TS Register No: 1711/2019-2020

AS Register No:1799/2019-2020

CHUNGAM(CHAKREPURAKKAL)-KAYALCHIRA PATHWAY DEVELOPMENT AND BOAT LANDING BY THE SIDE OF PUNNAMADA RIVER, At ALAPPUZHA DISTRICT

Detailed Estimate

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

SI No	Description	No	L	В	D	CF	Quantity	Remark	
		1	Appendix	A- WALKW	AY				
1	2.8.1 Earth work in excavati trenches or drains (not ramming of bottoms, li excavated soil as directions)	exceeding	g 1.5 m in v 5 m, includi	vidth or 10 s	sqm on plar ut the exca	n), including	dressing of	f sides ar	
		1	PATHWA	Y SIDE PRO	TECTION				
	FOUNDATION	2	400.000	1.200	0.500		480.000		
		DA	DE		Tota	al Quantity	480.000 cı	um	
		16/45		To	otal Deducte	d Quantity	0.000 cum	l	
				on of 1	Net Tota	al Quantity	480.000 cu	um	
		th on En	Say	480.000 cui	m @ Rs 247	.45 / cum	Rs 118	776.00	
	Coconut Pile - Supplyin strata bellow bed level i @ 90cm c/c zig zag=445nos on one side						2670.000	oug vario	
					Tota	al Quantity	2670.000	metre	
				To	otal Deducte		0.000 metre		
						al Quantity	2670.000 metre		
	Say 2670.000 metre @ Rs 137.79 / metre							Rs 367899.30	
3	60.64.4 Coconut Pile - Driving charges and labour for after pointing the botton	fixing, stag	•		-			-	
	1 0								
	@ 90cm c/c zig zag=445nos on one side	2*445			3.000		2670.000		

				То	tal Deducte		0.000 met	
					Net Tota	al Quantity	2670.000	metre
		10 / metre	Rs 2128257.00					
4	60.7.1 DRY RUBBLE MASOI blasted rubble including labour charges etc. cor	g packing t	o compactne	ess to lines a	and levels co	ost and conv		•
			PATHWA	Y SIDE PRO	TECTION	ı	1	
	FOUNDATION BED	2	400.000	1.200	0.500		480.000	
	SIDE WALL	2	400.000	(1+.625)/2	1.500		975.000	
			0	-@-	Tota	al Quantity	1455.000	cum
			JAN.	То	tal Deducte	d Quantity	0.000 cum)
		-	£.2 1		Net Tota	al Quantity	1455.000	cum
		61	Say 14	455.000 cum	@ Rs 2854	.19 / cum	Rs 415	2846.45
	level with:Cement mort	ar 1:6 (1 c	ement : 6 co					
	TOP RR	ther E	ngineeri 400.000	PATHWAY (.625+.5)/	anisatio		225.000	
	0	ther E	ngineeri	PATHWAY (.625+.5)/ 2	0.500 Tota	al Quantity	225.000 c	
	0	ther E	ngineeri	PATHWAY (.625+.5)/ 2	0.500 Total	al Quantity	225.000 cum	um
	0	ther E	ngineeri 400.000	PATHWAY (.625+.5)/ 2	0.500 Total Deducte Net Total	al Quantity d Quantity al Quantity	225.000 cm 0.000 cum 225.000 cm	um I
6	0	ther E	Say 2	PATHWAY (:625+.5)/ 2 To 225.000 cum	0.500 Total Deducte Net Total @ Rs 5897	al Quantity d Quantity al Quantity 7.62 / cum	225.000 cm 0.000 cum 225.000 cm Rs 132	um um 6964.50 ers, levelin
6	TOP RR 51.2.3 Filling with Quarry Muci	ther E	Say 2	PATHWAY (:625+.5)/ 2 To 225.000 cum	0.500 Total Deducte Net Total @ Rs 5897	al Quantity d Quantity al Quantity 7.62 / cum	225.000 cm 0.000 cum 225.000 cm Rs 132	um um 6964.50 ers, levelin
6	51.2.3 Filling with Quarry Muc Filling up low lying and the top at site and cons	k water logg	Say 2	PATHWAY (:625+.5)/ 2 To 225.000 cum th local mate etc complete	0.500 Total Deducte Net Tota @ Rs 5897 erial/ quarry	al Quantity d Quantity al Quantity 7.62 / cum	225.000 cm 0.000 cum 225.000 cm Rs 132	um um 6964.50 ers, levelin
6	51.2.3 Filling with Quarry Muc Filling up low lying and the top at site and cons PATHWAY FILLING	k water logg solidation b	Say 2 ged areas winder arming, 400.000	PATHWAY (:625+.5)/ 2 To 225.000 cum th local mate etc complete	0.500 Total Deducte Net Total @ Rs 5897 erial/ quarry erial/ quarry 1.500	al Quantity d Quantity al Quantity 7.62 / cum	225.000 cm 0.000 cum 225.000 cm Rs 132 ading in layer value of su 2100.000	um 6964.50 ers, levelin
6	51.2.3 Filling with Quarry Muc Filling up low lying and the top at site and cons PATHWAY FILLING	k water logg solidation b	Say 2 ged areas winder arming, 400.000	PATHWAY (:625+.5)/ 2 To 225.000 cum th local mate etc complete 3.500	0.500 Total Deducte Net Total @ Rs 5897 erial/ quarry erial/ quarry 1.500	al Quantity d Quantity al Quantity 7.62 / cum muck, sprea	225.000 cm 0.000 cum 225.000 cm Rs 132 ading in layer value of su 2100.000 -480.000	um 6964.50 ers, levelir bgrade cum
6	51.2.3 Filling with Quarry Muc Filling up low lying and the top at site and cons PATHWAY FILLING	k water logg solidation b	Say 2 ged areas winder arming, 400.000	PATHWAY (:625+.5)/ 2 To 225.000 cum th local mate etc complete 3.500	0.500 Total Deducte Net Total @ Rs 5897 erial/ quarry e for improvi	al Quantity d Quantity al Quantity 7.62 / cum muck, sprea	225.000 cm 0.000 cum 225.000 cm Rs 132 ading in layer value of su 2100.000 -480.000	um 6964.50 ers, levelin bgrade cum
6	51.2.3 Filling with Quarry Muc Filling up low lying and the top at site and cons PATHWAY FILLING	k water logg solidation b	Say 2 ged areas with a series of the series	PATHWAY (:625+.5)/ 2 To 225.000 cum th local mate etc complete 3.500	0.500 Total Deducte Net Total @ Rs 5897 erial/ quarry e for improvi 1.500 Total stal Deducte Net Total	al Quantity d Quantity al Quantity 7.62 / cum muck, spreading the CBR al Quantity d Quantity al Quantity	225.000 cm 225.000 cm 225.000 cm 225.000 cm Rs 132 ading in layer value of su 2100.000 -480.000 -480.000 1620.000	um 6964.50 ers, levelin bgrade cum

