ತಿಯ ಅಂಪಾರು ಗ್ರಾಮದ ಕನ್ನಾಲಿ ಪರಿಶಿಷ್ಟ ಪಂಗಡ ಕಾಲೋನಿಗೆ ಸಿ.ಸಿ ರಸ್ತೆ
ರಚನೆ(ಮುಂದುವರೆದ ಕಾಮಗಾರಿ)

Tech 39/2021-22Dtd: 14.07.2021.Rs. 10,00,000.00

- 1 Excavation for roadway in soil by mechanical means including cutting and pushing the earth to site of embankment upto a distance of 100 m, including trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections.

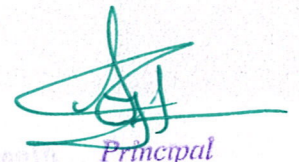
Road1	1 x	199.80	x	4.00 x	0.15	=	119.88
							119.88 Cum

- 2 Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.Grading II Material

0-25	1 x	25.00	$\frac{3.50 + 3.55}{2} \times$	0.075	=	6.61
25-50	1 x	25.00	$\frac{3.55 + 3.50}{2} \times$	0.075	=	6.61
50-75	1 x	25.00	$\frac{3.50 + 3.50}{2} \times$	0.075	=	6.56
75-100	1 x	25.00	$\frac{3.50 + 3.50}{2} \times$	0.075	=	6.56
100-125	1 x	25.00	$\frac{3.50 + 3.60}{2} \times$	0.075	=	6.66
0-11.50	1 x	11.50	$\frac{3.50 + 3.68}{2} \times$	0.075	=	3.10
125-150	1 x	25.00	$\frac{3.60 + 3.50}{2} \times$	0.075	=	6.66
150-175	1 x	25.00	$\frac{3.50 + 3.50}{2} \times$	0.075	=	6.56
175-187.80	1 x	12.80	$\frac{3.50 + 3.75}{2} \times$	0.075	=	3.48
						52.80 Cum

- 2 Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.(By Mechanical Means with 1km lead)

0-25	1 x	25.00	$\frac{3.50 + 3.55}{2} \times$	0.075	=	6.61
25-50	1 x	25.00	$\frac{3.55 + 3.50}{2} \times$	0.075	=	6.61
50-75	1 x	25.00	$\frac{3.50 + 3.50}{2} \times$	0.075	=	6.56
75-100	1 x	25.00	$\frac{3.50 + 3.50}{2} \times$	0.075	=	6.56


Principal

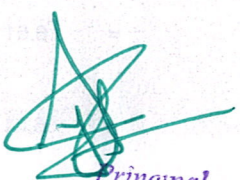
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Udupi Dist, Karnataka

			2			
100-125	1 x	25.00	$\frac{3.50 + 3.60}{2}$ x	0.075	=	6.66
0-11.50	1 x	11.50	$\frac{3.50 + 3.68}{2}$ x	0.075	=	3.10
125-150	1 x	25.00	$\frac{3.60 + 3.50}{2}$ x	0.075	=	6.66
150-175	1 x	25.00	$\frac{3.50 + 3.50}{2}$ x	0.075	=	6.56
175-187.80	1 x	12.80	$\frac{3.50 + 3.75}{2}$ x	0.075	=	3.48
						<u>52.80</u> Cum

2 Construction of un-reinforced, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383,

0-25	1 x	25.00	$\frac{3.50 + 3.55}{2}$ x	0.15	=	13.22
25-50	1 x	25.00	$\frac{3.55 + 3.50}{2}$ x	0.15	=	13.22
50-75	1 x	25.00	$\frac{3.50 + 3.50}{2}$ x	0.15	=	13.13
75-100	1 x	25.00	$\frac{3.50 + 3.50}{2}$ x	0.15	=	13.13
100-125	1 x	25.00	$\frac{3.50 + 3.60}{2}$ x	0.15	=	13.31
0-11.50	1 x	11.50	$\frac{3.50 + 3.68}{2}$ x	0.15	=	6.19
125-150	1 x	25.00	$\frac{3.60 + 3.50}{2}$ x	0.15	=	13.31
150-175	1 x	25.00	$\frac{3.50 + 3.50}{2}$ x	0.15	=	13.13
175-187.80	1 x	12.80	$\frac{3.50 + 3.75}{2}$ x	0.15	=	6.96
						<u>105.59</u> Cum

4 Construction of embankment with approved material obtained from borrow pits
Road 2 x 199.80 x 0.60 x 0.25 = 59.94 Cum


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$$108-114 \quad 1 \times \quad 6.00 \quad \frac{3.90 + 6.40}{2} \times \quad 0.15 \quad = \quad 4.64$$

213.47 Cum

- 2 Construction of un-reinforced, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383,

Road 1

$$0-6 \quad 1 \times \quad 6.00 \quad \frac{6.10 + 4.55}{2} \times \quad 0.15 \quad = \quad 4.79$$

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{4.55 + 3.80}{2} \times \quad 0.15 \quad = \quad 18.79$$

$$30-57 \quad 1 \times \quad 27.00 \quad \frac{3.80 + 3.80}{2} \times \quad 0.15 \quad = \quad 15.39$$

Road 2

$$0-4 \quad 1 \times \quad 4.00 \quad \frac{5.70 + 4.20}{2} \times \quad 0.15 \quad = \quad 2.97$$

$$0-25 \quad 1 \times \quad 25.00 \quad \frac{4.20 + 3.75}{2} \times \quad 0.15 \quad = \quad 14.91$$

Road 3

$$0-3.2 \quad 1 \times \quad 3.20 \quad \frac{6.60 + 3.75}{2} \times \quad 0.15 \quad = \quad 2.48$$

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$30-47 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

Road 4

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$30-60 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$60-81 \quad 1 \times \quad 21.00 \quad \frac{3.75 + 5.90}{2} \times \quad 0.15 \quad = \quad 15.20$$

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.80}{2} \times \quad 0.15 \quad = \quad 16.99$$

Road 5

$$30-60 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$60-90 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$90-108 \quad 1 \times \quad 28.00 \quad \frac{3.75 + 3.90}{2} \times \quad 0.15 \quad = \quad 16.07$$

$$108-114 \quad 1 \times \quad 6.00 \quad \frac{3.90 + 6.40}{2} \times \quad 0.15 \quad = \quad 4.64$$

213.47 Cum

4 Construction of embankment with approved material obtained from borrow pits

$$\text{Road} \quad 2 \times \quad 337.20 \quad \times \quad 0.60 \times \quad 0.30 \quad = \quad 121.39 \text{ Cum}$$



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(Approved by AICTE, New Delhi & Affiliated to V.T.U., Belagavi)

Moodlakatte - 576 217, Kundapura Taluk, Udupi District, Karnataka

Ref.No.: MITK/CV/CW/2021-22/KRIDL/01/002

Date: 03/01/2022

A WIDE
HORIZON
OF
OPPORTUNITIES

INSPECTION/ WORK COMPLETION REPORT

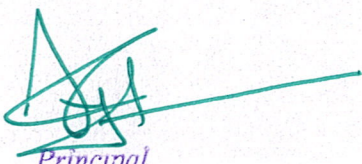
1	Name of the Department	KRIDL UDUPI
2	Name of the Work/ Scheme	CONSTRUCTION WORK OF BALJI GUDDE KORAGA SAMUDAYA BHAVANA AT MATAPADI VILLAGE, HANDADI G.P, UDUPI TALUK & DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF GRAMA VATSAVYAGRANT 2017-18
4	Estimate Cost	Rs. 20,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	240/2020-21 Dated: 21.01.2021
7	Bill Amount	Rs. 20,00,000.00/-
8	Name of the Department Engineer present at site	
9	Name of the inspecting consultants Engineer	Mr NITHIN D'SOUZA
10	Date of commencement of the work	20/04/2021
11	Date of Completion	15/12/2021
12	Date of the Inspection* (Date of Inspection 1 st , 2 nd , 3 rd visit)	05/08/2021, 29/12/2021
13	Status of the Work	COMPLETED
14	Details of Quality tests (at work site and at lab) carried out by consultants	Inspected the progress of the work, and carried out Material test. Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15	Photographs of the works along with date of inspection on the photo	Attached
16	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification Measurement were checked at random place & found to be correct. Shouldering is completed. Board has been installed water cement ratio used was 0.50 True Slump - 62 mm
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions, Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached)

(Prof. Prasanna Kumar)
Principal
HOD, Civil Department

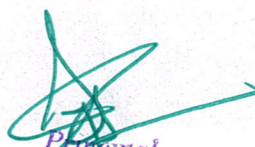
(Mr. Nithin D'Souza)
Inspection Engineer
Mr. Nithin D'Souza
(Inspection Engineer)

Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

ಕಾಮಗಾರಿಯ ಹೆಸರು : ಉಡುಪಿ ತಾಲೂಕು ಹಂದಾರಿ ಗ್ರಾಮ ಪಂಚಾಯತ್ ವ್ಯಾಪ್ತಿಯ ಮಟವಾಡಿ ಗ್ರಾಮ ಬಲ್ವಿಗುಡ್ಡೆ ಕೊರಗ ಕಾಲನಿಯಲ್ಲಿ ಸಮುದಾಯ ಭವನ ರಚನೆ							
Tech 240/2020-21 Date : 21-01-2020				ಅಂದಾಜು ಮೊತ್ತ ರೂ. 20.00 ಲಕ್ಷ			
ಯೋಜನೆ : 2017-18 ನೇ ಸಾಲಿನ ಗ್ರಾಮ ವಾಸ್ತವ್ಯ ಯೋಜನೆಯಡಿ ಮೂಲಭೂತ ಸೌಕರ್ಯ (ಐ.ಟಿ.ಡಿ.ಪಿ., ಉಡುಪಿ)							
Sl. No.	PARTICULARS	NO's	L	B	D	QTY.	UNIT
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specification. No. KBS 2.1(b)/2.3.5 (Page No. 6, Sl. No. 2.4) Measurement:						
	footing	8	1.75	1.75	1.80	44.10	
	wall	2	16.74	0.75	0.75	18.83	
		2	5.72	0.75	0.75	6.44	
	Steps	3	5.00	1.50	0.45	10.13	
	Toilet	2	2.50	0.75	0.75	2.81	
		1	3.60	0.75	0.75	2.03	
						84.33	
	Column Deduction	8	1.75	0.75	0.75	7.88	
						76.46	Cumt
2	Providing and filling in foundation with granite/trap broken metal 100mm and downsize ,with approved sand including hand packing,ramming,watering,including cost of all materials and labour with all lead and lift complete as per specifications. (Page No.7, Sl. No. 2.15).						
	footing	8	1.75	1.75	0.20	4.90	
						4.90	Cumt
3	KSRB 4.1-3 : Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layer not exceeding 15 cms. Thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No.13, Sl. No. 4.3).						
	footing	8	1.75	1.75	0.15	3.68	
	wall	2	16.74	0.75	0.15	3.77	
		2	5.72	0.75	0.15	1.29	
	Floor Bed	1	6.30	16.00	0.15	15.12	
	Toilet	1	2.15	3.60	0.15	1.16	
	Steps	1	5.00	1.50	0.15	1.13	
	Toilet	2	2.50	0.75	0.15	0.56	
		1	3.60	0.75	0.15	0.41	
						27.10	
	Column Deduction	8	1.75	0.75	0.15	1.58	
						25.53	Cumt


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4	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with super plasticisers @31ts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels, and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6					
	(Page No.14, Sl.No. 4.12)					
	footing	8	1.50	1.50	0.38	6.84
	plinth	6	5.10	0.23	0.375	2.64
		2	6.09	0.23	0.375	1.05
	Pedestrial	8	0.45	0.23	1.20	0.99
	Column	8	0.23	0.30	3.60	1.99
	beams	9	5.10	0.23	0.30	3.17
		4	6.09	0.23	0.30	1.68
	slab	1	17.67	7.60	0.150	20.14
						38.50 Cumt
5	KSRB 4-9.2: Providing T.M.T Steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping, and /or welding wherever required, tying with binding wire and anchoring to the adjoining membe` wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labou`, HOM of machinery complete as per specifications. Specification. No. KBS 4.6.3					
	(Page No.18, Sl. No.4.46)					
	footing					86.24
	plinth					434.17
	column					561.28
	beams					1363.34
	slab					1188.81
						3633.84 KGS
						3.634 ton
6	KSRB 4-6.1 : Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2					
	(Page No. 16, Sl. No.4.28)					
	footing	8	6.00		0.38	18.24
						18.24 sqm
7	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillar, pier, abutments, post and struts, square/ rectangular/ polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2					
	(Page No. 16, Sl. No.4.32)					
	column	8	1.06		4.80	40.70
						40.70 sqm
8	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2					
	(Page No. 17, Sl. No.4.35)					


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	plinth	6	5.10		0.750	22.95	
		2	6.09		0.750	9.14	
	beams	6	5.10		0.83	25.40	
		4	6.09		0.83	20.22	
						77.70	Sqmt
9	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2						
	(Page No. 16, Sl. No.4.30)						
	slab	1	17.67	7.60		134.29	
						134.29	Sqmt
10	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping & removal of form work etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2						
	(Page No. 16, Sl. No.4.30)						
		2	17.67	0.125		4.42	
		2	7.60	0.125		1.90	
						6.32	Sqmt
11	KSRB 5.2 : Providing and constructing granite I trap I basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 ems high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 KSRB 5.2-3 : do- - cement mortar 1:6 KBS 5.1.13						
	(Page No. 25, Sl. No. 5.6)						
	wall	2	16.59	0.60	0.60	11.94	
		2	5.87	0.60	0.60	4.23	
	Toilet	2	2.50	0.60	0.60	1.80	
		1	3.60	0.60	0.60	1.30	
						19.27	cumt
12	KSRB 5.3-3 : Providing and constructing granite/ trap/ basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each cou'e including cost of materials, labour, curing complete as per specifications. KBS 5.1.13						
	(Page No. 25, Sl. No. 5.9)						
	wall	2	16.44	0.45	0.75	11.10	
		2	6.02	0.45	0.75	4.06	
	Toilet	2	2.50	0.60	0.60	1.80	
		1	3.60	0.60	0.60	1.30	
	Steps	3	5.00	1.50	0.15	3.38	
						21.63	cumt
13	KSRB 2.5 : Earthwork excavation (in deposited soil) and filling sides of foundation upto plinth in laye` not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead and upto 50m. and lift upto 1.5m. including cost of all labour complete as per specifications. Specification No. KBS 2.9.9/ 2.9.10.1/ 2.1.1						
	(page no 7 sino 2.12)						
		1	16.00	6.23	1.500	149.52	
	Stage	1	6.40	1.50	0.600	5.76	
	Toilet	1	2.50	3.60	0.600	5.40	
						160.68	cum

14	Providing and construction laterite size stone masonry including cost and conveyance of all materials curing etc., complete as per specification For super structure in C.M 1:6 (Cement 45kgs/M3)					
	(Page No.384, Sl. No. 42.5.3)					
		2	16.22	0.23	3.60	26.86
		2	6.24	0.23	3.60	10.33
	Steps	3	5.00	0.23	0.30	1.04
	toilet	3	2.15	0.23	2.10	3.12
		1	3.60	0.23	2.10	1.74
						43.08 cum
	deduct openings					
	D	1	2.50	0.23	2.10	1.21
	D1	2	0.75	0.23	2.10	0.72
	W	6	1.90	0.23	1.30	3.41
	W1	2	0.90	0.23	1.30	0.54
	Column	8	0.23	0.30	3.60	1.99
	Beam	9	5.10	0.23	0.30	3.17
		4	3.00	0.23	0.30	0.83
						11.86
						31.22 cum
15	KSRB 5-14: 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 4.00 N/mm2 confirming to IS 2185 (Part 1)2005 and constructed with CM 1 A, as per IS 25722005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4					
	(Page No.27, Sl. No.5.26.1)					
	Parapet Wall Front side	1	7.60		1.00	7.60
	Parapet Wall All around	1	42.94		0.20	8.59
						16.19 Sqm
16	KSRB15-3 : Providing 12mm thick cement plaster in single coat with cement mortar, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification					
	(Page No. 116, Sl. No. 15.21)					
		6	3.00		5.10	91.80
		1	39.14		0.45	17.61
		1	6.70		1.00	6.70
						116.11 Sqmt
17	KSRB 15-3.10: Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per					
	(Page No. 116, Sl. No. 15.18)					
	inside					
	Wall	2	16.22		3.60	116.78
		2	6.24		3.60	44.93
	beam	4	3.00		0.83	9.96
		1	15.76		0.83	13.08
	TOILET	4	2.15		2.10	18.06
		2	3.60		2.10	15.12
						217.93
	deduct openings					
	D	1	2.50		2.25	5.63
	D1	2	0.75		2.10	3.15
	W	6	1.90		1.30	14.82
	W1	2	0.90		1.30	2.34
						25.94
						192.00 Sqmt
18	KSRB 15-3.10: Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications					

	(Page No. 116, Sl. No. 15.18)						
	outside						
	Wall	2	16.22		3.60	116.78	
		2	6.70		3.60	48.24	
	TOILET	2	2.15		2.70	11.61	
		1	3.60		2.70	9.72	
	Parapet	1	7.60		2.20	16.72	
	Parapet	1	42.94		0.60	25.76	
						228.84	Sqmt
19	Providing flooring with 60 cms x 60 cms size Vitrified glazed tiles of approved quality & make, fixed on top of existing flooring fixed with suitable adhesive, including cutting the tiles to the required size and fixing etc., complete.						
	(Page No. 109 , Sl. No. 14.44)						
	floor	1	16.00	6.40		102.40	
	Skirting	1	44.80	0.10		4.48	
	Steps	3	3.00	0.45		4.05	
						110.93	sqm
20	Providing Ceramic tiles of approved make and shade for flooring laid on a bed of 12mm thick,cement mortar 1:3 mix,flush pointing with white cement using colour pigment,including cost of materials,labour,curing complete as per specifications.- (Item No 14.36.2 30X30 cms of SR 2018-19)						
	TOILET	2	2.10	1.80		7.56	
						7.56	sqm
21	Providing skirting, Daddoing, risers, of steps with glazed tiles 6mm thick on 10mm thick cement plaster 1: 3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using ceramic tiles of approved make and size including cost of materials,labour complete as per specifications. -Item No 14.41.3 colour glazed tile 30X45 cms of page no 106 of SR 2018-19						
	TOILET	2	6.00	1.50		18.00	
						18.00	sqm



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Moodlakatte - 576 217, Kundapura Taluk, Udupi District, Karnataka



