

SN0	Description	Qty	Unit	Rate by Kalashetra	Amount	Rate justified by CPWD	Amount
40	Providing teak wood hand railing for stair case etc using (instead of SS screw, ms screw used. <i>brmh</i>)	55.12	Rmt	1485	81853	589.31	32483
41	Providing teak wood plank for the stair case (wooden tread) <i>Burrah</i>	11.32	Sqm	5726 (B)	64818 7760758	2442	27643 6638668
GRAND TOTAL (A + B)					29648263		23247998

(Signature)
Assistant Engineer
Chennai Central Sub Division 2/V
CPWD, Besant Nagar, Chennai - 90

(Signature)
Assistant Engineer (P)
Chennai Central Division V
CPWD, Besant Nagar, Chennai - 90

(Signature)
Executive Engineer
Chennai Central Division V
CPWD, Besant Nagar, Chennai - 90

(1)

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SNo	Description	Qty	Unit	Rate by Kalashetra	Amount	Rate justified by CPWD	Amount
24	Fabricating 50 x 50 angles with 50 x 6 mm flat for parapert fin concrete at all balcony railings (tender item rate 119)	914.99	Kg	112	102479	65.05	59520
25	Providing and fixing GI sheet gutter with multiples all around and fix in position	36.09	Rmt	1815	65503	737	26598
26	Marking inside and out side levels survery bill enclosed						
27	Statue pedestal	20	Nos	1000	20000	1000	20000
28	Athistanam work						
28.1	P.C.C. 1:4:8	15.45	Cum	4527	69942	3145.75	48602
28.2	Brick work in CM 1:6	46.36	Cum	6064	281127	3450.75	159977
28.3	Cornice work decorative plastering	2317.8	Rmt	350	811220	367	850622
29	Wooden louver inside auditorium	38.2	Sqm	4679	178738	3634.2	138826
30	Teak wood cost esclation	40.778	L.S	28917	1179177	28917	1179177
31	L band work	102.14	L.S	154	15730	154	15730
32	Providing and fixing 80 x 40 mm thick 2.8 mm tubular section by making pocket for holding and pack with concrete at sill level as directed by Architect	102.14	Rmt	636	64961	636	64961
33	Staircase Hand rail- Vertical tubular section 40 x 40 mmx2.8mm thick handrail	80.84	Rmt	430	34761	146.61	11852
33.1	Staircase Hand rail- Horizontal tubular section 40 x 40 mmx2.8mm thick handrail	195.21	Rmt	321	62662	146.61	28620
34	Providing and fixing 250 mm width and 25 mm thick mm plank over parapert and column cladding including fixing lock joint in wood. <i>banra</i>	20	Sqm	6251	125020	2442	48840
35	Providing and fixing wall ledge on balcony slabs as per Architect instruction for the size 75mm width.	35.78	Rmt	627	22434	627	22434
36	Providing and fixing wall ledge on balcony slabs as per Architect instruction for the size 125mm width.	35.78	Rmt	793	28374	793	28374
37	Providing and fixing HILTI BOLT of 16 mm dia x 165 mm for structural work all etc.	121	Nos	379	45859	379	45859
38	Providing and fixing HILTI BOLT of 12 mm dia x 100 mm for structural work all etc.	506	Nos	75	37950	75	37950
39	Providing wall panelling(louwer) work above the stage opening etc. <i>banra</i>	12.99	Sqm	7919	102868	5433.52	70581

