

TS Register No: 2421/2020-2021

AS Register No:2539/2020-2021

**IMPROVEMENTS TO ANTHAKARA THODU IN TRIPUNITHURA MUNICIPALITY-
LANDSCAPING & ARBORICULTURE ,CONSTRUCTION OF KIOSK AND TOILET
AND OPERATION & MAINTENANCE FOR ONE YEAR**

Detailed Estimate

(Dsor year: **2016**,Cost Index Applied for this estimate is **39.89%**)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1 Appendix A: Landscaping & Tress								
1	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							
	For tress							
	Ch 0 - Ch 320 RB	20	4.250	0.650	0.550		30.388	
	Ch 0 - Ch 320 LB	20	4.250	0.650	0.550		30.388	
	Ch 320 - Ch 900 LB	30	4.250	0.650	0.550		45.582	
	Ch 900 - Ch 1272 LB	20	4.250	0.650	0.550		30.388	
	Ch 1284 - Ch 1492 RB	20	4.250	0.650	0.550		30.388	
	Ch 1582 - Ch 1785 LB	15	4.250	0.650	0.550		22.791	
	Ch 1785- Ch 2170 RB	20	4.250	0.650	0.550		30.388	
	Ch 1785- Ch 2170 LB	20	4.250	0.650	0.550		30.388	
	pargola							
	foundation for vertical post	8*4	0.800	0.800	0.600		12.289	
	Total Quantity						262.990 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						262.990 cum	
	Say 262.990 cum @ Rs 176.19 / cum						Rs 46336.21	
2	4.1.6 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)							
	For tress							
	Ch 0 - Ch 320 RB	20	4.250	0.650	0.100		5.526	

	Ch 0 - Ch 320 LB	20	4.250	0.650	0.100		5.526	
	Ch 320 - Ch 900 LB	30	4.250	0.650	0.100		8.288	
	Ch 900 - Ch 1272 LB	20	4.250	0.650	0.100		5.526	
	Ch 1284 - Ch 1492 RB	20	4.250	0.650	0.100		5.526	
	Ch 1582 - Ch 1785 LB	15	4.250	0.650	0.100		4.144	
	Ch 1785- Ch 2170 RB	20	4.250	0.650	0.100		5.526	
	Ch 1785- Ch 2170 LB	20	4.250	0.650	0.100		5.526	
	pargola							
	foundation for vertical post	8*4	0.800	0.800	0.100		2.049	
	Total Quantity						47.637 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						47.637 cum	
	Say 47.637 cum @ Rs 6735.07 / cum						Rs 320838.53	
3	4.1.5 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)							
	Other Engineering Organisations for shirubs							
	long	45*2	1.200	0.350	0.100		3.781	
	short	45*2	0.300	0.350	0.100		0.946	
	for walkway 4m wide	1	700.000	0.350	0.100		24.500	
	Total Quantity						29.227 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						29.227 cum	
	Say 29.227 cum @ Rs 6892.38 / cum						Rs 201443.59	
4	4.1.3 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)							
	pargola							
	foundation for vertical post	8*4	0.450	0.450	0.300		1.944	
	Total Quantity						1.944 cum	

		Total Deducted Quantity					0.000 cum		
		Net Total Quantity					1.944 cum		
		Say 1.944 cum @ Rs 7668.70 / cum					Rs 14907.95		
5	4.3.2 Centering and shuttering including strutting, propping etc. and removal of form work for:Retaining walls, return walls, (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.								
		pargola							
	foundation for vertical post	8*4	4*0.45		0.300		17.280		
		Total Quantity					17.280 sqm		
		Total Deducted Quantity					0.000 sqm		
		Net Total Quantity					17.280 sqm		
		Say 17.280 sqm @ Rs 529.62 / sqm					Rs 9151.83		
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)								
		For tress							
	Ch 0 - Ch 320 RB	20	4.250	0.450	0.450		17.213		
	Ch 0 - Ch 320 LB	20	4.250	0.450	0.450		17.213		
	Ch 320 - Ch 900 LB	30	4.250	0.450	0.450		25.819		
	Ch 900 - Ch 1272 LB I	20	4.250	0.450	0.450		17.213		
	Ch 1284 - Ch 1492 RB	20	4.250	0.450	0.450		17.213		
	Ch 1582 - Ch 1785 LB	15	4.250	0.450	0.450		12.910		
	Ch 1785- Ch 2170 RB	20	4.250	0.450	0.450		17.213		
	Ch 1785- Ch 2170 LB	20	4.250	0.450	0.450		17.213		
		pargola							
	foundation for vertical post	8*4	0.600	0.600	0.450		5.184		
		Total Quantity					147.191 cum		
		Total Deducted Quantity					0.000 cum		
		Net Total Quantity					147.191 cum		
		Say 147.191 cum @ Rs 5547.83 / cum					Rs 816590.65		
7	od238734/2020_2021								