Providing and laying factory made chamfered edge Cement Concrete paver blocksin footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid inrequired colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layerthrough vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweepingextra sand. complete all as per direction of Engineer-in-Charge.80 mm thick C.C. paver block of M-30 grade with approved color design and pattern. **PATHWAY** 1 400.000 3.500 1400.000 **Total Quantity** 1400.000 sqm **Total Deducted Quantity** 0.000 sqm **Net Total Quantity** 1400.000 sqm Rs 1330252.00 Say 1400.000 sqm @ Rs 950.18 / sqm SI No Description No Quantity Remark 2 Appendix B- BOAT LANDING 1 2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil Foundation SP wall foundation DR 0.500 206.250 330.000 1.250 masonry Foundation Rain Shelter 15*4 0.450 0.450 0.600 7.290 **Total Quantity** 213.540 cum **Total Deducted Quantity** 0.000 cum 213.540 cum **Net Total Quantity** Say 213.540 cum @ Rs 247.45 / cum Rs 52840.47 2 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 bed 1 330.000 1.250 0.500 206.250 (1.05 + .66)Super Structure 1 330.000 1.500 423.225 /2 **Total Quantity** 629.475 cum **Total Deducted Quantity** 0.000 cum

					Net Tota	al Quantity	629.475 c	um		
			Say 6	29.475 cum	@ Rs 2854	.19 / cum	Rs 179	6641.25		
3	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with ceme concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plin level with:Cement mortar 1:6 (1 cement : 6 coarse sand)									
		1	330.000	(.66+.5)/2	0.600		114.841			
					Tota	al Quantity	114.841 c	um		
	Total Deducted Quantity 0.000 cum									
					Net Tota	al Quantity	114.841 c	um		
			Say 1	14.841 cum	@ Rs 5897	7.62 / cum	Rs 677	7288.58		
	Filling with Quarry Muck Filling up low lying and the top at site and cons	water logge			· · · · · · · · · · · · · · · · · · ·					
	DEVELOPMENT	(41)	330.000	6.000	1.000	L	1980.000			
	Qnty of excavation	1	213.540				-213.540			
		4	Villa Barri	2018	Tota	al Quantity	1980.000	cum		
	0	ther En	gineeri	ng Or y o	tal Deducte		-213.540	cum		
			\mathbf{g}			al Quantity	1766.460 cum			
5			Say 1	766.460 cui	m @ Rs 893	3.69 / cum	Rs 157	8667.64		
	Providing and laying factory made chamfered edge Cement Concrete paver blocksin footpath, park lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by tab vibratory method using PU mould, laid inrequired colour & pattern over 50mm thick compacted bed sand, compacting andproper embedding/laying of inter locking paver blocks into the sand beddin layerthrough vibratory compaction by using plate vibrator, filling the joints with sand andcutting of paver blocks as per required size and pattern, finishing and sweepingextra sand, complete all as per direction of Engineer-in-Charge.80 mm thick C.C. paver block of M-30 grade with approved color design are pattern.									
		1	330.000	4.000			1320.000			
					Tota	al Quantity	1320.000	sqm		
				To	tal Deducte	d Quantity	0.000 sqm	1		
					Net Tota	al Quantity	1320.000	sqm		
			Say 1	320.000 sqı	m @ Rs 950).18 / sqm	Rs 125	4237.60		
6	4.1.3 Providing and laying in	position ce	ement concr	ete of speci	fied grade ε	excluding th	e cost of ce	ntering ar		