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SNo	Description	Qty	Unit	Rate by Kalashetra	Amount	Rate justified by CPWD	Amount
17.1	Fabricating and erecting angular section steel above the state area as per Drawing given by Architect with 75 x 75 x 5 mm and 50 x 50 x 5 mm section (Rates as per tender item No.119)	3378.5	Kg	112	378393	81.45	275180
17.2	Fabricating and erecting the existing available GI pipe at intermediates of the grid as per drawing.	675	Kg	40	27000	32.3	21803
17.3	Providing and fixing 50 x 50 mm spacing of 3 mm weld mesh over angeles (rates as per teender item No.122)	658.69	Kg	125	82336	69.45	45746
17.4	Prepare surface and apply three coats of enamel paint over one coate of primer (rates as per tender item no.159)	318.14	Sqm	140	44540	86.75	27599
19	Providing and laying in position, specified mix of RCC including compaction and curing complete but excluding centering, shuttering and reinforcement 1:1 1/2 : 3 nominal mix (1.5 m below and upt 1.2 m above G.L) (Refer P.No. MB 2)	77.46	Cum	5411.6	419183	4334.35	335739
20	Providing and fixing 75 mm 6 guage PVC pipe for temporary re routing water line behind the koothambalam (Refer P.No.17 extra work MB 1)	65.55	Rmt	255	16715	257.32	16867
21	Providing and laying besser block masonry work of size: 400 x 200 x200 and cement mortar 1:4 for gallery step work	73.76	Sqm	838	61811	692.8	51101
22	Fabricating and bending toform circular cyclinder for jet nozzles for AC work with 3.2 mm MS.Sheet kept in position	42	Nos	2127.97	89375	2127.97	89375
23	Teak wood louver for bird mesh as per details						
23.1	Wooden louver for bird mesh between the beam gaps and dress gaps with 25 x 50 mm frames and 30 x 20 mm wooden louvers both sides including fixing in position etc	174.37	Sqm	5586	974031	5433.52	947443
23.2	Wooden louver for bird mesh between the beam gaps and dress gaps with 25 x 50 mm frames and 30 x 20 mm wooden louvers single side including fixing in position etc	83.19	Sqm	3964	329765	3152.02	262217
23.3	Wooden louver for bird mesh between the beam gaps and dress gaps with 25 x 50 mm frames and 30 x 20 mm wooden louvers single side including fixing in position etc	22.96	Sqm	3964	91013	3152.02	72370

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SNo	Description	Qty	Unit	Rate by Kalashetra	Amount	Rate justified by CPWD	Amount
7	Prepare surface and fix 50 mm x 50 mm welded mesh of 2.5 mm thick and blow cm1:3 for 40 mm to 50 mm thick with rough course sand with grouting compound by air compressor and guniting equipment.(Refer P.No.8 Extra Work MB 1)	247.24	Sqm	1575	389403	2079.07	514029
8	Stage work for Kalasam fixing area.(Refer P.No.8 extra work MB 1) - 2 areas				30250		✓ 30250
9	Kalasam fixing - 2 Nos.				10895		✓ 10895
10	Crane hire charges and fabricating angular cage with 75 mm x 75 mm existing 1" pipe				79678		✓ 79678
11	Providing scaffolding for AC duct and electrical work.(Refer P.No. 9 Extra work MB1)	2261.3	Sqm	70	158288	142.25	321664
12	Providing and fixing eves board as design as existing flower pattern in 1" thick teak wood plank.(Refer P.No.10 extra work MB 1)	62.58	Rmt	2231	139616	2442	152820
13	Providing and fixing anutone board with silver wood planks all over the shuttering edges including tying with GS wire to embed in the roof concrete.(Anutone Board supplied by client at free of cost)Refer P.10 Extra work MB1)	141.18	Sqm	129	18212	151.5	21389
14	Supply of teak wood for Kalakshetra Foundation carpenter for Kalasam moulding (Refer P.No.11 Extra Work MB 1) 20.000	0.49	Cum	126776	62120	74700	36603
15	Providing and fixing re bar grouting to the existing beams and slab with Hilti chemical for green room area.(Refer P.No. 11 Extra work MB 1)						
15.1	16 mm dia Rod	302	Nos	233	70366	93.13	21699
15.2	20 mm dia Rod	114	Nos	472	53808	116.41	54946
15.3	12 mm dia Rod	595	Nos	149.5	88953	69.85	10443
15.4	10 mm dia rod	296	Nos	113.6	33626	58.21	6613
16	Providing and fixing teak wood cutter in valley area for the roof in 1" plank including nailing all etc.(Refer P. 13 Extra work MB 1) 67.500	43.92	Sqm	4652	204316	2442	107253
17	Fabrication work in stage area						

