

of work :- Peoples Planning Programme 2015-16 Kommeri Kunhanveedu road from
ch:0/000 to 0/800 In Kolayad Grama Panchayath.

Detailed Estimate

Sl No	Spec. code	Description (CPWD)	Nos	Length (m)	Width (m)	Depth (m)	Quantity	Unit	Amount (Rs)
1	50.2.26.1	Filling with contractor's own earth (excluding rock) in open areas in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m as per direction of site Engineer-in-charge.	1	1	93.00	5.00	0.30	139.50 m ³	
		Total					139.50 m ³		
		Say			139.50 m ³		276.92 / 1	m3	38630.00
2	19.6.7	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete. 600 mm dia R.C.C. pipe.							
		Pipe culvert	1	11.00			11.00		
		Total					11.00		
		Say			11.00 m		1891.76 / 1	m	20809.00
3	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.							
			1	795.00	3.20		2544.00 m ²		
		bell mouth	1	5.00	3.20+4.5		19.25		
					2				
		sub total					2563.25 m ²		
		deduct filling	1	93.00	3.20		297.60		
		Total					2265.65 m ²		
		Say			2265.65 m		111.48 / 1	m2	252575.00
4	16.3.2	Supplying and stacking at site 63mm to 45mm size stone aggregate and stacking on road side in standard heaps for premeasurement including cost and conveyance of all materials and all labour charges etc. complete.							
			1	795.00	3.20	0.100	254.40 m3		
		bell mouth	1	5.00	3.20+4.5	0.100	1.93		
					2				
		sub total					256.33		
		Deduct voids 7.5%					19.22		
		Total					237.11 m ³		
		Say			237.11 m ³		1848.94 / 1	m3	438393.00
5	16.3.3	Supplying and stacking at site 53mm to 22.4mm size stone aggregate and stacking on road side in standard heaps for premeasurement including cost and conveyance of all materials and all labour charges etc. complete.							
			1	795.00	3.20	0.100	254.40 m3		
		bell mouth	1	5.00	3.20+4.5	0.100	1.93		
					2				
			1	795.00	3.00	0.100	238.50 m3		
		bell mouth	1	5.00	3.20+4.5	0.100	1.93		
					2				
		Total					496.76 m ³		
		Say			496.76 m ³		1856.90 / 1	m3	922434.00
6	16.3.9	Supplying and stacking at site good earth and stacking on road side in standard heaps for premeasurement including cost and conveyance of all materials and all labour charges etc. complete.							
			1	795.00	3.20	0.009	22.90 m3		
		bell mouth	1	5.00	3.20+4.5	0.009	0.44		
					2				

Code	Description (CPWD)	Nos	Length (m)	Width (m)	Depth (m)	Quantity	Unit	Amount (Rs)
		1	795.00	3.00	0.009	21.47	m3	
	bell mouth	1	5.00	<u>3.20+4.5</u>	0.009	0.43		
				2				
	Total					<u>45.23</u>	m ³	
	Say		45.23	m ³		440.37	/ 1 m3	19918.00
7	16.3.7	Supplying and stacking at site stone screening 11.2mm nominal size (type B) and stacking on road side in standard heaps for premeasurement including cost and conveyance of all materials and all labour charges etc. complete.						
		1	795.00	3.20	0.020	50.88	m3	
	bell mouth	1	5.00	<u>3.20+4.5</u>	0.020	0.44		
				2				
		1	795.00	3.00	0.018	42.93	m3	
	bell mouth	1	5.00	<u>3.20+4.5</u>	0.018	0.43		
				2				
	Total					<u>94.68</u>	m ³	
	Say		21.20	m ³		2017.46	/ 1 m3	42770.00
8	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density						
		1	795.00	3.20	0.075	190.80	m3	
	bell mouth	1	5.00	<u>3.20+4.5</u>	0.075	1.62		
				2				
		1	795.00	3.00	0.075	178.88	m3	
	bell mouth	1	5.00	<u>3.20+4.5</u>	0.075	1.50		
				2				
	Total					<u>372.80</u>	m ³	
	Say		372.80	m ³		582.94	/ 1 m3	217317.00
9	MORD 502 MODIFIED	Providing and applying tack coat using Bitumen Emulsion (SS1) including heating the bitumen, spraying the bitumen with mechanically operated spraying unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications on W.B.M. @ 0.85 Kg / sqm.						
		1	795.00	3.00		2385.00	m ²	
		1	5.00	<u>3.00+4.5</u>		19.25		
				2				
						<u>2404.25</u>	m ²	
	Say		2404.25	m ²		54.57	/ 1 m ²	131200.00
10	16.30.1	Providing and applying tack coat using Bitumen Emulsion Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom. On bituminous surface @ 0.25 kg/ sqm						
		1	795.00	3.00		2385.00	m ²	
		1	5.00	<u>3.00+4.5</u>		19.25		
				2				
						<u>2404.25</u>	m ²	
	Say		2404.25	m ²		13.82	/ 1 m ²	33227.00
11	16.32.1	2 cm premix carpet surfacing with 1.8 cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete: (tack coat to be paid for separately) With paving Asphalt grade VG - 30 with no solvent.						
		1	795.00	3.00		2385.00	m ²	
		1	5.00	<u>3.00+4.5</u>		19.25		
				2				

No	Code	Description (CPWD)	Nos	Length (m)	Width (m)	Depth (m)	Quantity	Unit	Amount (Rs)
				Say	2404.25	m ²	211.54 / 1	m2	508595.00
12	16.40	Providing and laying seal coat of premixed fine aggregate (6 mm nominal size aggregate) with bitumen using 8.64 kg of bitumen of grade VG - 30 bitumen per 10 m2 and 0.9 cum of fine aggregate per 100 sqm of road surface including rolling and finishing with road roller all complete.							
	Observed Data	KNR-6)							
			1	795.00	3.00		2385.00 m ²		
			1	5.00	3.00+4.5		19.25		
					2				
				Say	2404.25	m ²	98.36 / 1	m2	236482.00
13		Name board			1	No	4599.00	1 E	4599.00
14		Unforeseen items if any							33051.00
TOTAL									2900000.00

(Rupees Twenty Nine lakhs only)


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