

TS Register No: 1710/2019-2020

AS Register No:1797/2019-2020

Punnamada- Starting Point Pathway and Boat Landing at Alapuzha District.

Detailed Estimate

(Dsr year: 2016, Cost Index Applied for this estimate is 48.71%)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1 Appendix A- Pathway								
1	15.9.2 Demolishing stone rubble masonry manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer -in- Charges:In cement mortar							
	RR masonry	1	150.000	0.500	0.300		22.500	
		1	50.000	0.500	0.400		10.000	
		1	50.000	0.500	0.350		8.750	
		1	50.000	0.500	0.400		10.000	
							Total Quantity	51.250 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	51.250 cum
							Say 51.250 cum @ Rs 1495.58 / cum	Rs 76648.47
2	15.23.1 Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.For thickness of tiles 10 mm to 25 mm							
	pathway	1	500.000	3.000			1500.000	
							Total Quantity	1500.000 sqm
							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	1500.000 sqm
							Say 1500.000 sqm @ Rs 46.92 / sqm	Rs 70380.00
3	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil							
								Foundation
	DR	1	10.000	1.450	0.500		7.250	
		1	9.000	1.450	0.500		6.525	
		2	13.000	1.450	0.500		18.850	

		2	28.000	1.450	0.500		40.600		
	Total Quantity						73.225 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						73.225 cum		
	Say 73.225 cum @ Rs 187.30 / cum						Rs 13715.04		
4	60.7.1 DRY RUBBLE MASONRY _ Dry rubble without concrete levelling course masonry with good quality blasted rubble including packing to compactness to lines and levels cost and conveyance of all materials labour charges etc. complete as per direction of Departmental officers at site								
	Foundation								
	DR	1	10.000	1.450	0.500		7.250		
		1	9.000	1.450	0.500		6.525		
		2	13.000	1.450	0.500		18.850		
		2	28.000	1.450	0.500		40.600		
	Super structure								
	DR	1	10.000	$(1.25+.86) / 2$	1.500		15.825		
		1	9.000	$(1.25+.86) / 2$	1.500		14.243		
		2	13.000	$(1.25+.65) / 2$	2.000		49.400		
		2	28.000	$(1.25+.65) / 2$	2.000		106.400		
	Dept rubble = .75 X 5 1 . 2 5 0 m 3	1	.75*51.25				-38.437		
	Total Quantity						259.093 cum		
	Total Deducted Quantity						-38.437 cum		
	Net Total Quantity						220.656 cum		
	Say 220.656 cum @ Rs 2854.19 / cum						Rs 629794.15		
5	60.7.8 DR with Departmental. Stone - DRY RUBBLE MASONRY _ Dry rubble without concrete levelling course using departmental rubble including packing to compactness to lines and levels, labour charges etc. complete as per direction of Departmental officers at site								
	Dept rubble = .75 X 5 1 . 2 5 0 m 3	1	.75*51.25				38.437		
	Total Quantity						38.437 cum		

		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					38.437 cum	
		Say 38.437 cum @ Rs 1064.01 / cum					Rs 40897.35	
6	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with:Cement mortar 1:6 (1 cement : 6 coarse sand)							
	RR near first bridge	1	10.000	$(.86+.6)/2$	1.000		7.300	
		1	10.000	0.600	1.000		6.000	
		1	9.000	$(.86+.6)/2$	1.000		6.570	
		2	13.000	$(.65+.5)/2$	0.500		7.475	
		1	4.000	0.500	1.000		2.000	
		2	28.000	$(.65+.5)/2$	0.500		16.100	
		1	25.000	0.500	1.000		12.500	
		1	20.000	0.500	1.000		10.000	
		1	15.000	0.500	1.000		7.500	
		Total Quantity					75.445 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					75.445 cum	
		Say 75.445 cum @ Rs 5897.62 / cum					Rs 444945.94	
7	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete							
	Main beam	2	520.000		0.400		416.000	
	Side beam	2	520.000		0.300		312.000	
	Cross beam	35*2	3.000		0.200		42.001	
		Total Quantity					770.001 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					770.001 sqm	
		Say 770.001 sqm @ Rs 288.42 / sqm					Rs 222083.69	
8	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.							