	Supplying, fitting, fixing and handing over the garden benches (Victoria Bench - Product Code) or equivalent as specified in the drawings of make ARIHANT or equivalent acceptable to engineer -in - chief, with prior approval, fully complete at site with all accessories, labours, power supply etc.							
	45 bench	45					45.000	
	Total Quantity						45.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						45.000 each	
	Say 45.000 each @ Rs 17422.50 / each						Rs 784012.50	
8	50.6.1.1 Solid block masonry using pre cast solid blocks (factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 part 1 of 1979 for foundation and plinth with thickness 20 cm and above in: CM 1:6 (1 cement : 6 coarse sand) etc complete							
	For tress							
	Ch 0 - Ch 320 RB	20	4.250	0.350	0.750		22.313	
	Ch 0 - Ch 320 LB	20	4.250	0.350	0.750		22.313	
	Ch 320 - Ch 900 LB	30	4.250	0.350	0.750		33.469	
	Ch 900 - Ch 1272 LB	20	4.250	0.350	0.750		22.313	
	Ch 1284 - Ch 1492 RB	20	4.250	0.350	0.750		22.313	
	Ch 1582 - Ch 1785 LB	15	4.250	0.350	0.750		16.735	
	Ch 1785- Ch 2170 RB	20	4.250	0.350	0.750		22.313	
	Ch 1785- Ch 2170 LB	20	4.250	0.350	0.750		22.313	
	Total Quantity						184.082 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						184.082 cum	
	Say 184.082 cum @ Rs 5199.39 / cum						Rs 957114.11	
9	50.6.1.7 Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 15 cm in : CM 1:6 (1 cement : 6 coarse sand) etc complete							
	for shirubs							
	long	45*2	1.200	0.150	0.300		4.860	
	short	45*2	0.300	0.150	0.300		1.215	
	for walkway 4m wide	1	700.000	0.150	0.300		31.500	
	Total Quantity						37.575 cum	

		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					37.575 cum	
		Say 37.575 cum @ Rs 5382.91 / cum					Rs 202262.84	
10	13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)							
		For tress						
	Ch 0 - Ch 320 RB outside	20	2.5+0.9		0.750		51.000	
	inside	20	3.200		0.750		48.001	
	Ch 0 - Ch 320 LB outside	20	2.5+0.9		0.750		51.000	
	inside	20	3.200		0.750		48.001	
	Ch 320 - Ch 900 LB outside	30	2.5+0.9		0.750		76.500	
	inside	30	3.200		0.750		72.001	
	Ch 900 - Ch 1272 LB outside	20	2.5+0.9		0.750		51.000	
	inside	20	3.200		0.750		48.001	
	Ch 1284 - Ch 1492 RB outside	20	2.5+0.9		0.750		51.000	
	inside	20	3.200		0.750		48.001	
	Ch 1582 - Ch 1785 LB outside	15	2.5+0.9		0.750		38.250	
	inside	15	3.200		0.750		36.001	
	Ch 1785- Ch 2170 RB outside	20	2.5+0.9		0.750		51.000	
	inside	20	3.200		0.750		48.001	
	Ch 1785- Ch 2170 LB outside	20	2.5+0.9		0.750		51.000	
	inside	20	3.200		0.750		48.001	
		for shirubs						
	long	45*2	2*(1.2+0.6)		0.300		97.200	
	short	45*2	2*(0.9+0.3)		0.300		64.800	