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
160	Providing three finish coats of water-proof cement colour paint to walls and ceilings, applied evenly to give uniform finish in colour patterns and even shade, including curing, preparation of surface and a coat of matching primer, complete.	285	Sqm	60	17100	76.40	21774
161	Providing three finish coats of dry colour distemper to walls and ceilings applied evenly to give a uniform finish including preparation of surfaces, primer coat of whitening, to give an even shade.	1000	Sqm	80	80000	71.05	71050
				(A)	21887505		16609330

EXTRA ITEMS FOR KOOTHAMBALAM PROJECT

SNo	Description	Qty	Unit	Rate by Kalashetra	Amount	Rate justified by CPWD	Amount
1	Providing and apply 2 coats of Linseed oil for battens and rafter on the roof area. (Refer P.No.6 Extra work MB 1)	3041.7	Sqm	110	334589	40.2	122277
2	Removing and handing over the Kalasam (big) Refer P.No.6 Extra work MB1	2	No	3000	6000	3000	6000
3	Removing and handing over the Kalasam (small) Refer P.No.6 Extra work MB1	1	No	2000	2000	2000	2000
4	Dismantling and removing statue and handing over to the client (Refer P.No.7 extra work MB 1)	54	No	200	10800	200	10800
5	Dismantling the existing name stone on hanling over to the client (Refer P.No.7 extra work MB 1)	2	No	500	1000	500	1000
6	Clearing and carting away the existing debris. (Refer P.No.7 Extra Work MB1)	114	Loads	1200	136800	433.92	49467
6.1	Clearing and carting away the existing debris I unit. (Refer P.No.7 Extra Work MB1)	34	Loads	600	20400	433.92	14753

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
155	Providing and laying colour sand stone slab treads and of steps in a single piece, of uniform thickness, with machine cut edges, laid on a bed of 20 mm thick cement mortar 1:4 (with coarse sand), laying slabs in cement slurry pigmented to match the shade of slabs, grinding, rubbing polishing, complete (length up to 1500 mm) : 25 mm thick : Grey Kotah stone	25	Sqm	800	20000	928.79	23220
156	Providing and laying stone slab in skirting and risers of steps, of uniform thickness with machine cut edges, in profiles laid on a bed of 20 mm thick cement mortar 1:4 with coarse sand including dressing of sides and tops laying slabs in cement slurry pigmented to match the shade of slabs pointing of joints cleaning excess mortar/slurry etc. curing, complete : 25 mm Rough Split Stone : Black Cuddapa stone	15	Sqm	800	12000	880.58	13209
157	Wooden Flooring Providing and laying wood flooring over plain levelled and dried sub floor and hard wood timber frame including tongue and groove jointing system, in patterns including wax polishing the top surface and antitermite treatment and a coat of wooden primer, to the hidden surfaces and fixing with stainless steel screws etc., complete (timber frame shall be paid for separately) : 20 mm thick : 2nd class CP teak wood	125	Sqm	5380	672500	4250.60	531325
158	Paints - Wood and metal surfaces Providing three finish coats of synthetic enamel colour paint, applied evenly and finished to approved texture, including, preparation of surface and a coat of primer, complete : Wooden surfaces with approved primer	850	Sqm	130	110500	86.75	73738
159	Paints - Walls & Ceilings Providing three finish coats of synthetic enamel colour paint, applied evenly and finished to approved texture, including, preparation of surface and a coat of primer, complete : Steel surfaces with zinc chromate primer	350	Sqm	140	49000	86.75	30363