Ref.No.: MITK/CV/CW/2021-22/KRIDL/01/008

Date: 17/01/2022

INSPECTION/ WORK COMPLETION REPORT

1	Name of the Department	KRIDL UDUPI
2.	Name of the Work/ Scheme	CONCRETING WORK OF KELA KARJE MADHAVA NAIK HOUSE ROAD AT KARJE G.P, UDUPI DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF ITDP GRANT 2018-19
4	Estimate Cost	Rs. 25,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	12/2021-22 Dtd: 27.04.2021.
7	Bill Amount	Rs. 25,00,000.00/-
8	Name of the Department Engineer present at site	
9.	Name of the inspecting consultants Engineer	Mr. NITHIN D'SOUZA
10.	Date of commencement of the work	01/10/2021
11.	Date of Completion	22/11/2021
12.	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	28/10/2021, 19/11/2021, 27/12/2021
13.	Status of the Work	COMPLETED
14.	Details of Quality tests (at work site and at lab) carried out by consultants	Inspected the progress of the work, and carried out Material test. Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15.	Photographs of the works along with date of inspection on the photo	Attached
16.	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification Measurement were checked at random place & found to be correct. Shouldering is completed. Board has been installed water cement ratio used was 0.46 True Slump - 60 mm
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions, Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached)

(Prof. Prasanna Kumar)

HOD, Civil Department

(Mr. Nithin D'Souza)

Inspection Engineer

Moodlakatte Institute of Technology

Moodlakatte, Kundapura - 576217

Udupi Dist, Karnataka

ಕಾರ್ಮಿಕರಾದ ಹೆಸರು: ಕರ್ಜಿ ಗ್ರಾಮ ಪಂಚಾಯತ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಕರ್ಜಿ ಮಾಧವ ನಾಯ್ಕನ ಮನೆಗೆ ಹೋಗುವ ರಸ್ತೆ
ಕಾಂಕ್ರೀಟೀಕರಣ

Tech 12/2021-22 Dtd: 27.04.2021.

ಅಂದಾಜು ಮೊತ್ತ: ರೂ. 25.00 ಲಕ್ಷ

Scheme: ಯೋಜನೆ: 2018-19ನೇ ಸಾಲಿನ ಪರಿಶಿಷ್ಟ ಪಂಗಡದ ಅಭಿವೃದ್ಧಿ (ಐ.ಟಿ.ಡಿ.ಪಿ., ಉಡುಪಿ)

Sl. No.	Items of work	No	L	B	D/H	Qty	Unit	Rate/ Unit	Amount
1	2	3	4	5	6	7	8	9	10
1	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 1.00km and complete as per specifications. MORTH Specification No.301 (PWD SR 2018-19, Page 143 , Item No.19.14)								
		1 x	446.30	x	5.00	x	0.30	=	669.45 cum
	DRAIN	1 x	446.30	x	0.60	x	0.60	=	160.67 cum
								=	<u>830.12 cum</u>

Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the (PRED SR 2018-19, Page 41 , Item No.4.1(ii))

ROAD-1

0 - 30	1 x	30.00	(	3.95	+	3.95	)	0.075	=	8.89
30 - 60	1 x	30.00	(	3.95	+	3.95	)	0.075	=	8.89
60 - 90	1 x	30.00	(	3.95	+	3.95	)	0.075	=	8.89
90 - 120	1 x	30.00	(	3.95	+	3.95	)	0.075	=	8.89
120 - 150	1 x	30.00	(	3.95	+	3.95	)	0.075	=	8.89
150 - 180	1 x	30.00	(	3.95	+	4.00	)	0.075	=	8.94
180 - 210	1 x	30.00	(	4.00	+	3.95	)	0.075	=	8.94
210 - 240	1 x	30.00	(	3.95	+	3.95	)	0.075	=	8.89
240 - 270	1 x	30.00	(	3.95	+	3.95	)	0.075	=	8.89
270 - 292	1 x	22.00	(	3.95	+	4.00	)	0.075	=	6.56

ROAD-2

0 - 6	1 x	6.00	(	6.20	+	4.10	)	0.075	=	2.32
0 - 30	1 x	30.00	(	3.95	+	3.95	)	0.075	=	8.89
30 - 60	1 x	30.00	(	3.95	+	3.60	)	0.075	=	8.49

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60 - 94.3	1 x	34.30 (	3.60 + 2	3.60)	0.075	=	9.26
ROAD-3							
0 - 6	1 x	6.00 (	6.00 + 2	4.10)	0.075	=	2.27
0 - 30	1 x	30.00 (	3.95 + 2	3.95)	0.075	=	8.89
30 - 48	1 x	18.00 (	3.95 + 2	3.95)	0.075	=	5.33

132.11 CUM

3 KSRRB M400- **Wet Mix Macadam** KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam

(PWD SR 2018-19, Page 155 , Item No.20.18)

ROAD-1

0 - 30	1 x	30.00 (	3.95 + 2	3.95)	0.075	=	8.89
30 - 60	1 x	30.00 (	3.95 + 2	3.95)	0.075	=	8.89
60 - 90	1 x	30.00 (	3.95 + 2	3.95)	0.075	=	8.89
90 - 120	1 x	30.00 (	3.95 + 2	3.95)	0.075	=	8.89
120 - 150	1 x	30.00 (	3.95 + 2	3.95)	0.075	=	8.89
150 - 180	1 x	30.00 (	3.95 + 2	4.00)	0.075	=	8.94
180 - 210	1 x	30.00 (	4.00 + 2	3.95)	0.075	=	8.94
210 - 240	1 x	30.00 (	3.95 + 2	3.95)	0.075	=	8.89
240 - 270	1 x	30.00 (	3.95 + 2	3.95)	0.075	=	8.89
270 - 292	1 x	22.00 (	3.95 + 2	4.00)	0.075	=	6.56

ROAD-2

0 - 6	1 x	6.00 (	6.20 + 2	4.10)	0.075	=	2.32
0 - 30	1 x	30.00 (	3.95 + 2	3.95)	0.075	=	8.89
30 - 60	1 x	30.00 (	3.95 + 2	3.60)	0.075	=	8.49
60 - 94.3	1 x	34.30 (	3.60 + 2	3.60)	0.075	=	9.26

ROAD-3

0 - 6	1 x	6.00 (	6.00 + 2	4.10)	0.075	=	2.27
0 - 30	1 x	30.00 (	3.95 + 2	3.95)	0.075	=	8.89
30 - 48	1 x	18.00 (	3.95 + 2	3.95)	0.075	=	5.33

- 4 Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M30 ,

(PWD SR 2018-19, Page 176 , Item No.22.6.1)

ROAD-1

0 - 30	1 x	30.00	(3.75 + 3.75)	0.150	=	16.88
30 - 60	1 x	30.00	(3.75 + 3.75)	0.150	=	16.88
60 - 90	1 x	30.00	(3.75 + 3.75)	0.150	=	16.88
90 - 120	1 x	30.00	(3.75 + 3.75)	0.150	=	16.88
120 - 150	1 x	30.00	(3.75 + 3.75)	0.150	=	16.88
150 - 180	1 x	30.00	(3.75 + 3.80)	0.150	=	16.99
180 - 210	1 x	30.00	(3.80 + 3.75)	0.150	=	16.99
210 - 240	1 x	30.00	(3.75 + 3.75)	0.150	=	16.88
240 - 270	1 x	30.00	(3.75 + 3.75)	0.150	=	16.88
270 - 292	1 x	22.00	(3.75 + 3.80)	0.150	=	12.46

ROAD-2

0 - 6	1 x	6.00	(6.00 + 3.90)	0.150	=	4.46
0 - 30	1 x	30.00	(3.75 + 3.75)	0.150	=	16.88
30 - 60	1 x	30.00	(3.75 + 3.40)	0.150	=	16.09
60 - 94.3	1 x	34.30	(3.40 + 3.40)	0.150	=	17.49

ROAD-3

0 - 6	1 x	6.00	(5.80 + 3.90)	0.150	=	4.37
0 - 30	1 x	30.00	(3.75 + 3.75)	0.150	=	16.88
30 - 48	1 x	18.00	(3.75 + 3.75)	0.150	=	10.13

250.83 CUM

- 5 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 compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305

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$$1 \times 446.30 \times 0.75 \times 0.30 = \frac{100.42}{\underline{\underline{100.42 \text{ cum}}}}$$

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 compaction by vibratory roller to 95% of proctor density (MORTH Specification No. 305-2002) for sub-grade and earthen shoulders. KSRRB M300-25



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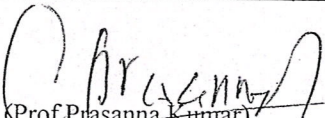
Ref.No.: MITK/CV/CW/2021-22/KRIDL/01/009

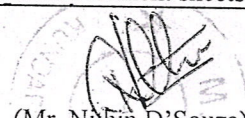


Date: 17/01/2022

INSPECTION/ WORK COMPLETION REPORT

1	Name of the Department	KRIDL UDUPI
2.	Name of the Work/ Scheme	CONCRETING WORK OF KELA CHAPALA JEDDU ST COLONY AT KENJURU VILLAGE 38 KALATHURU G.P, UDUPI DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF ITDP GRANT-2018-19
4	Estimate Cost	Rs. 40,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	252/2020-21 Dtd: 23-02-2021
7	Bill Amount	Rs .40,00,000.00/-
8	Name of the Department Engineer present at site	
9.	Name of the inspecting consultants Engineer	Mr. NITHIN D'SOUZA
10.	Date of commencement of the work	31/08/2021
11.	Date of Completion	08/10/2021
12.	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	06/09/2021, 05/10/2021, 27/12/2021
13.	Status of the Work	COMPLETED
14.	Details of Quality tests (at work site and at lab)carried out by consultants	Inspected the progress of the work, and carried out Material test. Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15.	Photographs of the works along with date of inspection on the photo	Attached
16.	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification Measurement were checked at random place & found to be correct. Shouldering is completed. Board has been installed water cement ratio used was 0.48 True Slump – 64 mm
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions , Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached)