	top	45*2	2*(1.2+0.3)		0.150		40.500		
	for walkway 4m wide	1	700.000		0.300		210.000		
	top	1	700.000		0.150		105.000		
	Total Quantity							1334.258 sqm	
	Total Deducted Quantity							0.000 sqm	
	Net Total Quantity							1334.258 sqm	
	Say 1334.258 sqm @ Rs 241.94 / sqm							Rs 322810.38	
11	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								
	For tress								
	Ch 0 - Ch 320 RB outside	20	3.200		0.750		48.001		
	Ch 0 - Ch 320 LB outside	20	3.200		0.750		48.001		
	Ch 320 - Ch 900 LB outside	30	3.200		0.750		72.001		
	Ch 900 - Ch 1272 LB out side	20	3.200		0.750		48.001		
	Ch 1284 - Ch 1492 RB outside	20	3.200		0.750		48.001		
	Ch 1582 - Ch 1785 LB outside	15	3.200		0.750		36.001		
	Ch 1785- Ch 2170 RB outside	20	3.200		0.750		48.001		
	Ch 1785- Ch 2170 LB outside	20	3.200		0.750		48.001		
	for shirubs								
	External all-round	45*2	2*(1.2+0.6)		0.300		97.200		
	top	45*2	2*(1.2+0.3)		0.150		40.500		
	for walkway 4m wide	1	700.000		0.300		210.000		
	top	1	700.000		0.150		105.000		
	Total Quantity							848.708 sqm	

		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					848.708 sqm	
		Say 848.708 sqm @ Rs 138.42 / sqm					Rs 117478.16	
12	2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. 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.							
		For tress						
	Ch 0 - Ch 320 RB	20	0.635+0.4 05		0.500		10.400	
	Ch 0 - Ch 320 LB	20	0.635+0.4 05		0.500		10.400	
	Ch 320 - Ch 900 LB	30	0.635+0.4 05		0.500		15.601	
	Ch 900 - Ch 1272 LB	20	0.635+0.4 05		0.500		10.400	
	Ch 1284 - Ch 1492 RB	20	0.635+0.4 05		0.500		10.400	
	Ch 1582 - Ch 1785 LB	15	0.635+0.4 05		0.500		7.801	
	Ch 1785- Ch 2170 RB	20	0.635+0.4 05		0.500		10.400	
	Ch 1785- Ch 2170 LB	20	0.635+0.4 05		0.500		10.400	
		for shirubs						
		45*2	0.900	0.300	0.150		3.645	
	for 4m wide walkway	1	700.000	0.600	0.150		63.000	
		Total Quantity					152.447 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					152.447 cum	
		Say 152.447 cum @ Rs 175.91 / cum					Rs 26816.95	
13	8.12 Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-charge.a. Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.							

		For tress							
	Ch 0 - Ch 320 RB	20	2.500	0.350			17.500		
	Ch 0 - Ch 320 LB	20	2.500	0.350			17.500		
	Ch 320 - Ch 900 LB	30	2.500	0.350			26.250		
	Ch 900 - Ch 1272 LB	20	2.500	0.350			17.500		
	Ch 1284 - Ch 1492 RB	20	2.500	0.350			17.500		
	Ch 1582 - Ch 1785 LB	15	2.500	0.350			13.125		
	Ch 1785- Ch 2170 RB	20	2.500	0.350			17.500		
	Ch 1785- Ch 2170 LB	20	2.500	0.350			17.500		
pargola									
	granite coping	8*4	0.500	0.500			8.000		
Total Quantity							152.375 sqm		
Total Deducted Quantity							0.000 sqm		
Net Total Quantity							152.375 sqm		
Say 152.375 sqm @ Rs 4039.88 / sqm							Rs 615576.72		
14	10.16.1 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes								
pargola									
	vertical section 150 x150 x 8 mm	8*4	2.65+.2			34.38	3135.456		
	longitudinal section 150 x 150x 8 mm	8*2	2.5+.5+.5			34.38	1925.281		
	transverse section 150 x 100 x 5 mm	8*6	2.5+.5+.5			18.7	3141.600		
Total Quantity							8202.337 kg		
Total Deducted Quantity							0.000 kg		
Net Total Quantity							8202.337 kg		
Say 8202.337 kg @ Rs 126.25 / kg							Rs 1035545.05		
15	13.52.1 Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On steel work								
pargola									