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
151	Providing and laying in situ terrazzo floor in pattern and profile under layer cement concrete 1:2:4 and top layer with colour marble chips in one or more shade laid in cement in proportion 1:2 (1 cement : 2 marble chips by volume), laid in panels /narrow strips (dividing strips to be placed in floor shall be paid separately), cured, rubbed, polished and finished, complete, for : 50 mm thick flooring with under layer 38 mm thick and top layer 12 mm thick : Floor pavings, window sills, copings Medium shade pigment with 50% white and 50% ordinary grey cement	250	Sqm	700	175000	475.60	118900
	Stone flooring						
152	Providing and laying colour sand stone slab flooring, laid in patterns and profiles on a bed of 25 mm average thick cement mortar 1:4 (with coarse sand) to make up a total thickness of 50 mm, including laying slabs in cement slurry, pigmented to match the shade of slabs, grinding, rubbing and polishing complete : 25 mm thick: Grey Kotah stone	50	Sqm	600	30000	928.79	46440
153	Providing and laying colour sand stone slab flooring, laid in patterns and profiles on a bed of 25 mm average thick cement mortar 1:4 (with coarse sand) to make up a total thickness of 50 mm, including laying slabs in cement slurry, pigmented to match the shade of slabs, grinding, rubbing and polishing complete : 25 mm thick: Black Cuddapa stone	10	Sqm	600	6000	880.58	8806
154	Providing and laying colour sand stone slab flooring, laid in patterns and profiles on a bed of 25 mm average thick cement mortar 1:4 (with coarse sand) to make up a total thickness of 50 mm, including laying slabs in cement slurry, pigmented to match the shade of slabs, grinding, rubbing and polishing complete : 18 / 20mm thick : Yellow Jaisalmer stone	20	Sqm	650	13000	990.99	19820

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
147	Providing and laying cement concrete flooring 1:2:4, finished with a floating coat of neat cement including cement slurry, laid in panels, in floors, landing, steps and similar locations, including nosing of steps ,etc. where required, complete : 40 mm thick	750	Sqm	350	262500	262.45	196838
148	CONCRETE FLOORING Providing and laying 40 mm thick red oxide flooring, under layer of 30 mm thick cement concrete 1:2:4 and top layer of 10 mm thick plaster of cement red oxide mix (using 3.5 kg of red oxide of iron per 50 kg of cement) in cement mortar 1:3 with coarse sand finished with a floating coat of neat cement red oxide mix of same proportion, including cement slurry, nosing of steps etc., complete.	850	Sqm	500	425000	475.60	404260
149	CONCRETE FLOORING Add for making chequers in pattern on cement concrete floors, steps, landings, pavements, etc.	150	Sqm	200	30000	27.30	4095
150	Providing and laying red oxide plaster skirting (upto 300 mm height) with top layer of 6mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in cement mortar 1:3 with coarse sand, finished with a floating coat of cement red oxide mix of same proportion, of total thickness : 21 mm, with under layer 15 mm thick cement plaster 1:3 with coarse sand	25	Sqm	250	6250	252.25	6306
	Terrazo flooring						

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
140	Forming 15 mm deep grooves of uniform size in the top layer of washed stone grit plaster in pattern using wooden battens/aluminium channels, nailed to the under layer including removal of wooden battens/aluminium channels, repair to the edges of panels and finishing the groove complete in cement mortar 1:2 (1 cement : 2 silica sand) admixed with colour pigment, of groove widths : 10 mm	160	mtr	50	8000	50.00	8000
	Ceiling, wall acoustical tiles						
141	Providing and fixing ceiling tiles / boards in steel / aluminium / wooden frame work, including filling joints with joint fillers, jointing compounds, tapes, papers, painting of edges of tiles/boards, with two coats of primer, necessary screws where required etc., complete (frame work will be paid for seperately), of sizes : 12.5 mm thick Plaster of paris (gypsum anhydrous) ceiling tiles.	625	Sqm	300	187500	498.87	311794
142	do - do gypsum board 12mm thick.	180	Sqm	500	90000	712.30	128214
143	do - do Plain BWP type phenol formaldehyde synthetic resin bonded pressed particle board sheets conforming to IS 3087.	75	Sqm	700	52500	518.75	38906
	Brick flooring						
144	Providing and laying brick on edge flooring with bricks of class 75 including preparation of sub-base/surface, dressing of ground, if any, to required profiles, cement slurry, etc., complete, in cement mortar using coarse sand, of mix : 1:4	160	Sqm	700	112000	493.85	79016
145	FLOORING Add for brick flooring laid diagonal herring bone bond or other pattern.	160	Sqm	700	112000	493.85	79016
	Concrete flooring						
146	Providing and laying cement concrete flooring 1:2:4, finished with a floating coat of neat cement including cement slurry, laid in panels, in floors, landing, steps and similar locations, including nosing of steps ,etc. where required, complete : 25 mm thick	225	Sqm	250	56250	262.45	59051