	Pathway	1	520.000	3.000			1560.000	
	Total Quantity						1560.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1560.000 sqm	
	Say 1560.000 sqm @ Rs 133.99 / sqm						Rs 209024.40	
9	<p>16.78.1 Construction of granular sub- base by Providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, Carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in- Charge.With Material conforming to Grade - I (size range 75 mm to 0.075 mm) having CBR Value- 30</p>							
		1	520.000	3.000	0.250		390.000	
	Total Quantity						390.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						390.000 cum	
	Say 390.000 cum @ Rs 3107.59 / cum						Rs 1211960.10	
10	<p>16.68 Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.</p>							
		1	520.000	3.000			1560.000	
	Total Quantity						1560.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1560.000 sqm	
	Say 1560.000 sqm @ Rs 915.61 / sqm						Rs 1428351.60	
11	<p>50.10.1 Steel work in built up G I tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting,fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete</p>							
	Waiting Shed							
	148m2 @ 15kg/m2	1	148.000			15.0	2220.000	
	Hand Rails							
	88.8 m2 @ 6kg/m2	1	88.800			6.0	532.800	
	Total Quantity						2752.800 kg	
	Total Deducted Quantity						0.000 kg	

	Net Total Quantity						2752.800 kg	
	Say 2752.800 kg @ Rs 148.92 / kg						Rs 409946.98	
12	12.48 Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approved size and as per approved pattern on steel frame work complete (steel frame work to be paid separately)							
	Waiting Shed							
	bridege 1	2	9.000	2.000			36.000	
	bridege 2	2	7.000	2.000			28.000	
	bridege 3	2	5.500	2.000			22.000	
	bridege 4	2	9.000	2.000			36.000	
	bridege 5	2	6.500	2.000			26.000	
	Total Quantity						148.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						148.000 sqm	
	Say 148.000 sqm @ Rs 353.93 / sqm						Rs 52381.64	
13	12.49 Providing & laying on roof pressed clay tile ridge (Mangalore tile) of 20 mm thickness and of approved pattern on steel frame work complete (steel frame work to be paid separately).							
	Waiting Shed							
	bridege 1	1	9.000				9.000	
	bridege 2	1	7.000				7.000	
	bridege 3	1	5.500				5.500	
	bridege 4	1	9.000				9.000	
	bridege 5	1	6.500				6.500	
	Total Quantity						37.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						37.000 metre	
	Say 37.000 metre @ Rs 78.00 / metre						Rs 2886.00	
14	13.48.1 Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm							
	Waiting Shed Roof tile							
	bridege 1	2	9.000	2.000			36.000	
	bridege 2	2	7.000	2.000			28.000	

	bridge 3	2	5.500	2.000			22.000	
	bridge 4	2	9.000	2.000			36.000	
	bridge 5	2	6.500	2.000			26.000	
	Total Quantity						148.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						148.000 sqm	
	Say 148.000 sqm @ Rs 147.15 / sqm						Rs 21778.20	
15	13.61.1 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work							
	Hand Rails							
	88.8 m2	1	88.800			0.5	44.400	
	Waiting Shed Truss							
	148m2	1	148.000			0.5	74.000	
	Total Quantity						118.400 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						118.400 sqm	
	Say 118.400 sqm @ Rs 116.59 / sqm						Rs 13804.26	
16	50.2.26.1 Filling with contractor 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.							
	In dock yard area	3	20.000	3.000	2.000		360.000	
	Total Quantity						360.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						360.000 cum	
	Say 360.000 cum @ Rs 296.30 / cum						Rs 106668.00	
17	5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size							
	Main beam	1	520.000	0.300	0.400		62.401	
	Side beam	1	520.000	0.300	0.300		46.800	
	Cross beam	35	3.000	0.300	0.200		6.300	
	bollards	30	0.150	0.150	0.600	3.14	1.272	