(Prof. Prasanna Kumar)
HOD, Civil Department


(Mr. Nithin D'Souza)
Inspection Engineer


Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

ಕಾಮಗಾರಿಯ ಹೆಸರು: 38 ನೇ ಕಳ್ಳೂರು ಗ್ರಾಮ ಪಂಚಾಯತ್ ವ್ಯಾಪ್ತಿಯ ಕೆಂಜೂರು ಗ್ರಾಮದ ಕೆಳಚಾಪಳ ಜೆಡ್ಡು ಪರಿಶಿಷ್ಟ ಪಂಗಡ ರಸ್ತೆ ಕಾಂಕ್ರೀಟೀಕರಣ

Tech 252/2020-21 Dtd: 23-02-2021

ಅಂದಾಜು ಮೊತ್ತ: ರೂ. 40.00 ಲಕ್ಷ

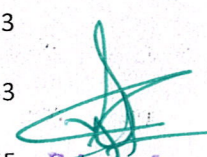
Scheme: ಯೋಜನೆ: 2018-19ನೇ ಸಾಲಿನ ಪರಿಶಿಷ್ಟ ಪಂಗಡದ ಅಭಿವೃದ್ಧಿ (ಎ.ಟಿ.ಡಿ.ಪಿ., ಉಡುಪಿ)

Sl. No.	Items of work	No	L	B	D/H	Qty	Unit	Rate/Unit	Amount
1	2	3	4	5	6	7	8	9	10
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 1.00km and complete as per specifications. MORTH Specification No.301 (PWD SR 2018-19, Page 143 , Item No.19.14)								
		1 x	759.00	x	5.00	x	0.20	=	759.00 cum
								=	<u>759.00 cum</u>

3 Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the (PRED SR 2018-19, Page 41 , Item No.4.1(ii))

ROAD-1

0 - 6	1 x	6.00	(	6.00	+	4.20	)	0.075	=	2.30
				2						
6 - 30	1 x	24.00	(	4.20	+	3.83	)	0.075	=	7.23
				2						
30 - 60	1 x	30.00	(	3.70	+	3.70	)	0.075	=	8.33
				2						
60 - 90	1 x	30.00	(	3.70	+	3.65	)	0.075	=	8.27
				2						
90 - 120	1 x	30.00	(	3.65	+	3.65	)	0.075	=	8.21
				2						
120 - 150	1 x	30.00	(	3.65	+	3.65	)	0.075	=	8.21
				2						
150 - 180	1 x	30.00	(	3.65	+	3.70	)	0.075	=	8.27
				2						
180 - 210	1 x	30.00	(	3.70	+	3.70	)	0.075	=	8.33
				2						
210 - 240	1 x	30.00	(	3.70	+	3.65	)	0.075	=	8.27
				2						
240 - 270	1 x	30.00	(	3.65	+	3.55	)	0.075	=	8.10
				2						
270 - 300	1 x	30.00	(	3.55	+	3.75	)	0.075	=	8.21
				2						
300 - 330	1 x	30.00	(	3.75	+	3.70	)	0.075	=	8.38
				2						
330 - 360	1 x	30.00	(	3.70	+	3.70	)	0.075	=	8.33
				2						
360 - 390	1 x	30.00	(	3.70	+	3.70	)	0.075	=	8.33
				2						
390 - 410	1 x	20.00	(	3.70	+	3.70	)	0.075	=	5.55
				2						
410 - 440	1 x	30.00	(	3.70	+	3.80	)	0.075	=	8.44
				2						
440 - 470	1 x	30.00	(	3.80	+	3.70	)	0.075	=	8.44


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470 - 500	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
500 - 530	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
530 - 560	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
560 - 588	1 x	28.00	(3.70 + 3.70)	0.075	=	7.77
ROAD-2						
0 - 6	1 x	6.00	(6.70 + 3.50)	0.075	=	2.30
0 - 30	1 x	30.00	(3.50 + 3.50)	0.075	=	7.88
30 - 40	1 x	10.00	(3.50 + 3.50)	0.075	=	2.63
ROAD-3						
0 - 6	1 x	6.00	(8.90 + 3.80)	0.075	=	2.86
0 - 30	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
30 - 60	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
60 - 90	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
90 - 119	1 x	29.00	(3.70 + 3.70)	0.075	=	8.05

212.59 CUM

- 4 KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam (PWD SR 2018-19, Page 155 , Item No.20.18)

ROAD-1						
0 - 6	1 x	6.00	(6.00 + 4.20)	0.075	=	2.30
6 - 30	1 x	24.00	(4.20 + 3.83)	0.075	=	7.23
30 - 60	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
60 - 90	1 x	30.00	(3.70 + 3.65)	0.075	=	8.27
90 - 120	1 x	30.00	(3.65 + 3.65)	0.075	=	8.21
120 - 150	1 x	30.00	(3.65 + 3.65)	0.075	=	8.21
150 - 180	1 x	30.00	(3.65 + 3.70)	0.075	=	8.27
180 - 210	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
210 - 240	1 x	30.00	(3.70 + 3.65)	0.075	=	8.27
240 - 270	1 x	30.00	(3.65 + 3.55)	0.075	=	8.10
270 - 300	1 x	30.00	(3.55 + 3.75)	0.075	=	8.21
300 - 330	1 x	30.00	(3.75 + 3.70)	0.075	=	8.38
330 - 360	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33

360 - 390	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
390 - 410	1 x	20.00	(3.70 + 3.70)	0.075	=	5.55
410 - 440	1 x	30.00	(3.70 + 3.80)	0.075	=	8.44
440 - 470	1 x	30.00	(3.80 + 3.70)	0.075	=	8.44
470 - 500	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
500 - 530	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
530 - 560	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
560 - 588	1 x	28.00	(3.70 + 3.70)	0.075	=	7.77
ROAD-2						
0 - 6	1 x	6.00	(6.70 + 3.50)	0.075	=	2.30
0 - 30	1 x	30.00	(3.50 + 3.50)	0.075	=	7.88
30 - 40	1 x	10.00	(3.50 + 3.50)	0.075	=	2.63
ROAD-3						
0 - 6	1 x	6.00	(8.90 + 3.80)	0.075	=	2.86
0 - 30	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
30 - 60	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
60 - 90	1 x	30.00	(3.70 + 3.70)	0.075	=	8.33
90 - 119	1 x	29.00	(3.70 + 3.70)	0.075	=	8.05
						212.59 CUM

- 5 Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M30,

(PWD SR 2018-19, Page 176, Item No.22.6.1)

ROAD-1

0 - 6	1 x	6.00	(5.80 + 4.00)	0.150	=	4.41
6 - 30	1 x	24.00	(4.00 + 3.63)	0.150	=	13.73
30 - 60	1 x	30.00	(3.50 + 3.50)	0.150	=	15.75
60 - 90	1 x	30.00	(3.50 + 3.45)	0.150	=	15.64
90 - 120	1 x	30.00	(3.45 + 3.45)	0.150	=	15.53
120 - 150	1 x	30.00	(3.45 + 3.45)	0.150	=	15.53
150 - 180	1 x	30.00	(3.45 + 3.50)	0.150	=	15.64
180 - 210	1 x	30.00	(3.50 + 3.50)	0.150	=	15.75

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					4				
210 - 240	1 x	30.00	(3.50 +	3.45)	0.150	=	15.64		
			2						
240 - 270	1 x	30.00	(3.45 +	3.35)	0.150	=	15.30		
			2						
270 - 300	1 x	30.00	(3.35 +	3.55)	0.150	=	15.53		
			2						
300 - 330	1 x	30.00	(3.55 +	3.50)	0.150	=	15.86		
			2						
330 - 360	1 x	30.00	(3.50 +	3.50)	0.150	=	15.75		
			2						
360 - 390	1 x	30.00	(3.50 +	3.50)	0.150	=	15.75		
			2						
390 - 410	1 x	20.00	(3.50 +	3.50)	0.150	=	10.50		
			2						
410 - 440	1 x	30.00	(3.50 +	3.60)	0.150	=	15.98		
			2						
440 - 470	1 x	30.00	(3.60 +	3.50)	0.150	=	15.98		
			2						
470 - 500	1 x	30.00	(3.50 +	3.50)	0.150	=	15.75		
			2						
500 - 530	1 x	30.00	(3.50 +	3.50)	0.150	=	15.75		
			2						
530 - 560	1 x	30.00	(3.50 +	3.50)	0.150	=	15.75		
			2						
560 - 588	1 x	28.00	(3.50 +	3.50)	0.150	=	14.70		
			2						
ROAD-2									
0 - 6	1 x	6.00	(6.50 +	3.30)	0.150	=	4.41		
			2						
0 - 30	1 x	30.00	(3.30 +	3.30)	0.150	=	14.85		
			2						
30 - 40	1 x	10.00	(3.30 +	3.30)	0.150	=	4.95		
			2						
ROAD-3									
0 - 6	1 x	6.00	(8.70 +	3.60)	0.150	=	5.54		
			2						
0 - 30	1 x	30.00	(3.50 +	3.50)	0.150	=	15.75		
			2						
30 - 60	1 x	30.00	(3.50 +	3.50)	0.150	=	15.75		
			2						
60 - 90	1 x	30.00	(3.50 +	3.50)	0.150	=	15.75		
			2						
90 - 119	1 x	29.00	(3.50 +	3.50)	0.150	=	15.23		
			2						
							402.41 CUM		