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
134	Providing, fabricating and fixing in position selected quality seasoned & chemically treated wood work in frames and sub frames of doors, windows, clerestory windows and other frames, wrought to size & profile with mitred joints, including fixing to supports with threaded expansion bolts / hold fasts or other fixing accessories, complete : 2nd class CP teak wood	2.5	Cum	170000	425000	100279.50	250699
	<u>Finishes</u>						
	Gypsum plaster						
135	Providing and applying plaster of paris 10 mm thick (gypsum anhydrous)	300	Sqm	195	58500	99.70	29910
	Cement plaster						
136	Providing 10 mm thick average plaster to soffits and sides of slabs, beams and other concrete surfaces, etc., in cement mortar 1:4 with fine sand, applied, finished smooth and cured, complete.	200	Sqm	265	53000	128.90	25780
137	Providing 12 mm thick average cement plaster to walls, columns, piers, etc., applied, finished smooth and cured, complete, with mixes : 1:6 with fine sand	150	Sqm	215	32250	138.45	20768
138	Providing 12 mm thick average cement plaster to walls, columns, piers, etc., applied, finished smooth and cured, complete, with mixes : 1:6 with coarse sand	180	Sqm	236	42480	138.45	24921
139	Providing 20 mm thick cement plaster in two coats, under layer 12mm thick cement plaster 1:6 with coarse sand and top layer 8 mm thick cement plaster 1:4 with coarse sand, finished rough with sponge and cured complete including providing grooves on top layer. The size of panel shall not exceed 2 sqm.	250	Sqm	350	87500	185.50	46375

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
	<u>Damp & Waterproofing, Thermal protection</u>						
	Damp proof course						
128	Providing and laying damp-proof course with cement concrete 1:2:4 with graded stone aggregate 12.5 mm nominal size, including side shuttering, compacting etc., complete. 40 mm thick	70	Sqm	300	21000	194.85	13640
	Wall and ceiling insulation						
129	Providing and placing in position over/on vapour barrier and such locations, insulation slab of approved manufacturers, abutting each other closely, including cutting to required sizes/profiles and all incidental work, complete, including applying a bonding base of a coat of blown bitumen @ 1.0 kg/sqm, glass wool/mineral wool/rock wool shall be packed in 100 micron low density polythene film, duly sealed from all sides (frame work shall be paid for separately) : 50 mm thick, fibre-glass (24kg per cum)	625	Sqm	500	312500	406.10	253813
130	WALL OR CEILING INSULATION Add for wrapping glass wool/mineral wool/rock wool in 0.1 mm thick aluminum foil instead of 100 microns thick low density polythene film.	625	Sqm	250	156250	198.15	123844
	Roof tiles						
131	Providing and fixing Mangalore tiles of size 400 x 240 mm, so as to cover an area of 320 x 210 mm, the lap should be not less than 75 mm.	200	Sqm	910	182000	525.97	105194
132	Fixing mangalore tiles of size 400x240mm so as to cover an area of 320x210mm. Te lap should be not less than 75mm. Provide for necessary mortar jointing, chasing in walls, tile cutting, tile wastage etc.	2500	Sqm	350	875000	525.97	1314925
133	Providing and fixing ridge tile and 3 way connector including necessary jointing	115	Rm	225	25875	240.53	27661
	<u>Doors and Windows</u>						
	Wooden frames						