			Found	lation Rain S	Shelter				
		15*4	0.450	0.450	0.600		7.290		
				I	Tota	al Quantity	7.290 cum	1	
				To	tal Deducte	d Quantity	0.000 cum	1	
					Net Tota	al Quantity	7.290 cum	1	
			Sa	y 7.290 cum	@ Rs 8152	2.21 / cum	Rs 59	429.61	
7	50.10.1 Steel work in built up G cutting, hoisting,fixing in and bolted with special	n position a	nd applying	a priming c	_		•		
				Rain Shelte					
	15X3.94X3.2=189.12 m2@15kg/m2	1	189.120	SX		15.0	2836.800		
		18	103	Hand Rails	1 33	1			
	330*1.2= 396m2 @8kg/m2		396.000			8.0	3168.000		
			No.	SPE P	Tota	al Quantity	6004.800	kg	
	O	ther En	ngineeri	ng Org	tal Deducte	d Quantity	0.000 kg		
					Net Tota	al Quantity	6004.800	kg	
	J		S	ay 6004.800	kg @ Rs 1	48.92 / kg	Rs 894	234.82	
8	12.48 Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approvisize and as per approved pattern on steel frame work complete (steel frame work to be paid separate								
				Rain Shelter	r				
							400 400		
		15	3.940	3.200	Tata	10	189.120		
		15		3.200		al Quantity	189.120 s		
		15		3.200	tal Deducte	d Quantity	189.120 s	1	
		15	3.940	3.200 To	otal Deducte Net Tota	d Quantity	189.120 s 0.000 sqm 189.120 s	n qm	
9	12.49 Providing & laying on r	oof pressec	3.940 Say d clay tile ric	3.200 To 189.120 sqi	Net Tota Met Tota m @ Rs 353 llore tile) of	d Quantity al Quantity 3.93 / sqm 20 mm thic	189.120 s 0.000 sqm 189.120 s Rs 66	qm 935.24	
9	12.49 Providing & laying on r	oof pressec	3.940 Say d clay tile ridlete (steel fi	3.200 To 189.120 sqi	Net Total Met Total m @ Rs 353 llore tile) of o be paid se	d Quantity al Quantity 3.93 / sqm 20 mm thic	189.120 s 0.000 sqm 189.120 s Rs 66	qm 935.24	

					Total Quantity	48.000 metre
				To	otal Deducted Quantity	0.000 metre
					Net Total Quantity	48.000 metre
		Rs 3744.00				
10	13.48.1 Finishing with Deluxe manufacturers specifica one coat of special prim	tions:Two	or more co	ats applied		• .
				Roof Tiles	T I	
	Over Mangalore Roof Tiles	15	3.940	3.200		189.120
			//98	\$64\	Total Quantity	189.120 sqm
			6.1	To	otal Deducted Quantity	0.000 sqm
		/	X 3	K W	Net Total Quantity	189.120 sqm
		(k.,	Say	189.120 sq	m @ Rs 147.15 / sqm	Rs 27829.01
	Painting with synthetic emore coats on new work	k	All a	Hand Rails		e an even shade. I
	330*1.2= 396m2	ther E	396.000	ng Org	anisations _{0.5}	198.000
					3.5	130.000
	15X3.94X3.2=189.12 m2	1		in Shelter Ti		94.560
		1	Ra	in Shelter Ti	russ	94.560
		1	Ra		russ 0.5	94.560 292.560 sqm
		1	Ra		0.5 Total Quantity	94.560 292.560 sqm 0.000 sqm
		1	Ra 189.120	To	Total Quantity	94.560 292.560 sqm 0.000 sqm
12		re cast thi	Ra 189.120 Say ree seated F	292.560 sq	Total Quantity total Deducted Quantity Net Total Quantity m @ Rs 116.59 / sqm bench of safe area:	94.560 292.560 sqm 0.000 sqm 292.560 sqm Rs 34109.57
12	m2 od214966/2019_2020 Supplying and fixing pr	re cast thi	Ra 189.120 Say ree seated F	292.560 sq	Total Quantity total Deducted Quantity Net Total Quantity m @ Rs 116.59 / sqm bench of safe area:	94.560 292.560 sqm 0.000 sqm 292.560 sqm Rs 34109.57
12	m2 od214966/2019_2020 Supplying and fixing pr	e cast thi	Ra 189.120 Say ree seated F	292.560 sq	Total Quantity total Deducted Quantity Net Total Quantity m @ Rs 116.59 / sqm bench of safe area:	94.560 292.560 sqm 0.000 sqm 292.560 sqm Rs 34109.57
12	m2 od214966/2019_2020 Supplying and fixing pr	e cast thi	Ra 189.120 Say ree seated F	To 292.560 sq RCC garder abour conv	Total Quantity In the Total Quantity Net Total Quantity Met Total Quantity	94.560 292.560 sqm 0.000 sqm 292.560 sqm Rs 34109.57
12	m2 od214966/2019_2020 Supplying and fixing pr	e cast thi	Ra 189.120 Say ree seated F	To 292.560 sq RCC garder abour conv	Total Quantity Net Total Quantity Met Total Quantity Met Total Quantity Met Total Quantity Total Quantity Total Quantity	94.560 292.560 sqm 0.000 sqm 292.560 sqm Rs 34109.57 length 1.5 15.000 15.000 each