	vertical section 150 x150 x 8 mm	8*4	2*(.15+.15)		2.65+0.2		54.720		
	longitudinal section 150 x 150x 8 mm	8*2	2*(.15+.15)		2.5+.5+.5		33.600		
	transverse section 150 x 100 x 5 mm	8*6	2*(0.15+.10)		2.5+.5+.5		84.000		
	Total Quantity							172.320 sqm	
	Total Deducted Quantity							0.000 sqm	
	Net Total Quantity							172.320 sqm	
	Say 172.320 sqm @ Rs 171.37 / sqm							Rs 29530.48	
16	od242751/2020_2021 Supplying and planting of Hedge Plants approved by Engineer-in-charge at required spacing as shown in drawing. Rate shall include cost of plants soil work, manure and fertilizers used in top dressing, chemical and mechanical pest control, replacement of dead trees and for providing a pit sizes 50x50x70 cm , staking and maintaining the planting till it is handed over from the date of planting labour charges, pest control operating etc. (15)neem (1.2 m to 1.5m height)								
	For tress								
	Ch 1582 - Ch 1785 LB	15					15.000		
	Ch 1785- Ch 2170 LB & RB	20					20.000		
	Total Quantity							35.000 each	
	Total Deducted Quantity							0.000 each	
	Net Total Quantity							35.000 each	
	Say 35.000 each @ Rs 434.95 / each							Rs 15223.25	
17	od242752/2020_2021 Supplying and planting of trees approved by Engineer-in-charge at required spacing as shown in drawing. Rate shall include cost of plants soil work, manure and fertilizers used in top dressing, chemical and mechanical pest control, replacement of dead trees and for providing a pit sizes 50x50x70 cm taking and maintaining the planting till it is handed over from the date of planting labour charges, pest control operating etc. (12)cassia fistula (1.2 m to1.5 m height)								
	For tress								
	Ch 1785 - Ch 2170 RB & LB	20					20.000		
	Ch 1492 - Ch 1284 RB	5					5.000		
	Ch 320 - Ch 900 LB	20					20.000		
	Total Quantity							45.000 each	

	Total Deducted Quantity						0.000 each	
	Net Total Quantity						45.000 each	
	Say 45.000 each @ Rs 353.65 / each						Rs 15914.25	
18	od242753/2020_2021 Supplying and planting of trees approved by Engineer-in-charge to a specified locations as shown in drawing. Rate shall include Cost of plants, soil work inclusive of red soil, sand and manure mix staking and planting of trees sapling, replacement of dead trees and for providing a pit size 50 x 50x 70 cm and maintenance till the completion of project work.(4)Red Palms (1.2 m to1.5m Height.)							
	For tress							
	Ch 0 - Ch 320 RB & LB	20					20.000	
	Total Quantity						20.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						20.000 each	
	Say 20.000 each @ Rs 899.55 / each						Rs 17991.00	
19	od242755/2020_2021 Supplying and planting of trees approved by Engineer-in-charge to a specified locations as shown in drawing. Rate shall include Cost of plants, soil work inclusive of red soil, sand and manure mix staking and planting of trees sapling, replacement of dead trees and for providing a pit size 50 x 50 x 70 cm and maintenance till the completion of project work.(1).Plumeria Alba white(2.0m to 2.5m)							
	For tress							
	Ch 0 - Ch 320 RB & LB	20					20.000	
	Total Quantity						20.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						20.000 each	
	Say 20.000 each @ Rs 2996.06 / each						Rs 59921.20	
20	od245318/2020_2021 Supplying and planting of trees approved by Engineer-in-charge to a specified locations as shown in drawing. Rate shall include cost of plants soil work, manure and fertilizers used in top dressing, chemical and mechanical pest control, replacement of dead trees and for providing a pit sizes 50x50x70 cm and maintaining the planting till it is handed over from the date of planting labour charges, pest control operating etc. (9)Oleander tall pink(1.2 m to 1.5 m height)							
	Ch 320 - Ch 1272 LB	25					25.000	
	Total Quantity						25.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						25.000 each	