- 6 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 compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305 (PWD SR 2018-19, Page No.147 Item No.19.62)

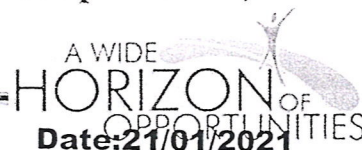
$$1 \times 759.00 \times 0.75 \times 0.30 = \frac{170.78}{170.78 \text{ cum}}$$

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Moodlakatte - 576 217, Kundapura Taluk, Udupi District, Karnataka



Ref.No.: MITK/CV/CW/2021-22/KRIDL/01/011

Date: 21/01/2021

INSPECTION/ WORK COMPLETION REPORT

1	Name of the Department	KRIDL UDUPI
2.	Name of the Work/ Scheme	DRINKING WATER SUPPLY FOR BEDRAKATTE KORAGA COLONY AT SHANKARANARAYANA G.P, UDUPI DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF ITDP GRANT
4	Estimate Cost	Rs. 27,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	705/2019-20 Dated: 27.03.2020
7	Bill Amount	Rs. 27,00,000.00/-
8	Name of the Department Engineer present at site	
9.	Name of the inspecting consultants Engineer	Mr. PRASAD GAONKAR
10.	Date of commencement of the work	18/04/2021
11.	Date of Completion	16/12/2021
12.	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	16/08/2021, 04/01/2022
13.	Status of the Work	COMPLETED
14.	Details of Quality tests (at work site and at lab) carried out by consultants	Inspected the progress of the work, and carried out Material test. Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15.	Photographs of the works along with date of inspection on the photo	Attached
16.	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification Measurement were checked at random place & found to be correct. Board has been installed water cement ratio used was 0.48 True Slump – 60 mm
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions, Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached)

Prof. Prasanna Kumar
(HOD, Civil Department)

Mr. Prasad Gaonkar
(Inspection Engineer)

Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

ಶಂಕರನಾರಾಯಣ ಗ್ರಾಮ ಪಂಚಾಯತ್ ವ್ಯಾಪ್ತಿಯ ಬೆದ್ರಕಟ್ಟೆ ಕೊರಗರ ಕಾಲನಿಗೆ ಕುಡಿಯುವ ನೀರಿನ ಸೌಲಭ್ಯ

Tech 705/2019-20 Dtd- 27-03-2020Rs-27,00,000.00

A RCC OPENWELL

- 1 KSRB 2-1.2: Earthwork in surface excavation in hard soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (A) / 2.3.1

(PWD SR Page No. 6, Sl.No. 2.2)

Basic Rate 348.00

(+) 10% Area Weightage 34.80

382.80

1 10.00 10.00 0.50 50.00 Cumt

- 2 Earth work Excavation in hard murrum, boulders, hard katak including shoring, strutting barricading, danger lighting, bailing out water wherever necessary with stacking the materials as directed up to a lead of 50m and lift up to 1.50m. (RWS SR 2019-20 Item No.11.14 Page 98)

0.00 to 1.50 mtrs 1 3.142 $\frac{(4.50)^2}{4}$ 1.50 23.86 Cumt

Basic rate 23.86

1.50to 3.00 mtrs 1 3.142 $\frac{(4.50)^2}{4}$ 1.50 23.86 Cumt

Basic rate 420.00

lift charges 87.00

507.00 mtrs 23.86 Cumt

3.00 to 4.50 mtrs 1 3.142 $\frac{(4.50)^2}{4}$ 1.50 23.86 Cumt

Basic rate 507.00

lift charges 87.00

594.00 mtrs 23.86 Cumt

4.50 to 6.00 mtrs 1 3.142 $\frac{(4.50)^2}{4}$ 1.50 23.86 Cumt

Basic rate 594.00

lift charges 87.00

681.00 mtrs 23.86 Cumt

6.00to 7.50 mtrs 1 3.142 $\frac{(4.50)^2}{4}$ 1.50 23.86 Cumt

Basic rate 681.00

lift charges 87.00

768.00 mtrs 23.86 Cumt

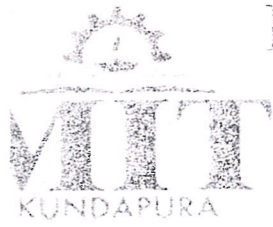
7.50 to 9.00 mtrs 1 3.142 $\frac{(4.50)^2}{4}$ 1.50 23.86 Cumt

			4			
	Basic rate	768.00				
	lift charges	87.00				
		855.00	mtrs		23.86	Cumt
9.00 to 10.50mtrs	1	3.142	$(4.50)^2$	1.50	23.86	Cumt
			4			
	Basic rate	855.00				
	lift charges	87.00				
		942.00	mtrs		23.86	Cumt
3 Earthwork excavation in soft rock including shoring, strutting, barricading, danger lighting, bailing out water wherever necessary with stacking the materials as directed upto a lead of 50 Mtr and lift of 1.5 Mtr etc., complete(RWS SR 2019-20 Item No.11.15.2 Page 98)						
10.50to12.00 mtrs	1	3.142	$(4.50)^2$	1.50	23.86	Cumt
			4			
	Basic rate	939.00				
	lift charges	174.00				
		1113.00			23.86	Cumt
4 Providing and laying vibrated cement concrete of design mix M 25 proportion with cement @ 340kgs, with 20mm and down size graded granite or trap or basalt jelly metal course aggregates @0.70cum and fine aggregates @ 0.460 cum, with super plasticisers @3liters conforming to IS 9103-1999 reaffirmed-2008, machine mixed concrete laid in layers not exceeding 15cms thick, vibrated for all works, including shoring,shuttering,form work, bailing out water, mixing with machine mixer, laying, vibrating, curing, with all lead and lifts etc., complete as per specification for well curb or RCC cutting edge only (RWS SR 2019-20 Item No 11.04 , Page No 96)						
kerb						
	1	3.142	3.80	0.60	0.20	1.43
	1	3.142	3.80	0.60	$(0.40+0)/2$	1.43
						2.87
						Cumt
5 RCC steining : Providing and laying vibrated cement concrete of design mix M 25 proportion with cement @ 340kgs, with 20mm and down size graded granite or trap or basalt jelly metal course aggregates @0.70cum and fine aggregates @ 0.460 cum, with super plasticisers @3liters conforming to IS 9103-1999 reaffirmed-2008, machine mixed concrete laid in layers not exceeding 15cms thick, vibrated for all works, including shoring,shuttering,form work, bailing out water, mixing with machine mixer, laying, vibrating, curing, with all lead and lifts etc., complete as per specification for well steining (RWS SR 2019-20 Item No 11.06 , Page No 96)						
	1	3.142	3.60	0.15	11.60	19.68
Pillar	2	0.20	0.20	1.00	0.08	
					19.76	Cumt
6 Providing and fabricating TMT (tor steel) reinforcement confirming to IS 226/1786 of 1966 with latest amendments including cleaning, straightening, cutting, bending, hooking, lapping or welding wherever required, hoisting and placing in position and tieng with binding wire of approved quality 16 gauge as per design & drawing including cost of materials & labour etc., complete as per specification (RWS SR 2019-20 Item No 4.59 , Page No 44)						

	For Curb	2.87	70.00	kg/Cu m	200.90	kg	
	For Steining	45	11.30	0.62	315.27	kg	
		30	14.50	0.62	18.60	kg	
	Pillar	8	1.20	0.62	5.95	kg	
					540.72	kg	
					0.540722	Ton	
7	Sinking Circular Wells as per approved design in all kinds of soils excluding hard rock requiring blasting including making and removing islands, ring bunds or coffer dams as may be necessary and maintaining the same during operation, pumping dewatering, application of kentledge or other means for around seating of wells, removal borders, buried timbers as directed with necessary shoring and strutting as per specifications etc. complete. (RWS SR 2019-20 Item No 11.10.1, Page No 97 Dia of Well -3.00 Mtr)						
	3.00 to 6.00m					3.00	mtrs
	6.00 to 9.00m					3.00	mtrs
	9.00 to 12.00m					3.00	mtrs
8	Providing and filling with boulders or rubble of approved size and quality, including hand packing, wedging, filling in voids with quarry spalls and clean sand etc., complete with all lead and lifts, etc., complete (RWS SR 2019-20 Item No 11.22, Page No 99)						
		3.142	3.60	0.45	9.00	45.81	Cumt
9	Providing and laying granite or trap or basalt jelly vibrated cement concrete M-15 proportion using 20 mm and down size jelly including machine mixing, laying, vibrating, tampering, curing and smooth finished for exposed faces with CM 1:3 by mixing 1 kg. of water proof compound for every one bag of cement for top plaster finish and with necessary centering, form work, etc. complete for flooring of G.L.S.R. cills, coping bond slab and for any other such work.						
	R.W.S.P.R.E.SR2011-12 page19 i2.7						
	Basic Rate						
	(+) 10% Area Weightage						
		3.142	3.60	1.50	0.10	1.70	
						1.70	Cumt
10	OHT -Sub Estimate Enclosed						
10	Raising main -Sub Estimate Enclosed						
11	Procurement of Pump set- Sub Estimate Enclosed						
12	Pipeine -Sub Estimate Enclosed						
14	Shifting of poles Sub Estimate Enclosed						



Principal
Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka



Moodlakatte Institute of Technology

(A Unit of Moodlakatte Nagarathna Bhujanga Shetty Trust (R.))