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	complete. br>Details co	st of sap	ling and plar	ntation for	100 nos (B	ased on act	tual observa	tion)		
		520					520.000			
					Tota	al Quantity	520.000 e	ach		
				To	otal Deducte	d Quantity	0.000 eac	h		
		Net Total Quantity 520.000 eac								
			Say 5	20.000 eac	h @ Rs 883	.84 / each	Rs 459	9596.80		
SI No	Description	No	L	В	D	CF	Quantity	Rema		
	3	3 Append	lix C- Pile an	d Slab Ret	aining Wall					
	Pre-cast RCC piles 8.3 20mm.nominal size brok cost of reinforcement, ca	en stone	including all	cost of form	n work, wate	ring, curing	etc.complet	•		
	N o o f piles=(330/1.8)+1=184 add 5% extra for bends	193	0.300	0.300	8.250	٤	143.303			
	Do pointed end	193	0.300/3	0.300	0.300		1.737			
			Deuc	ction for Gro	oves		•			
	Ot	her E1 193*2	2.550	ng Org 0.090	anisatic 0.075	ns	-6.644			
					Tota	al Quantity	145.040 c	um		
				To	otal Deducte	1	-6.644 cui	m		
	Net Total Quantity 138.396 cum									
	Say 138.396 cum @ Rs 12409.67 / cum									
2	Say 138.396 cum @ Rs 12409.67 / cum									
_	Precast Reinforced Ce	ement Co	oncrete slab	s required	I size in ce	ement cond	rete 1:1.5:	3 by us		
	20mm.nominal size broken stone including all cost of form work, watering, curing etc.complete by casti									
	at contractor's own yard			-		tne cost of r		nt.		
		192*3	1.650	0.080	0.750		57.024			
					Tota	al Quantity	57.024 cu	m		
				To	otal Deducte	d Quantity	0.000 cun	า		
					Net Tota	al Quantity	57.024 cu	m		
	1					1.32 / cum	Rs 590			