	Say 25.000 each @ Rs 376.88 / each							Rs 9422.00
21	od245319/2020_2021 Supplying and planting of trees approved by Engineer-in-charge to a specified locations as shown in drawing. Rate shall include cost of plants soil work, manure and fertilizers used in top dressing, chemical and mechanical pest control, replacement of dead trees and for providing a pit sizes 50x50x70 cm, staking and maintaining the planting till it is handed over from the date of planting labour charges, pest control operating etc. (17)Indian blackberry or Jamun (1.2 m to 1.5 m height)							
	Ch 320 - Ch 1272 LB	25					25.000	
	Ch 1284- Ch 1492 RB	15					15.000	
	Total Quantity							40.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							40.000 each
	Say 40.000 each @ Rs 434.95 / each							Rs 17398.00
22	od244526/2020_2021 Supplying and planting of shrubs approved by Engineer-in at specified location. Rate shall include cost of plants soil work,manure and fertilizers used in top dressing, chemical and machanical pest control, staking and maintaining the planting till it is handed over from the date of planting labour charges, pest control operating etc. (13)Tabernaemontana green							
		15*2*3					90.000	
	for walk ways							
		250					250.000	
	Total Quantity							340.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							340.000 each
	Say 340.000 each @ Rs 185.63 / each							Rs 63114.20
23	od245315/2020_2021 Supplying and planting of shrubs approved by Engineer-in at specified ground cover at required spacing. Rate shall include cost of plants soil work, manure and fertilizers used in top dressing, chemical and mechanical pest control, staking and maintaining the planting till it is handed over from the date of planting from the date of planting operating etc.(1)Rhoeo							
		10*2*3					60.000	
	for walk ways							
		250					250.000	
	Total Quantity							310.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							310.000 each
	Say 310.000 each @ Rs 162.40 / each							Rs 50344.00

24	od245317/2020_2021 Supplying and planting of shrubs approved by Engineer-in at specified ground cover at required spacing. Rate shall include cost of plants soil work, manure and fertilizers used in top dressing, chemical and mechanical pest control, staking and maintaining the planting till it is handed over from the date of planting from the date of planting operating etc.(2)Lily (orange or white)							
		10*2*3					60.000	
	for walk ways							
		250					250.000	
	Total Quantity						310.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						310.000 each	
	Say 310.000 each @ Rs 162.40 / each						Rs 50344.00	
25	od244529/2020_2021 Supplying and planting of shrubs approved by Engineer-in at specified ground cover at required spacing. Rate shall include cost of plants soil work,manure and fertilizers used in top dressing, chemical and machanical pest control, staking and maintaining the planting till it is handed over from the date of planting labour charges, pest control operating etc. (1)Aglonema							
		10*2*3					60.000	
	for walk ways							
		250					250.000	
	Total Quantity						310.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						310.000 each	
	Say 310.000 each @ Rs 179.82 / each						Rs 55744.20	
26	od258564/2020_2021 Supplying and planting of creepers approved by Engineer-in at specified ground cover at required spacing. Rate shall include cost of plants soil work, manure and fertilizers used in top dressing, chemical and mechanical pest control, staking and maintaining the planting till it is handed over from the date of planting labour charges, pest control operating etc. Tubergia/Alameda/ Jasmin/Butterfly Pea							
		8*4					32.000	
	Total Quantity						32.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						32.000 each	
	Say 32.000 each @ Rs 179.82 / each						Rs 5754.24	
27	od246946/2020_2021 supplying and laying the paspullam over the leveled and prepared surface.the rate shall include the cost of grass mat input manure and fertilizers used periodically for top dressing ,chemical and mechanical							