(Approved by AICTE, New Delhi & Affiliated to V.T.U., Belagavi)

Moodlakatte - 576 217, Kundapura Taluk, Udupi District, Karnataka

A WIDE
HORIZON OF
OPPORTUNITIES

Ref.No.: MITK/CV/CW/2021-22/KRIDL/02/014

Date: 23/02/2022

INSPECTION/ WORK COMPLETION REPORT

1	Name of the Department	KRIDL UDUPI
2	Name of the Work/ Scheme	DEVELOPMENT WORK OF ROAD AT KAPPEKERE SC RESIDENTIAL AREA BELANJE VILLAGE, KARKALA, UDUPI DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF SOCIAL WELFARE GRANT
4	Estimate Cost	Rs. 20,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	Tech 230/2020/21
7	Bill Amount	Rs. 20,00,000.00/-
8	Name of the Department Engineer present at site	
9	Name of the inspecting consultants Engineer	Mr. NITHIN D'SOUZA
10	Date of commencement of the work	23/01/2022
11	Date of Completion	22/02/2022
12	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	26/01/2022, 23/02/2022
13	Status of the Work	COMPLETED
14	Details of Quality tests (at work site and at lab) carried out by consultants	Inspected the progress of the work, and carried out Material test. Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15	Photographs of the works along with date of inspection on the photo	Attached
16	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification. Measurement were checked at random place & found to be correct. Shouldering is completed. Board has been installed. water cement ratio used was 0.49 True Slump - 62 mm
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions, Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached)

(Prof. Prasanna Kumar)

HOD, Civil Department

(Mr. Nithin D'Souza)

Inspection Engineer

Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

Tech 230/2020-21Dtd: 01.12.2020.Rs.20,00,000.00

Road and pipe culvert

- 1 Excavation for roadway in soil by mechanical means including cutting and pushing the earth to site of embankment upto a distance of 100 m, including trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections.

Road1	1 x	337.20	x	4.20 x	0.20	=	283.25 CUM
							283.25 CUM

- 2 Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.(By Mechanical Means with 1km lead)

Road 1

$$0-6 \quad 1 \times \quad 6.00 \quad \frac{6.10 + 4.55}{2} \times \quad 0.15 \quad = \quad 4.79$$

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{4.55 + 3.80}{2} \times \quad 0.15 \quad = \quad 18.79$$

$$30-57 \quad 1 \times \quad 27.00 \quad \frac{3.80 + 3.80}{2} \times \quad 0.15 \quad = \quad 15.39$$

Road 2

$$0-4 \quad 1 \times \quad 4.00 \quad \frac{5.70 + 4.20}{2} \times \quad 0.15 \quad = \quad 2.97$$

$$0-25 \quad 1 \times \quad 25.00 \quad \frac{4.20 + 3.75}{2} \times \quad 0.15 \quad = \quad 14.91$$

Road 3

$$0-3.2 \quad 1 \times \quad 3.20 \quad \frac{6.60 + 3.75}{2} \times \quad 0.15 \quad = \quad 2.48$$

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$30-47 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

Road 4

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$30-60 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$60-81 \quad 1 \times \quad 21.00 \quad \frac{3.75 + 5.90}{2} \times \quad 0.15 \quad = \quad 15.20$$

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.80}{2} \times \quad 0.15 \quad = \quad 16.99$$

Road 5

$$30-60 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$60-90 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$90-108 \quad 1 \times \quad 28.00 \quad \frac{3.75 + 3.90}{2} \times \quad 0.15 \quad = \quad 16.07$$

$$108-114 \quad 1 \times \quad 6.00 \quad \frac{3.90 + 6.40}{2} \times \quad 0.15 \quad = \quad 4.64$$

213.47 Cum

- 2 Construction of un-reinforced, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383,

Road 1

$$0-6 \quad 1 \times \quad 6.00 \quad \frac{6.10 + 4.55}{2} \times \quad 0.15 \quad = \quad 4.79$$

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{4.55 + 3.80}{2} \times \quad 0.15 \quad = \quad 18.79$$

$$30-57 \quad 1 \times \quad 27.00 \quad \frac{3.80 + 3.80}{2} \times \quad 0.15 \quad = \quad 15.39$$

Road 2

$$0-4 \quad 1 \times \quad 4.00 \quad \frac{5.70 + 4.20}{2} \times \quad 0.15 \quad = \quad 2.97$$

$$0-25 \quad 1 \times \quad 25.00 \quad \frac{4.20 + 3.75}{2} \times \quad 0.15 \quad = \quad 14.91$$

Road 3

$$0-3.2 \quad 1 \times \quad 3.20 \quad \frac{6.60 + 3.75}{2} \times \quad 0.15 \quad = \quad 2.48$$

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$30-47 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

Road 4

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$30-60 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$60-81 \quad 1 \times \quad 21.00 \quad \frac{3.75 + 5.90}{2} \times \quad 0.15 \quad = \quad 15.20$$

$$0-30 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.80}{2} \times \quad 0.15 \quad = \quad 16.99$$

Road 5

$$30-60 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$60-90 \quad 1 \times \quad 30.00 \quad \frac{3.75 + 3.75}{2} \times \quad 0.15 \quad = \quad 16.88$$

$$90-108 \quad 1 \times \quad 28.00 \quad \frac{3.75 + 3.90}{2} \times \quad 0.15 \quad = \quad 16.07$$

$$108-114 \quad 1 \times \quad 6.00 \quad \frac{3.90 + 6.40}{2} \times \quad 0.15 \quad = \quad 4.64$$

213.47 Cum

4 Construction of embankment with approved material obtained from borrow pits

$$\text{Road} \quad 2 \times \quad 337.20 \quad \times \quad 0.60 \times \quad 0.30 \quad = \quad 121.39 \text{ Cum}$$

Ref.No.: MITK/CV/CW/2021-22/KRIDL/02/015

A WIDE
HORIZON OF
Date: 23/02/2022
OF OPPORTUNITIES

INSPECTION/ WORK COMPLETION REPORT

1	Name of the Department	KRIDL UDUPI
2.	Name of the Work/ Scheme	DEVELOPMENT WORK OF SEETHA NADI BELARE ROAD AT NADPALU VILLAGE, KARKALA CONSTITUYENCY, UDUPI DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF MINORITY GRANT
4	Estimate Cost	Rs. 15,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	Tech 552//2018/19
7	Bill Amount	Rs. 15,00,000.00/-
8	Name of the Department Engineer present at site	
9.	Name of the inspecting consultants Engineer	Mr. NITHIN D'SOUZA
10.	Date of commencement of the work	22/01/2022
11.	Date of Completion	20/02/2022
12.	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	26/01/2022, 23/02/2022
13.	Status of the Work	COMPLETED
14.	Details of Quality tests (at work site and at lab)carried out by consultants	Inspected the progress of the work, and carried out Material test. Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15.	Photographs of the works along with date of inspection on the photo	Attached
16.	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification Measurement were checked at random place & found to be correct. Shouldering is completed. Board has been installed. water cement ratio used was 0.50 True Slump – 66 mm
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions , Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached)

(Prof. Prasanna Kumar)
HOD, Civil Department

(Mr. Nithin D'Souza)
Inspection Engineer

Tech 552/2018-19Dtd: 06.03.2019.Rs. 15,00,000.00

Excavation for roadway in soil by mechanical means including cutting and pushing the earth to site of embankment upto a distance of 100 m, including trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections.

1 x	331.00	x	4.00 x	0.20	=	264.80 Cum
1 x	331.00	x	0.46 x	0.45	=	68.52 Cum
						<u>333.32 Cum</u>

Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.(By Mechanical Means with 1km lead)

0-11	1 x	11.00	$\frac{9.70 + 3.90}{2} \times$	0.10	=	7.48
0-30	1 x	30.00	$\frac{3.90 + 3.20}{2} \times$	0.10	=	10.65
30-60	1 x	30.00	$\frac{3.20 + 3.20}{2} \times$	0.10	=	9.60
60-90	1 x	30.00	$\frac{3.20 + 3.25}{2} \times$	0.10	=	9.68
90-120	1 x	30.00	$\frac{3.25 + 3.20}{2} \times$	0.10	=	9.68
120-150	1 x	30.00	$\frac{3.20 + 3.20}{2} \times$	0.10	=	9.60
150-180	1 x	30.00	$\frac{3.20 + 3.20}{2} \times$	0.10	=	9.60
180-210	1 x	30.00	$\frac{3.20 + 3.20}{2} \times$	0.10	=	9.60
210-240	1 x	30.00	$\frac{3.20 + 3.20}{2} \times$	0.10	=	9.60
240-270	1 x	30.00	$\frac{3.20 + 3.20}{2} \times$	0.10	=	9.60
270-300	1 x	30.00	$\frac{3.20 + 3.20}{2} \times$	0.10	=	9.60
300-320	1 x	20.00	$\frac{3.20 + 3.20}{2} \times$	0.10	=	6.40
						111.08 Cum

Construction of un-reinforced, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383,