	Pile	1	138.396			120.0	16607.520	
	Slab	1	57.084			100.0	5708.401	
	Tie beam, Anchor beam & Anchor block	1	84.008			110.0	9240.880	
					Tota	al Quantity	31556.801	kilogram
				To	tal Deducte	d Quantity	0.000 kilo	gram
					Net Tota	al Quantity	31556.801	kilogram
		Sa	ay 31556.80°	1 kilogram @	2 Rs 84.17	/ kilogram	Rs 265	6135.94
4	od215409/2019_2020 Conveying precast R including hire charges	•			J	•	e of casting	to the site
		193	JAN				193.000	
			E. 2 1		Tota	al Quantity	193.000 e	ach
		6,0	K B	To	tal Deducte	d Quantity	0.000 eac	h
		18	1		Net Tota	al Quantity	193.000 e	ach
			Say 1	93.000 each	n @ Rs 492.	.96 / each	Rs 95	141.28
5	od215644/2019_2020 Lifting, handling, hoisti strata from the bed lev	el till refus	al of monke	y weighing	not less tha	n 2 ton wit	h the aid of	pile driving
5	Lifting, handling, hoisti	el till refus	al of monke	y weighing	not less tha	n 2 ton wit	h the aid of	pile driving
5	Lifting, handling, hoisti strata from the bed lev plant winches, barge	rel till refusion	al of monke	y weighing	not less that including 6.000	n 2 ton wit	h the aid of ricant oil, p	pile driving ay of staf
5	Lifting, handling, hoisti strata from the bed lev plant winches, barge	rel till refusion	al of monke	y weighing re rope etc	not less that including 6.000	n 2 ton with labour, lubing a labour, lubing a labour, lubing a labour lubing	the aid of ricant oil, p	pile driving ay of staf
5	Lifting, handling, hoisti strata from the bed lev plant winches, barge	rel till refusion	al of monke	y weighing re rope etc	not less that including 6.000 Total deducte	n 2 ton with labour, lubing a labour, lubing a labour, lubing a labour lubing	the aid of ricant oil, p	pile driving ay of staf metre
5	Lifting, handling, hoisti strata from the bed lev plant winches, barge	rel till refusion	al of monke ssories, win	y weighing re rope etc	not less that including 6.000 Total deducte	an 2 ton with labour, lubing al Quantity d Quantity al Quantity	1158.000 0.000 met	pile driving ay of staf
6	Lifting, handling, hoisti strata from the bed lev plant winches, barge	and access 193	Say 1158	y weighing re rope etc To 3.000 metre	6.000 Total Deducte Net Total @ Rs 854.2	an 2 ton with labour, lubinal Quantity d Quantity al Quantity 28 / metre	1158.000 1158.000 0.000 met 1158.000 Rs 989	metre metre 256.24
	Lifting, handling, hoisti strata from the bed lev plant winches, barge etc.complete. od218146/2019_2020 Chipping and removing remaining portion and removed the strategy of t	and access 193	Say 1158	y weighing re rope etc To 3.000 metre	6.000 Total Deducte Net Total @ Rs 854.2	an 2 ton with labour, lubinal Quantity d Quantity al Quantity 28 / metre	1158.000 1158.000 0.000 met 1158.000 Rs 989	metre metre 256.24
	Lifting, handling, hoisti strata from the bed lev plant winches, barge etc.complete. od218146/2019_2020 Chipping and removing remaining portion and removed the strategy of t	and acce and acce 193	Say 1158 f the R.C.C. e debris up t	y weighing re rope etc To 3.000 metre piles to line to distance co	6.000 Total Deducte Net Total @ Rs 854.2 es and level of 150m stace 0.300	an 2 ton with labour, lubinal Quantity d Quantity al Quantity 28 / metre	h the aid of ricant oil, p 1158.000 1158.000 0.000 met 1158.000 Rs 989 with out da mplete, spec	metre metre 256.24 maging the cification as
	Lifting, handling, hoisti strata from the bed lev plant winches, barge etc.complete. od218146/2019_2020 Chipping and removing remaining portion and removed the strategy of t	and acce and acce 193	Say 1158 f the R.C.C. e debris up t	To 3.000 metre piles to line to distance of 0.300	6.000 Total Deducte Net Total @ Rs 854.2 es and level of 150m stace 0.300	an 2 ton with labour, lubinal Quantity d Quantity al Quantity 28 / metre descarefully cking etc co	1158.000 1158.000 0.000 met 1158.000 Rs 989 with out da mplete. spec	metre metre 256.24 maging the cification as
	Lifting, handling, hoisti strata from the bed lev plant winches, barge etc.complete. od218146/2019_2020 Chipping and removing remaining portion and removed the strategy of t	and acce and acce 193	Say 1158 f the R.C.C. e debris up t	To 3.000 metre piles to line to distance of 0.300	not less that including 6.000 Total Deducte Net Total @ Rs 854.2 es and level of 150m stace 0.300 Total Deducte	an 2 ton with labour, lubinal Quantity d Quantity al Quantity 28 / metre descarefully cking etc co	1158.000 1158.000 0.000 met 1158.000 Rs 989 with out da mplete. spec 5.211 5.211 cum	metre metre metre maging the cification as
	Lifting, handling, hoisti strata from the bed lev plant winches, barge etc.complete. od218146/2019_2020 Chipping and removing remaining portion and removed the strategy of t	and acce and acce 193	Say 1158 f the R.C.C. e debris up t	To 3.000 metre piles to line to distance of 0.300	not less that including 6.000 Total Deducte Net Total @ Rs 854.2 es and level of 150m stace 0.300 Total Deducte	an 2 ton with labour, lubinal Quantity di Quantity 28 / metre dis carefully cking etc contail Quantity di Quantity di Quantity di Quantity al Quantity al Quantity al Quantity	1158.000 1158.000 0.000 met 1158.000 Rs 989 with out da mplete. specensions 5.211 5.211 cum 0.000 cum 5.211 cum	metre metre metre 256.24 maging the cification as