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
	Bird Mesh						
122	Refabricating with existing framework with additional rod welded support and spreading GI welded metal mesh over the frames to shape and size and installing the fabricated units in place between RC fins without gaps.	375	Kg	125	46875	69.45	26044
	<u>Wood work</u>						
	Wood Framing						
123	Providing, fabricating and erecting MS welded built up sections/ frames and applying a primer coat of zinc chromate on duly prepared surfaces, complete : In guard bars, ladders, railings, and similar works.	180	Kg	90	16200	81.45	14661
124	Providing, fabricating and fixing in position selected quality seasoned and chemically treated wood work in frames of false ceilings, partitions, etc., complete : 2nd class Deodar wood.	6.5	Cum	110000	715000	65292.48	424401
125	Providing and fixing wooden frame with 50 mm x 50 mm battens, fixed at 600 mm centre to centre (both ways). Allow for solignum treatment to the timber framework : 2nd class CP teak Wood	225	Sqm	3500	787500	3386.20	761895
	Roof Truss						
126	Providing, fabricating and fixing in position selected quality seasoned and chemically treated wrought wood work in trusses, rafters, runners, posts, struts, wall plates, etc of size and profile in inclined roofs including ancoring to concrete members with holding down bolts, fixing accessories and all incidental works complete. 2nd class CP teakwood	20	Cum	150000	3000000	100279.50	2005590
	Rails and Balusters						
127	Providing and fixing wooden hand rail made out of 55 mm x 75 mm timber and fixed to existing MS plate with S/S screws ,etc. complete : 1st class Burma teak wood	110	mtr	1500	165000	605.09	66560

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
117	Providing random rubble masonry with hard stone with sides of stones, hammer dressed to achieve minimum thicknesses of joints and laid in cement mortar 1:6 with coarse sand, with joints not more than 15 mm thick, joints finished flush/raked to minimum 10 mm depth including necessary scaffolding, complete. Allow for levelling with cement concrete 1:6:12 with coarse sand at plinth/window sill/ceiling level and the like, in : Superstructures, upto 20.0 m above plinth level	45	Cum	2950	132750	3355.15	150982
118	Providing random rubble masonry with hard stone with sides of stones, hammer dressed to achieve minimum thicknesses of joints and laid in cement mortar 1:6 with coarse sand, with joints not more than 15 mm thick, joints finished flush/raked to minimum 10 mm depth including necessary scaffolding, complete. Allow for levelling with cement concrete 1:6:12 with coarse sand at plinth/window sill/ceiling level and the like, in : Basements and the like upto 7.0 m below GL	170	Cum	2750	467500	2817.50	478975
	Metal work						
	Structural steel						
119	BUILT UP SECTION Providing, fabricating and erecting bolted structural steel built up sections, trusses and frames and applying a primer coat of zinc chromate on duly prepared surfaces, complete.	2500	Kg	112	280000	81.45	203625
120	BUILT UP SECTION Providing and applying three finish coats of synthetic enamel paint on steel surfaces, complete.	225	Sqm	110	24750	86.75	19519
	Steel stair						
121	Providing, fabricating and erecting MS welded built up sections/ frames and applying a primer coat of zinc chromate on duly prepared surfaces, complete : In stringers, treads, landings, etc. of staircases including chequered plates wherever required, all complete.	200	Kg	130	26000	69.45	13890