	pest control and all post planting maintenance procedure complete till the completion of project							
	1)Buffallo grass							
	Tree surroundings							
		165	1.000	1.000			165.000	
	for 4m wide walkway	1	700.000	0.600			420.000	
	Total Quantity						585.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						585.000 sqm	
	Say 585.000 sqm @ Rs 152.59 / sqm						Rs 89265.15	
28	od249385/2020_2021 Supplying SS Dustbins(3 Bins in each set) Double Cylinder (Duo) made of 18 gauge, SS-202 grade stainless steel hairline finish of size width 400 mm external dia., length 750 mm and height 750 mm with 2 nos. 300 mm diameter round openings at top with PU coating and Neoprene gasket ring at bottom. The dustbin should have removable cover and provision for clipping poly bags complete as per design and directions of Engineer in-charge. The dustbin shall display sticker indicating type of garbage and the top shall be finished with approved shade of PU coating as per the instructions of Engineer-incharge inclusive of testing charges if any and transportation to site							
	for both side							
		2*20					40.000	
	Total Quantity						40.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						40.000 each	
	Say 40.000 each @ Rs 11615.00 / each						Rs 464600.00	
29	od265529/2020_2021 Engaging labour for maintaining ,cleaning and watering trees/plants/shrubs/lawn in walkway for a period of 1 years after the completion of beautification work.							
		365					365.000	
	Total Quantity						365.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						365.000 each	
	Say 365.000 each @ Rs 597.93 / each						Rs 218244.45	
30	od273706/2020_2021 Engaging Gardner for trees/plants/shrubs/lawn in walkway for a period of 1 years after the completion of beautification work.							
	for 1 year	12*2					24.000	
	Total Quantity						24.000 each	

							Total Deducted Quantity	0.000 each
							Net Total Quantity	24.000 each
							Say 24.000 each @ Rs 597.93 / each	Rs 14350.32
31	50.18.9.4.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.32 mm dia 10.Kgf/cm2							
		1	2100.000				2100.000	
							Total Quantity	2100.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	2100.000 metre
							Say 2100.000 metre @ Rs 190.17 / metre	Rs 399357.00
32	18.54.2 Providing and fixing PTMT bib cock of approved quality and colour.15 mm nominal bore, 122 mm long, weighing not less than 99 gms							
		20					20.000	
							Total Quantity	20.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	20.000 each
							Say 20.000 each @ Rs 201.37 / each	Rs 4027.40
SI No	Description	No	L	B	D	CF	Quantity	Remark
2 Appendix B: kiosk and toilet								
1	10.16.1 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.Hot finished welded type tubes							
	vert 50x50x3	4*4	2.300				4.39	161.552
	for door ver 50x50x3	4*1	2.100				4.39	36.876
	hor bottom long 50x25x3	4*3	2.000				3.07	73.680
	hor bottom short 50x25x3	4*5	1.200				3.07	73.680
	hor top at 80m ht 50x25x3	4*1	1.000				3.07	12.280
	hor roof long 50x25x3	4*2	2.000				3.07	49.120
	hor roof short 50x25x3	4*5	1.200				3.07	73.680
for doors								

	door vert	4*2	2.100			2.04	34.273	square 25x25x3
	door hort	4*3	0.750			2.04	18.360	
	for counter							
	long 25x25x3	4	2.000			2.04	16.320	25x25x3
	short 25x25x3	4*7	0.600			2.04	34.273	25x25x3
	Roofing area							
		4*2	0.5*1.6*1			28.0	179.201	
		4*2	1/2*(3.2+1 .6)			28.0	537.601	
	for OH water tank							
	Vertical 50x50x3	4*4	2.300			4.39	161.552	
	side & cross	4*8	1.000			3.07	98.240	
	Total Quantity							1560.688 kg
	Total Deducted Quantity							0.000 kg
	Net Total Quantity							1560.688 kg
	Say 1560.688 kg @ Rs 126.25 / kg							Rs 197036.86
2	10.25.1 Item Shifted to head 14 as item 14.74 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete							
	5mm thick plate for plat form	4	2.000	1.200		40.0	384.000	chequered plate
	wall front 2.5mm thk	4	2.000	0.800		21.0	134.400	GI
	wall back 2.5mm thk	4	2.000	2.100		21.0	352.800	GI
	do side 2.5mm thk	4	1.200	2.100		21.0	211.680	GI
	do	4	1.200	0.800		21.0	80.640	GI
	for counter 2.5mm thk	4	2.000	0.600		21.0	100.800	GI
	base plate							
	kiosk	4*4	0.150	0.150		3.0	1.080	
	OH tank	4*4	0.150	0.150		3.0	1.080	
	for OH water tank							
	2.5mm thk plate	4	1.000	1.000		21.0	84.000	
	base plate	4*4	0.150	0.150		3.0	1.080	