	piles and finishing wi	ith neat ceme	ent on joints	etc complet	e			
		192*3	1.650	0.080	0.750		57.024	
					Tot	al Quantity	57.024 cu	m
				To	otal Deducte	ed Quantity	0.000 cun	า
					Net Tot	al Quantity	57.024 cu	m
			Say	57.024 cum	n @ Rs 985	7.32 / cum	Rs 56	2103.82
8	od218367/2019_2020 Protecting the filled e - 130 as per the direction conveyance and all	earth from see ection from th	ne departme	ntal officers	s at site inc	luding all co		
		1	330.000	1/62	2.750		907.500	
			5.00	11 J.	Tot	al Quantity	907.500 s	qm
		6	J. J	To	otal Deducte	ed Quantity	0.000 sqn	n
			1800	38.36 A	Net Tot	al Quantity	907.500 s	qm
		11/55	Say	907.500 sq	m @ Rs 10	0.72 / sqm	Rs 91	403.40
9	2.8.1 Earth work in excav trenches or drains (ramming of bottoms	not exceeding	g 1.5 m in w	vidth or 10	sqm on pla	n), including	dressing c	f sides a
<i>₹</i>	Earth work in excav trenches or drains (r ramming of bottoms excavated soil as di	not exceeding , lift up to 1.8 rected, withir	g 1.5 m in w 5 m, includir n a lead of 5	vidth or 10 ng getting c 50 m.All kin	sqm on pla out the exca ds of soil	n), including	dressing of dressing of dressing of disposal	f sides a
3	Earth work in excav trenches or drains (r ramming of bottoms excavated soil as di Anchor beams	not exceeding , lift up to 1.8 rected, within	g 1.5 m in w 5 m, includir n a lead of 5 1.500	ridth or 10 mg getting com.All king 0.300	sqm on pla but the exca ds of soil (.3+.7)/2	n), including	dressing cand disposa	f sides a
9	Earth work in excav trenches or drains (r ramming of bottoms excavated soil as di	not exceeding , lift up to 1.8 rected, withir	g 1.5 m in w 5 m, includir n a lead of 5	vidth or 10 ng getting c 50 m.All kin	sqm on pla but the exca ds of soil (.3+.7)/2 1.450	n), including	g dressing cand disposa 21.600 78.300	f sides a
9	Earth work in excav trenches or drains (r ramming of bottoms excavated soil as di Anchor beams	not exceeding , lift up to 1.8 rected, within	g 1.5 m in w 5 m, includir n a lead of 5 1.500	oridth or 10 sing getting com.All king 0.300 0.750	sqm on pla but the exca ds of soil (.3+.7)/2 1.450	n), including avated soil a	dressing cand disposa	f sides and a surp
9	Earth work in excav trenches or drains (r ramming of bottoms excavated soil as di Anchor beams	not exceeding , lift up to 1.8 rected, within	g 1.5 m in w 5 m, includir n a lead of 5 1.500	oridth or 10 sing getting com.All king 0.300 0.750	sqm on pla but the exca ds of soil (.3+.7)/2 1.450 Total Deducte	n), including avated soil a	21.600 78.300 99.900 cu	f sides and a surp
9	Earth work in excav trenches or drains (r ramming of bottoms excavated soil as di Anchor beams	not exceeding , lift up to 1.8 rected, within	g 1.5 m in w 5 m, includin n a lead of 5 1.500 0.750	oridth or 10 and getting control of the control of	sqm on pla but the exca ds of soil (.3+.7)/2 1.450 Total Deducte	n), including avated soil a cal Quantity and Quantity and Quantity	21.600 78.300 99.900 cu	f sides and a surp
10	Earth work in excav trenches or drains (r ramming of bottoms excavated soil as di Anchor beams	not exceeding, lift up to 1.8 rected, within 96 96	g 1.5 m in w 5 m, including a lead of 5 1.500 0.750 Say	vidth or 10 and getting com. All kin 0.300 0.750	sqm on pla out the exca ds of soil (.3+.7)/2 1.450 Total Deducte Net Total m @ Rs 24	n), including avated soil a cal Quantity ed Quantity eal Quantity 7.45 / cum	21.600 78.300 99.900 cu 0.000 cun 99.900 cu	m m 720.26
	Earth work in excave trenches or drains (representation of bottoms excavated soil as displayed and anchor blocks 5.9.5 Centering and shutters	not exceeding, lift up to 1.8 rected, within 96 96	g 1.5 m in w 5 m, including a lead of 5 1.500 0.750 Say	vidth or 10 and getting com. All kin 0.300 0.750	sqm on pla out the exca ds of soil (.3+.7)/2 1.450 Total Deducte Net Total m @ Rs 24	n), including avated soil a cal Quantity ed Quantity eal Quantity 7.45 / cum	21.600 78.300 99.900 cu 0.000 cun 99.900 cu	m m 720.26
	Earth work in excave trenches or drains (representation of bottoms excavated soil as displayed and anchor beams Anchor blocks 5.9.5 Centering and shutter girders bressumers and shutter trenches or drains (representation of bottoms).	not exceeding, lift up to 1.8 rected, within 96 96	g 1.5 m in w 5 m, including a lead of 5 1.500 0.750 Say	y 99.900 cu	sqm on pla but the exca ds of soil (.3+.7)/2 1.450 Tot otal Deducte Net Tot m @ Rs 24 noval of for	n), including avated soil a cal Quantity ed Quantity eal Quantity 7.45 / cum	21.600 78.300 99.900 cu 99.900 cu Rs 24	f sides at I of surpose memory
	Earth work in excave trenches or drains (representation of bottoms excavated soil as displayed and anchor beams Anchor blocks 5.9.5 Centering and shutter girders bressumers and shutter trenches or drains (representation of bottoms).	not exceeding, lift up to 1.8 rected, within 96 96	g 1.5 m in w 5 m, including a lead of 5 1.500 0.750 Say	y 99.900 cu	sqm on pla but the exca ds of soil (.3+.7)/2 1.450 Tot otal Deducte Net Tot m @ Rs 24 noval of for	n), including avated soil a al Quantity al Quantity 7.45 / cum	21.600 78.300 99.900 cu 99.900 cu Rs 24	f sides at I of surpose memory
	Earth work in excave trenches or drains (representation of bottoms excavated soil as displayed and anchor beams Anchor blocks 5.9.5 Centering and shutter girders bressumers and shutter trenches or drains (representation of bottoms).	not exceeding, lift up to 1.8 rected, within 96 96	g 1.5 m in w 5 m, including a lead of 5 1.500 0.750 Say	y 99.900 cu	sqm on pla but the exce ds of soil (.3+.7)/2 1.450 Tot otal Deducte Met Tot m @ Rs 24 noval of for Tot otal Deducte	n), including avated soil a al Quantity al Quantity 7.45 / cum	21.600 78.300 99.900 cu 0.000 cun 99.900 cu Rs 24 s, beams, pl 270.600 s	f sides at I of surpose memory
	Earth work in excave trenches or drains (representation of bottoms excavated soil as displayed and anchor beams Anchor blocks 5.9.5 Centering and shutter girders bressumers and shutter trenches or drains (representation of bottoms).	not exceeding, lift up to 1.8 rected, within 96 96	g 1.5 m in w m, including a lead of 5 1.500 0.750 Say g strutting, ears 330.000	y 99.900 cuetc. and ren	sqm on pla but the exce ds of soil (.3+.7)/2 1.450 Tot otal Deducte Met Tot m @ Rs 24 noval of for Tot otal Deducte	n), including avated soil a avated soil a cal Quantity and Quantity	21.600 78.300 99.900 cu 0.000 cun 99.900 cu Rs 24 s, beams, pl 270.600 s 0.000 sqn 270.600 s	f sides at I of surpose memory