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
113	Add for cutting or chamfering the bricks to required shape in masonry work	120	mtr	400	48000	46.46	5575
114	Providing and making mouldings, cornices & corbels with bricks of class 75 in cement mortar 1:4 with coarse sand (girth to be measured in mm and length in running metres)	350	100 mm/m	350	122500	367.00	128450
115	Providing brick work with bricks of class 75 in half brick thick walls in any shape and profile including curvilinear, laid in cement mortar 1:4 with coarse sand, joints finished flush/raked to 12 mm depth, cured, including scaffolding and flat reinforcement (25 x 3 mm) at every fourth course and embedding the same in adjoining masonry/columns by drilling holes etc complete : Super structure upto 20.0 m above plinth level.	125	Sqm	680	85000	544.70	68088
	Random rubble masonry						
116	Providing random rubble masonry with hard stone with sides of stones, hammer dressed to achieve minimum thicknesses of joints and laid in cement mortar 1:6 with coarse sand, with joints not more than 15 mm thick, joints finished flush/raked to minimum 10 mm depth including necessary scaffolding, complete. Allow for levelling with cement concrete 1:6:12 with coarse sand at plinth/window sill/ceiling level and the like, in : Foundations and plinths, (1.5 m below and upto 1.2 above GL)	75	Cum	2600	195000	2817.50	211313

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
108	Providing and laying lime concrete as per IS 2541 with 40% mortar comprising of 1 lime putty : 1 surkhi : 1 fine sand and 100% graded brick aggregate 40 mm nominal size in foundations, footings and under floor including side forms, complete. Precast - Fins/louvers	12	Cum	3000	36000	4074.20	48890
109	Providing and fixing precast cement concrete in vertical and horizontal fins individually or forming boxes and for louvers and similar, cast, cured, hoisted and fixed in position, setting in cement mortar 1:3 with coarse sand, along with required formwork and finishing smooth and all fixing arrangements complete but excluding the cost of reinforcement. Allow for stacking, curing and handling at all levels above/below GL.	33.5	Cum	10000	335000	5325.80	178414
	<u>Masonry - Brickwork, conventional bricks</u>						
110	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Foundations and plinths (1.5 m below and upto 1.2 m above GL)	85	Cum	4250	361250	3450.75	293314
111	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Superstructures upto 20.0 m above plinth level.	125	Cum	4400	550000	3972.75	496594
112	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Basement, under ground water tank and the like, upto 7.0 m below GL	30	Cum	4250	127500	3450.75	103523

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
104	Providing and laying plain cement concrete 1:3:6 with coarse sand, laid to required thickness (not exceeding 50mm) and slopes, in roof screedings, floor screedings and similar locations, laid in panels not exceeding 4 sqm., consolidated, finished fair and cured complete : Floor screedings	57	Cum	3700	210900	3401.30	193874
	Structural Cooncrete - RCC						
105	Providing and laying in position, specified mix of RCC, including compaction and curing complete but excluding centring, shuttering and reinforcement, 1:2:4 nominal mix : In foundation and plinth (1.5 m below and upto 1.2 m above G.L.)	28	Cum	4500	126000	4190.95	117347
106	Providing and laying in position, specified mix of RCC, including compaction and curing complete but excluding centring, shuttering and reinforcement, 1:2:4 nominal mix : From plinth level to 7.0 m below GL in basement	5	Cum	4700	23500	4190.95	20955
107	Providing and laying in position, specified mix of RCC, including compaction and curing complete but excluding centring, shuttering and reinforcement, 1:2:4 nominal mix : From plinth level upto 20.0 m above in superstructure	125	Cum	4850	606250	4727.80	590975
	Lime Concrete						