0-11	1 x	11.00	$\frac{9.70 + 3.70}{2} \times$	0.15	=	11.06
0-30	1 x	30.00	$\frac{3.70 + 3.00}{2} \times$	0.15	=	15.08
30-60	1 x	30.00	$\frac{3.00 + 3.00}{2} \times$	0.15	=	13.50
60-90	1 x	30.00	$\frac{3.00 + 3.05}{2} \times$	0.15	=	13.61
90-120	1 x	30.00	$\frac{3.05 + 3.00}{2} \times$	0.15	=	13.61
120-150	1 x	30.00	$\frac{3.00 + 3.00}{2} \times$	0.15	=	13.50

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Udupi Dist, Karnataka

150-180	1 x	30.00	$\frac{3.00 + 3.00 \times 2}{2}$	0.15	=	13.50
180-210	1 x	30.00	$\frac{3.00 + 3.00 \times 2}{2}$	0.15	=	13.50
210-240	1 x	30.00	$\frac{3.00 + 3.00 \times 2}{2}$	0.15	=	13.50
240-270	1 x	30.00	$\frac{3.00 + 3.00 \times 2}{2}$	0.15	=	13.50
270-300	1 x	30.00	$\frac{3.00 + 3.00 \times 2}{2}$	0.15	=	13.50
300-320	1 x	20.00	$\frac{3.00 + 3.00 \times 2}{2}$	0.15	=	9.00
						156.86 Cum

Construction of embankment with approved material obtained from borrow pits
 $2 \times 331.00 \times 0.60 \times 0.25 = 99.30 \text{ Cum}$

P/L Reinforced cement concrete pipe np3 for culvert
 450mm dia $3.00 \times 2.50 = 7.50 \text{ Rmt}$
 7.50 Rmt

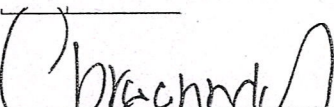
Ref.No.: MITK/CV/CW/2021-22/KRIDL/03/001

Date: 09/03/2022

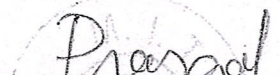
A WIDE
HORIZON
OF
OPPORTUNITIES

INSPECTION/ WORK PROGRESSREPORT(1st & Part Valuation)

1	Name of the Department	KRIDL UDUPI
2	Name of the Work/ Scheme	WORK OF BUJANGA PARK NEAR AJJARAKADU, UDUPI DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF TOURISM GRANT
4	Estimate Cost	Rs. 1,00,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	90/2020-21/1532 Dt 02.03.2021
7	Bill Amount	Rs. 70,00,000.00/-
8	Name of the Department Engineer present at site	
9	Name of the inspecting consultants Engineer	Mr. PRASAD GAONKAR
10	Date of commencement of the work	15/03/2021
11	Date of Completion	UNDER PROGRESS (70% Work Completed)
12	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	20/07/2021, 07/03/2022
13	Status of the Work	UNDER PROGRESS
14	Details of Quality tests (at work site and at lab) carried out by consultants	Inspected the progress of the work is satisfactory as per norms and IS Specifications
15	Photographs of the works along with date of inspection on the photo	Attached
16	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification Measurement were checked at random place & found to be correct.
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions, Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached)


Prof. Prasanna Kumar
(HOD, Civil Department)


Principal


Mr. Prasad Gaonkar
(Inspection Engineer)

Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

KARNATAKA RURAL INFRASTRUCTURE DEVELOPMENT LIMITED,
UDUPI DIVISION .

ಕಾಮಗಾರಿಯ ಹೆಸರು : ಉಡುಪಿ ನಗರದ ಅಜ್ಜರಕಾಡು ಬಳಿಯ ಭುಜಂಗ ಪಾರ್ಕ್ ಕಾಮಗಾರಿ.

TS No 90/2020-21/1532 Dt 02.03.2021

ಅಂದಾಜು ಮೊತ್ತ: ರೂ. 100.00 ಲಕ್ಷ

ABSTRACT ESTIMATE				
1	OUT DOOR GYM(Sub Estimate-1)			420000.00
2	POND AND WATERBODY(Sub Estimate-2)			1757000.00
3	WOODEN ARCH BRIDGE(Sub Estimate-3)			750000.00
4	BUTTERFLY PARK(PLNTATION)(Sub Estimate-4)			341000.00
5	RENOVATION OF WELL WALL ,COMPOUNDALL, TREE KATTE,& ELECTRICAL REPAIRE ,BENCHES(SE-5)			680000.00
6	WATER SUPPY WORKS(Borewell,Pump,Pipeline,Sump)(SE-6)			685000.00
7	ENTERANCE ARCH NEAR TOWN HALL(Sub Estimate-7)			800000.00
8	CC CAMERA SYSTEMS(Sub Estimate-8)			522000.00
9	LED STREET LIGHTS, POLES & ELECRICAL WORKS(SE-9)			982000.00
10	BUTTERFLY ART , MURALS & OTHER ARTISTIC WORK(SE-10)			1400000.00
11	RO UNIT (DRINKING WATER) Sub Estimate -11			245000.00
			Total	8582000.00
	Add 3% KRIDL Charges			257460.00
			Total 1	8839460.00
	Add 1% Labour cess			88395.00
			Total 2	8927855.00
	Add 12% GST Charges			1071343.00
	Miscellaneous and round off			802.00
			Total	10000000.00
	(Rupees Hundred Lakhs Only)			

Assistant Engineer
KRIDL , UDUPI .

Assistant Executive Engineer
KRIDL , UDUPI .


Principal
Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka



Moodlakatte Institute of Technology

(A Unit of Moodlakatte Nagarathna Bhujanga Shetty Trust (R.))

(Approved by AICTE, New Delhi & Affiliated to V.T.U., Belagavi)

Moodlakatte - 576 217, Kundapura Taluk, Udupi District, Karnataka

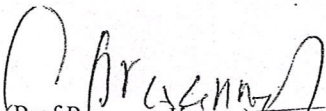
Ref.No.: MITK/CV/CW/2021-22/KRIDL/03/003

Date: 17/03/2022

INSPECTION/ WORK COMPLETION REPORT

A WIDE
HORIZON
OF
OPPORTUNITIES

1	Name of the Department	KRIDL UDUPI
2	Name of the Work/ Scheme	DEVELOPMENT WORK OF ROAD NEAR BABBUSWAMY TEMPLE AT GULIBETTU, KEMMANNU, UDUPICONSTITUENCY.
3	Scheme of the Work	UNDER THE SCHEME OF LOCAL AREA DEVELOPMENT GRANT-2019-20 (AS PER THE APROVAL OF SHRI OSKAR FERNANDES-MP)
4	Estimate Cost	Rs. 10,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	89/2021-22 Dated:21.10.2021
7	Bill Amount	Rs. 10,00,000.00/-
8	Name of the Department Engineer present at site	
9	Name of the inspecting consultants Engineer	MrNITHIN D'SOUZA
10	Date of commencement of the work	02/02/2022
11	Date of Completion	05/03/2022
12	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	14/02/2022, 12/03/2022
13	Status of the Work	COMPLETED
14	Details of Quality tests (at work site and at lab)carried out by consultants	Inspected the progress of the work, and carried out Material test. Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15	Photographs of the works along with date of inspection on the photo	Attached
16	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification Measurement were checked at random place & found to be correct. Shouldering is completed. Board has been installed. water cement ratio used was 0.48 True Slump - 63 mm
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions , Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached)


(Prof. Prasanna Kumar)
HOD, Civil Department


(Mr. Nithin D'Souza)
Inspection Engineer

Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

ಉಡುಪಿ ವಿಧಾನ ಸಭಾ ಕ್ಷೇತ್ರ ವ್ಯಾಪ್ತಿಯ ಕೆಮ್ಮಣ್ಣು ಗುಳಿಬೆಟ್ಟ ಬಬ್ಬುಸ್ವಾಮಿ ದೈವಸ್ಥಾನದ ಬಳಿಯ ಸಾರ್ವಜನಿಕ ರಸ್ತೆ ಅಭಿವೃದ್ಧಿ

Tech-89 2021-22 Dtd-21.10.2021

ಅಂದಾಜು ಮೊತ್ತ: ರೂ. 10.00 ಲಕ್ಷ

ಯೋಜನೆ : 2019-20ನೇ ಸಾಲಿನ ಸಂಸದರ ಸ್ಥಳೀಯ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಯೋಜನೆ (ಶ್ರೀ ಆಸ್ಕರ್ ಫರ್ನಾಂಡಿಸ್ ಮಾನ್ಯ ರಾಜ್ಯ ಸಭಾ ಸದಸ್ಯರು)

Sl. No.	if work	No	L	B	D/H	Qty	Unit	Rate/Unit	Amou
1	2	3	4	5	6	7	8	9	10
1	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 1.00km and complete as per specifications. MORTH Specification No.301								

(PRED SR 2018-19, Page 34 , Item No.3.5.(ii))

Road 1 1 x 223.80 x 3.20 x 0.20 = 143.23
= 143.23 Cum

- 2 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

(PRED SR 2018-19, Page 48 , Item No.4.9)