	Abutments, Posts a	ind Struts							
				For Bollards					
		22	0.300		0.600	3.14	12.435		
					Tot	al Quantity	12.435 sq	m	
				To	otal Deducte	ed Quantity	0.000 sqn	1	
					Net Tot	al Quantity	12.435 sq	m	
			Say	/ 12.435 sq	m @ Rs 69	5.74 / sqm	Rs 86	651.53	
12	5.9.1 Centering and shutte columns, etc for mas	•	g strutting, et	c. and remo	oval of form	for:Foundat	tions, footing	gs, base	
	Anchor Block	96*4	0.750		0.750		216.000		
	Anchor beam	96*2	1.500	11 8 W	0.300		86.400		
		619	N B	5 1	Tot	al Quantity	302.400 s	qm	
		18	41576	To	otal Deducte	ed Quantity	0.000 sqn	า	
		102	Line		Net Tot	al Quantity	302.400 s	qm	
	Say 302.400 sqm @ Rs 288.42 / sqm							Rs 87218.21	
13	5.1.2	0.1	DE BOOK	a and					
13	5.1.2 Providing and laying centering, shuttering, sand :3 graded stone	finishing and	specified gra	nde of reinf ent - All wor	orced ceme	ent concrete	e, excluding	the cos	
13	Providing and laying centering, shuttering,	finishing and	specified gra	nde of reinf ent - All wor	orced ceme	ent concrete	e, excluding	the cos	
13	Providing and laying centering, shuttering, sand :3 graded stone	finishing and aggregate 2	specified gra I reinforceme 0 mm nomina	ade of reinf ent - All wor al size	orced ceme k up to plintl	ent concrete	e, excluding :3 (1 cemen	the cos	
13	Providing and laying centering, shuttering, sand :3 graded stone Tie beam for piles	finishing and aggregate 2	specified grad reinforceme mm nomina 330.000	ade of reinf ent - All wor al size 0.300	orced ceme k up to plintl	ent concrete	e, excluding :3 (1 cement	the cos	
13	Providing and laying centering, shuttering, sand :3 graded stone Tie beam for piles Anchor blocks	finishing and aggregate 2	specified grad reinforceme 0 mm nomina 330.000 0.750	ade of reinf ent - All wor al size 0.300 0.750	orced ceme k up to plintl 0.300 0.750	ent concrete	e, excluding :3 (1 cement 29.700 40.500	the cos	
13	Providing and laying centering, shuttering, sand :3 graded stone Tie beam for piles Anchor blocks Anchor beam	finishing and aggregate 2 1 96 96	specified grad reinforceme 0 mm nomina 330.000 0.750 1.500	ade of reinf ent - All wor al size 0.300 0.750 0.300	0.300 0.750 0.600	ent concrete n level:1:1:5	29.700 40.500 12.960	the cos	
13	Providing and laying centering, shuttering, sand :3 graded stone Tie beam for piles Anchor blocks Anchor beam	finishing and aggregate 2 1 96 96	specified grad reinforceme 0 mm nomina 330.000 0.750 1.500	ode of reinfent - All work al size 0.300 0.750 0.300 0.150	0.300 0.750 0.600	al Quantity	29.700 40.500 12.960 0.848	the cos	
13	Providing and laying centering, shuttering, sand :3 graded stone Tie beam for piles Anchor blocks Anchor beam	finishing and aggregate 2 1 96 96	specified grad reinforceme 0 mm nomina 330.000 0.750 1.500	ode of reinfent - All work al size 0.300 0.750 0.300 0.150	0.300 0.750 0.300 0.600 Tot	al Quantity	29.700 40.500 12.960 0.848 84.008 cu	the cos	
13	Providing and laying centering, shuttering, sand :3 graded stone Tie beam for piles Anchor blocks Anchor beam	finishing and aggregate 2 1 96 96	specified grad reinforceme of mm nomina 330.000 0.750 1.500 0.150	ode of reinfent - All work all size 0.300 0.750 0.300 0.150	0.300 0.750 0.300 0.600 Tot	3.14 al Quantity al Quantity	29.700 40.500 12.960 0.848 84.008 cu 84.008 cu	the cos	
13	Providing and laying centering, shuttering, sand :3 graded stone Tie beam for piles Anchor blocks Anchor beam	finishing and aggregate 2 1 96 96 20 in structural string a primin	specified gra I reinforceme 0 mm nomina 330.000 0.750 1.500 0.150 Say	ode of reinfent - All work all size 0.300 0.750 0.300 0.150 To 84.008 cum	0.300 0.750 0.300 0.600 Tototal Deducted Net Tototal @ Rs 9242	3.14 al Quantity al Quantity 2.85 / cum	29.700 40.500 12.960 0.848 84.008 cu 0.000 cum 84.008 cu Rs 776	the cost 1.5	
	Providing and laying centering, shuttering, sand :3 graded stone Tie beam for piles Anchor blocks Anchor beam Bollards od227978/2019_2020 Providing sign board in position and apply	finishing and aggregate 2 1 96 96 20 in structural sying a primin plete. d 1	specified gra I reinforceme 0 mm nomina 330.000 0.750 1.500 0.150 Say	ode of reinfent - All work all size 0.300 0.750 0.300 0.150 To 84.008 cum	0.300 0.750 0.300 0.600 Tototal Deducted Net Tototal @ Rs 9242	3.14 al Quantity al Quantity 2.85 / cum	29.700 40.500 12.960 0.848 84.008 cu 0.000 cum 84.008 cu Rs 776	the cost 1.5	