		Total Quantity					1351.560 kg	
		Total Deducted Quantity					0.000 kg	
		Net Total Quantity					1351.560 kg	
		Say 1351.560 kg @ Rs 92.05 / kg					Rs 124411.10	
3	10.6.3 Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x0.90 mm M.S. laths with 0.90 mm thick to cover							
		4	2.000	1.300			10.400	
		4	1.200	1.300			6.240	
		Total Quantity					16.640 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					16.640 sqm	
		Say 16.640 sqm @ Rs 2402.68 / sqm					Rs 39980.60	
4	10.7 Providing and fixing ball bearing for rolling shutters.							
		4*2					8.000	
		4*2					8.000	
		Total Quantity					16.000 no	
		Total Deducted Quantity					0.000 no	
		Net Total Quantity					16.000 no	
		Say 16.000 no @ Rs 530.60 / no					Rs 8489.60	
5	9.57.3 Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete.75x47x1.70 mm							
	door	4*3					12.000	
		Total Quantity					12.000 no	
		Total Deducted Quantity					0.000 no	
		Net Total Quantity					12.000 no	
		Say 12.000 no @ Rs 31.55 / no					Rs 378.60	
6	50.9.15.1 Supplying and fixing 200 mm Aluminium aldrops							

	door	4*2					8.000	
	Total Quantity						8.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						8.000 no	
	Say 8.000 no @ Rs 171.25 / no						Rs 1370.00	
7	9.63.4 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:100x10 mm							
		4*4					16.000	
	Total Quantity						16.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						16.000 no	
	Say 16.000 no @ Rs 44.00 / no						Rs 704.00	
8	9.66.1 Providing and fixing ISI marked oxidised M.S. handles conforming to IS : 4992 with necessary screws etc. complete:125 mm							
		4*1					4.000	
	Total Quantity						4.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						4.000 no	
	Say 4.000 no @ Rs 40.01 / no						Rs 160.04	
9	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)							
		4*2	0.5*1.6*1				6.400	
		4*2	1/2*(3.2+1.6)				19.201	
	Total Quantity						25.601 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						25.601 sqm	
	Say 25.601 sqm @ Rs 332.94 / sqm						Rs 8523.60	
10	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).							
		4*4	1.130				18.080	

		4*1	1.600				6.400	
	Total Quantity						24.480 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						24.480 metre	
	Say 24.480 metre @ Rs 73.37 / metre						Rs 1796.10	
11	13.52.1 Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On steel work							
	Roofing area							
		4*2	0.5*1.6*1			0.03	0.192	
		4*2	1/2*(2.3+1.6)			0.03	0.468	
	5mm thick plate for plat form	4*2	2.000	1.200			19.200	chequered plate
	wall front 2.5mm thk	4*1*2	2.000	0.800			12.800	GI
	wall back 2.5mm thk	4*1*2	2.000	2.100			33.600	GI
	do side 2.5mm thk	4*1*2	1.200	2.100			20.160	GI
	do	4*1*2	1.200	0.800			7.680	GI
	for counter 2.5mm thk	4*1*2	2.000	0.600			9.600	GI
	base plate							
	kiosk	4*4*2	0.150	0.150			0.720	
	OH tank	4*4*2	0.150	0.150			0.720	
		4*2	2.000	1.300			20.800	
	vert 50x50x3	4*4	2*(0.5+0.5)		2.300	4.39	323.104	
	for door ver 50x50x3	4*1	2*(0.5+0.5)		2.100	4.39	73.752	
	hor bottom long 50x25x3	4*3	2*(0.5+0.25)		2.000	3.07	110.520	
	hor bottom short 50x25x3	4*5	2*(0.5+0.25)		1.200	3.07	110.520	
	hor top at 80m ht 50x25x3	4*1	2*(0.5+0.25)		2.000	3.07	36.840	
	hor roof long 50x25x3	4*2	2*(0.5+0.25)		2.000	3.07	73.680	