Road 1

0 - 15 1 x 15.00 (3.10 + 3.00) 0.10 = 4.58

15 - 30 1 x 15.00 (3.00 + 3.00) 0.10 = 4.50

30 - 45 1 x 15.00 (3.00 + 2.95) 0.10 = 4.46

45 - 56.3 1 x 11.30 (2.95 + 3.00) 0.10 = 3.36

Road 2

0 - 15 1 x 15.00 (2.95 + 2.90) 0.10 = 4.39

15 - 30 1 x 15.00 (2.90 + 2.90) 0.10 = 4.35

30 - 33 1 x 3.00 (2.90 + 3.00) 0.10 = 0.89

Road 3

0 - 15 1 x 15.00 (2.70 + 2.80) 0.10 = 4.13

15 - 30 1 x 15.00 (2.80 + 2.70) 0.10 = 4.13

30 - 45 1 x 15.00 (2.70 + 2.80) 0.10 = 4.13

45 - 64.5 1 x 19.50 (2.80 + 2.80) 0.10 = 5.46

Road 4

0 - 15 1 x 15.00 (2.70 + 3.00) 0.10 = 4.28

15 - 30 1 x 15.00 (3.00 + 2.85) 0.10 = 4.39

30 - 40 1 x 10.00 (2.85 + 3.00) 0.10 = 2.93

40 - 45 1 x 5.00 (3.00 + 3.00) 0.10 = 1.50

45 - 60 1 x 15.00 (3.00 + 3.00) 0.10 = 4.50

60 - 70 1 x 10.00 (3.00 + 3.00) 0.10 = 3.00


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2									
Road 5									
0 - 3	1 x	3.00	(	1.50 +	2.00)	0.10	=	0.53	
2									
0 - 15	1 x	15.00	(	0.50 +	0.50)	0.10	=	0.75	
2									
15 - 22	1 x	7.00	(	0.50 +	1.19)	0.10	=	0.59	
2									
								66.81 CUM	

- 2 Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregates , with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rammers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)

(PRED SR 2018-19, Page No.37 Item No.3.14)

Road 1									
0 - 15	1 x	15.00	(	3.10 +	3.00)	0.15	=	6.86	
2									
15 - 30	1 x	15.00	(	3.00 +	3.00)	0.15	=	6.75	
2									
30 - 45	1 x	15.00	(	3.00 +	2.95)	0.15	=	6.69	
2									
45 - 56.3	1 x	11.30	(	2.95 +	3.00)	0.15	=	5.04	
2									
Road 2									
0 - 15	1 x	15.00	(	2.95 +	2.90)	0.15	=	6.58	
2									
15 - 30	1 x	15.00	(	2.90 +	2.90)	0.15	=	6.53	
2									
30 - 33	1 x	3.00	(	2.90 +	3.00)	0.15	=	1.33	
2									
Road 3									
0 - 15	1 x	15.00	(	2.70 +	2.80)	0.15	=	6.19	
2									
15 - 30	1 x	15.00	(	2.80 +	2.70)	0.15	=	6.19	
2									
30 - 45	1 x	15.00	(	2.70 +	2.80)	0.15	=	6.19	
2									
45 - 64.5	1 x	19.50	(	2.80 +	2.80)	0.15	=	8.19	
2									
Road 4									
0 - 15	1 x	15.00	(	2.70 +	3.00)	0.15	=	6.41	
2									
15 - 30	1 x	15.00	(	3.00 +	2.85)	0.15	=	6.58	
2									
30 - 40	1 x	10.00	(	2.85 +	3.00)	0.15	=	4.39	
2									
40 - 45	1 x	5.00	(	3.00 +	3.00)	0.15	=	2.25	
2									
45 - 60	1 x	15.00	(	3.00 +	3.00)	0.15	=	6.75	
2									

$$60 - 70 \quad 1 \times 10.00 \left(\frac{3.00 + 3.00}{2} \right) 0.15 = 4.50$$

Road 5

$$0 - 3 \quad 1 \times 3.00 \left(\frac{1.50 + 2.00}{2} \right) 0.15 = 0.79$$

$$0 - 15 \quad 1 \times 15.00 \left(\frac{0.50 + 0.50}{2} \right) 0.15 = 1.13$$

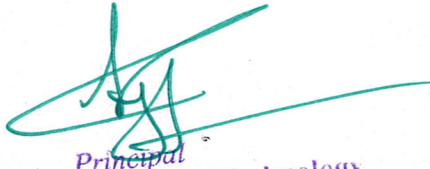
$$15 - 22 \quad 1 \times 7.00 \left(\frac{0.50 + 1.19}{2} \right) 0.15 = 0.89$$

100.22 CUM

- 4 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 compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305

(PRED SR 2018-19, Page No.37 Item No.3.14)

$$\text{Road 1} \quad 2 \times 223.80 \times 0.45 \times 0.25 = \frac{51.11}{51.11 \text{ Cum}}$$

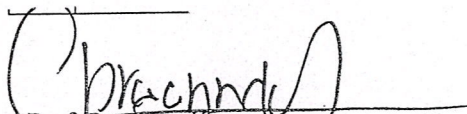

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Ref.No.: MITK/CV/CW/2021-22/KRIDL/03/004

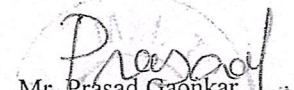
Date: 19/03/2022

INSPECTION/ WORK COMPLETION REPORT

1	Name of the Department	KRIDL UDUPI
2.	Name of the Work/ Scheme	DEVELOPMENT WORK OF ST COLONY ROADAT KUMBASHI G.P, KUNDAPURA TALUK UDUPI DISTRICT
3	Scheme of the Work	UNDER THE SCHEME OF SCP/TSP 2021/22 - GRANT
4	Estimate Cost	Rs. 15,00,000.00/-
5	Administrative Approval No:	
6	Technical Sanction No	156/2021-22 Dtd:15-12-2021
7	Bill Amount	Rs. 15,00,000.00/-
8	Name of the Department Engineer present at site	
9.	Name of the inspecting consultants Engineer	MrPRASAD GAONKAR
10.	Date of commencement of the work	18/01/2022
11.	Date of Completion	04/03/2022
12.	Date of the Inspection (Date of Inspection 1 st , 2 nd , 3 rd visit)	12/02/2022, 09/03/2022
13.	Status of the Work	COMPLETED
14.	Details of Quality tests (at work site and at lab)carried out by consultants	Inspected the progress of the work, and carried out Material test. Work is satisfactory as per norms and IS Specifications (Test Report is attached)
15.	Photographs of the works along with date of inspection on the photo	Attached
16.	Consultant clear opinion regarding acceptance of the quality of work.	We have inspected the site and observed that work is completed according to the norms and specification Measurement were checked at random place & found to be correct. Shouldering is completed. Board has been installed. water cement ratio used was 0.50 True Slump – 65 mm
17	If the quality of work is not up to the satisfactory, the consultants suggestions for rectifications/ redoing	No Suggestions , Work is done satisfactorily
18	Opinion of the Third party agency regarding measurement	Measurement is taken along with Department Engineers and found to be correct. (Bill copy along with measurement sheets attached)


Prof. Prasanna Kumar
(HOD, Civil Department)


Principal


Mr. Prasad Gaonkar
(Inspection Engineer)

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Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

Tech 156/2021-22 Dtd- Tech 15-12-2021

ಅಂದಾಜು ಮೊತ್ತ: ರೂ. 15.00 ಲಕ್ಷ

Sl. No.	Items of work	No	L	B	D/H	Qty	Unit	Rate/ Unit	Amount in Rs.
1	2	3	4	5	6	7	8	9	10
1	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 1.00km and complete as per specifications. MORTH Specification No.301								

(PWD SR 2018-19, Page 143, Item No.19.14)

PART 1 : (Qty as per calculation sheet enclosed)

= 2324.32 cum

DRAIN 1 x 221.00 x 0.60 x 0.60 = 79.56

= 2403.88 cum

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

(PWD SR 2018-19, Page No.147, Item No.19.60)

= 287.50 cum

= 287.50 cum

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 roller to achieve the desired density complete as per specifications. MORTH Specification No. 406

(PWD SR 2018-19, Page 155, Item No.20.18)

0 - 15 1 x 15.00 (3.70 + 3.70) 0.150 = 8.33

15 - 30 1 x 15.00 (3.70 + 3.80) 0.150 = 8.44

30 - 45 1 x 15.00 (3.80 + 3.85) 0.150 = 8.61

45 - 60 1 x 15.00 (3.85 + 3.85) 0.150 = 8.61

60 - 75	1 x	15.00 (	3.55 +	² 2	2	0.15	=	7.93
75 - 90	1 x	15.00 (	3.50 +	² 2	2	0.15	=	7.88
90 - 105	1 x	15.00 (	3.50 +	² 2	2	0.15	=	7.99
105 - 115	1 x	10.00 (	3.60 +	² 2	2	0.15	=	5.81
115 - 130	1 x	15.00 (	4.15 +	² 2	2	0.15	=	8.49
130 - 145	1 x	15.00 (	3.40 +	² 2	2	0.15	=	7.65
145 - 160	1 x	15.00 (	3.40 +	² 2	2	0.15	=	7.54
160 - 170	1 x	10.00 (	3.30 +	² 2	2	0.15	=	4.76
89.38 CUM								

6 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 rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305

(PRED SR 2018-19, Page No.37 Item No.3.14)

1 x	170.00 x	0.60 x	0.30	=	30.60
1 x	170.00 x	0.90 x	0.30	=	45.90

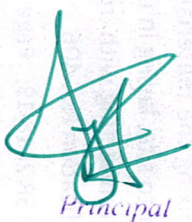
76.50 cum

6 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. KSRRB 1000, 2300 MOST Specification No.1000 / 2300 - - 450mm dia

(PWD 2018-19, P.NO. 254, I.NO. 34.6.3
2 x 2.50

= 5.00

5.00 Rmt


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