				То	tal Deducte	d Quantity	0.000 kilo	gram
					Net Tota	al Quantity	109.375 k	ilogram
			Say 109.375	kilogram @	Rs 103.53	kilogram	Rs 11	323.59
SI No	Description	No	L	В	D	CF	Quantity	Remark
		4	4 Appendix	D- Solar Lig	ht			
1	90.15.3.3 Supply installation testil mm top diameter, 130 suitable for wind speed 4 nos fixed in existing R	mm bottor as per IS 8	m diameter f 875 Part III s	thickness 3m single arm bra	nm base pla acket 0.5mt	te dimension including co	ons of 200x	200x12 mm
		20					20.000	
			C	22)\ 	Tota	al Quantity	20.000 ea	ch
			-1	То	tal Deducte	d Quantity	0.000 eac	h
			03	W S	Net Tota	al Quantity	20.000 ea	ch
		11	Say 2	0.000 each @	Rs 20794.	25 / each	Rs 41	5885.00
	lumens having dimense to fit on tubular pole.(3) od224993/2019_2020		April 19 and 19	ing AMC for	two years.	ns al Quantity	20.000 20.000 ea 0.000 eac	ch
						al Quantity	20.000 ea	
			Sav 2	0.000 each @		<u> </u>		5315.80
SI No	Description	No	L	В	D	CF	Quantity	Remark
		5 (Consulancy	Charges @	6%			
	Lu	mp-Sum T	otal			R	s 1630209.	96
			Р	rovision for G	ST paymen	ts (in %) @	18	.0%
			Amount rese	erved for GS	Γ payments		5184067.7	0
					Total		33984443.7	0
				Lumpsum fo	or round off		15556.30	
						т	OTAL Rs 3	4000000.00
						Rounde	d Total Rs	3,40,00,000
								<i>,</i> , ,

(Cost Index Applied for this estimate is 48.71%)