	hor roof short 50x25x3	4*2	2*(0.5+0.25)		1.000	3.07	36.840		
	for doors								
	door vert	4*2	2*(0.25+0.25)		2.100	2.04	34.273	square 25x25x3	
	door hort	4*3	2*(0.25+0.25)		0.750	2.04	18.360		
	for counter								
	long 25x25x3	4	2*(0.25+0.25)		2.000	2.04	16.320	25x25x3	
	short 25x25x3	4*7	2*(0.25+0.25)		0.600	2.04	34.273	25x25x3	
	for OH water tank								
	Vertical 50x50x3	4*4	2*(0.5+0.5)		2.300	4.39	323.104		
	side & cross 50x25x3	4*8	2*(0.5+0.25)		1.000	3.07	147.360		
	Total Quantity							1464.886 sqm	
	Total Deducted Quantity							0.000 sqm	
	Net Total Quantity							1464.886 sqm	
	Say 1464.886 sqm @ Rs 171.37 / sqm							Rs 251037.51	
12	od251884/2020_2021 Supplying and installing Portlet Toilet Western Type (EWC) Lower end cabin (L 1000mm X W1000mm X H 2100mm) including door, Ventilator, Sanitation & plumbing inclusive of testing charges if any and transportation to site P as per the instructions of Engineer-in charge								
		4					4.000		
	Total Quantity							4.000 each	
	Total Deducted Quantity							0.000 each	
	Net Total Quantity							4.000 each	
	Say 4.000 each @ Rs 41814.00 / each							Rs 167256.00	
13	od251885/2020_2021 Supplying and installing Bio Digester Tank with 900LTR capacity over cement concrete bed 1:3:6 (1 cement : 3 fine aggregates : 6 broken stone 40 mm size) which will be paid separately.								
		2					2.000		
	Total Quantity							2.000 each	
	Total Deducted Quantity							0.000 each	

	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 39491.00 / each						Rs 78982.00	
14	od258697/2020_2021 Supplying and installing soak pit for bio digester tank							
	soak pit	2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 3716.80 / each						Rs 7433.60	
15	18.48 Providing and placing on terrace (at all floor levels) polyethylene water storage tank :ISI 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.							
		2*500					1000.000	
	Total Quantity						1000.000 Litre	
	Total Deducted Quantity						0.000 Litre	
	Net Total Quantity						1000.000 Litre	
	Say 1000.000 Litre @ Rs 10.14 / Litre						Rs 10140.00	
16	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 Other Engineering Organisations PRICE							
	for septic tank							
	12 to 25 flush capacity	2	2.500	1.200	1.200		7.200	
	Total Quantity						7.200 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						7.200 cum	
	Say 7.200 cum @ Rs 176.19 / cum						Rs 1268.57	
17	50.18.9.3.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge 25 mm dia 12Kfg/cm2							
		250					250.000	
	Total Quantity						250.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						250.000 metre	

	Say 250.000 metre @ Rs 184.82 / metre						Rs 46205.00	
18	50.18.9.6.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 50 mm dia 10Kgf/cm2							
		50					50.000	
	Total Quantity						50.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						50.000 metre	
	Say 50.000 metre @ Rs 231.54 / metre						Rs 11577.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
3 Appendix c:Providing signage boards in the pathways & Utility shifting								
Lump-Sum Total						Rs 25000.00		
Provision for GST payments (in %) @						12.0%		
Amount reserved for GST payments						963981.69		
Total						8997162.69		
Lumpsum for round off						2837.31		
						TOTAL Rs 9000000.00		
						Rounded Total Rs 90,00,000		
Other Engineering Organisations						Rupees Ninety Lakh Only		

(Cost Index Applied for this estimate is 39.89%)

PRICE