	Ramp	5*2	4.000	3.000	0.100		12.001	
	Side ramp to road	3	4.000	3.000	0.100		3.601	
	Total Quantity						132.375 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						132.375 cum	
	Say 132.375 cum @ Rs 9242.85 / cum						Rs 1223522.27	
18	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more							
		1	132.375			95.0	12575.625	
	Total Quantity						12575.625 kilogram	
	Total Deducted Quantity						0.000 kilogram	
	Net Total Quantity						12575.625 kilogram	
	Say 12575.625 kilogram @ Rs 84.17 / kilogram						Rs 1058490.36	
19	od211458/2019_2020 Supplying and fixing pre cast three seated RCC garden bench of safe area: length 1.5 m, width 0.45m and back rest 0.40m with all cost of labour conveyance etc. complete							
		15					15.000	
	Total Quantity						15.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						15.000 each	
	Say 15.000 each @ Rs 8711.25 / each						Rs 130668.75	
20	od227952/2019_2020 Providing sign board in structural steel work in single section, with plate, including cutting, hoisting, fixing in position and applying a priming coat, two coats of synthetic enamel paint of approved quality and lettering etc all complete.							
	sign board @35kg/m2	1	2.000	1.000		35.0	70.000	
	Total Quantity						70.000 kilogram	
	Total Deducted Quantity						0.000 kilogram	
	Net Total Quantity						70.000 kilogram	
	Say 70.000 kilogram @ Rs 103.53 / kilogram						Rs 7247.10	
21	od212712/2019_2020 Supply and Plantation of Trees, Bamboos, Shrubs, and Hedge at site i/c watering and removal of unserviceable materials as per direction of officer in charge including cost of plant & watering etc. complete.							
	Land scaping							

		310						310.000	
	Total Quantity							310.000	no
	Total Deducted Quantity							0.000	no
	Net Total Quantity							310.000	no
	Say 310.000 no @ Rs 883.84 / no							Rs 273990.40	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
2 Appendix B- Solar Lighting									
1	90.15.3.3 Supply installation testing and commissioning of Octogaonal Pole made of hot dip galvanised GI sheet 70 mm top diameter, 130 mm bottom diameter thickness 3mm base plate dimensions of 200x200x12 mm suitable for wind speed as per IS 875 Part III single arm bracket 0.5mt including connector foundation bolt 4 nos fixed in existing RCC foundation and junction box etc. complete 6 Meters								
		32						32.000	
	Total Quantity							32.000	each
	Total Deducted Quantity							0.000	each
	Net Total Quantity							32.000	each
	Say 32.000 each @ Rs 20794.25 / each							Rs 665416.00	
2	od222121/2019_2020 SITC of Solar LED lighting System with following accessories. (a) All in one Solar LED CSADHMP40 CDL, 30W LED Crompton make / Equilant having 60W solar module Wp with 24 Ah battery having 5100 lumens having dimenssions(Approx) 955 X 630 X 55 (LWH) haing approximate weight of 19Kg suitable to fit on tubular pole.(3years warranty) including AMC for two years.								
	od222121/2019_2020	32						32.000	
	Total Quantity							32.000	each
	Total Deducted Quantity							0.000	each
	Net Total Quantity							32.000	each
	Say 32.000 each @ Rs 54265.29 / each							Rs 1736489.28	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
3 Consultancy charge @7%									
Lump-Sum Total							Rs 703576.30		
Provision for GST payments (in %) @							18.0%		
Amount reserved for GST payments							1935839.93		
Total							12690505.93		
Lumpsum for round off							9494.07		
TOTAL Rs 12700000.00									
Rounded Total Rs 1,27,00,000									

Rupees One Crore Twenty Seven Lakh Only

(Cost Index Applied for this estimate is 48.71%)



Other Engineering Organisations

PRICE