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
	Inserts						
98	Providing and fixing wedge expansion type hold / dash fasteners on CC / RCC surface backing including drilling necessary holes and the cost of bolts etc., complete : Fastener with threaded dia. 6 mm	800	Each	50	40000	27.50	22000
99	Providing and fixing wedge expansion type hold / dash fasteners on CC / RCC surface backing including drilling necessary holes and the cost of bolts etc., complete : Fastener with threaded dia. 10 mm	150	Each	75	11250	33.30	4995
	Reinforcement steel						
100	Providing and laying in position TMT (Thermo Mechanically Treated) bar reinforcement in all reinforced concrete works including straightening, cutting, bending, binding with 18 gauge annealed steel wire, complete, of grade : Fe 415	15	Tonne	55000	825000	53850.00	807750
	Plain cement concrete						
101	Providing and laying cement concrete with coarse sand and graded stone aggregate, 40 mm nominal size in foundations, footings and under floors including side forms curring etc., complete, of nominal mix : 1:4:8	40	Cum	3500	140000	3145.75	125830
	Reinforcement steel						
102	Providing and laying cement concrete with fine sand and graded stone aggregate, 40 mm nominal size in foundations, footings and under floors including side forms, curring etc., complete, of nominal mix : 1:4:8	18	Cum	3500	63000	3145.75	56624
103	Providing and laying cement concrete with fine sand and graded stone aggregate, 40 mm nominal size in foundations, footings and under floors including side forms, curring etc., complete, of nominal mix : 1:3:6	15	Cum	3700	55500	3401.30	51020

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
95	Providing and fixing hard wood, planed plank shuttering, tongued and grooved, for exposed concrete surfaces, including strutting, propping, bracing, bolting, wedging, easing, striking, removal etc. complete. Allow for forming drips, throats, grooves, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Soffits and sides of beams, plinth beams, lintels, ties, ribs, pergolas and such other, string courses, cornices, corbels.	10	Sqm	300	3000	262.35	2624
96	Providing and fixing hard wood, planed plank shuttering, tongued and grooved, for exposed concrete surfaces, including strutting, propping, bracing, bolting, wedging, easing, striking, removal etc. complete. Allow for forming drips, throats, grooves, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Soffits and sides of suspended slabs, floor and roof projections, landing slabs, canopies, chajjas, slabs of planting boxes and such other horizontal elements, coffer ribs and slabs.	20	Sqm	400	8000	316.50	6330
97	Providing and fixing hard wood, planed plank shuttering, tongued and grooved, for exposed concrete surfaces, including strutting, propping, bracing, bolting, wedging, easing, striking, removal etc. complete. Allow for forming drips, throats, grooves, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Soffits and sides of waist slabs of stairs, sides of risers and stepped waist slabs, spiral staircases, etc.	8	Sqm	400	3200	316.50	2532

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
92	Providing and fixing centering and shuttering for concrete work (plain and reinforced) in following locations, including strutting, propping, bracing, bolting tie bolt / spring coil / plastic cone, wedging, easing, striking, removal etc, complete. Allow for forming grooves, drips, throats, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Sides of footings of columns and walls and sides of base slabs.	35	Sqm	300	10500	166.05	5812
93	Providing and fixing centering and shuttering for concrete work (plain and reinforced) in following locations, including strutting, propping, bracing, bolting tie bolt / spring coil / plastic cone, wedging, easing, striking, removal etc, complete. Allow for forming grooves, drips, throats, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Foundation beams, floor channels, kerb stones and drain walls.	18	Sqm	300	5400	166.05	2989
94	Providing and fixing hard wood, planed plank shuttering, tongued and grooved, for exposed concrete surfaces, including strutting, propping, bracing, bolting, wedging, easing, striking, removal etc. complete. Allow for forming drips, throats, grooves, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Sides of columns, piers of any shape, size and profile.	10	Sqm	300	3000	354.85	3549

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
87	Providing and fixing MS gratings in lengths of 600 to 1000 mm, fabricated with angle frames and flats at 25 mm centres, Angle 50 x 50 x 5 mm and flat 45 x 5 mm Waterbound Macadam - Subgrade	15	Sqm	3000	45000	3486.28	52294
88	Preparation of subgrade by excavating or filling with available earth to an average of 225 mm depth, dressing to camber, watering and consolidating with road roller of 8-10 t capacity including making good the undulations etc. and disposal of surplus earth / bringing earth from borrow pits within a lead of 50 m, complete.	15	100 Sqm	5500	82500	55.95	839
89	Consolidation of sub-grade with road roller of 8 to 10t capacity including making good the undulations, etc. with earth or quarry spoils, etc. and re-rolling the sub-grade, complete.	15	100 Sqm	3000	45000	337.40	5061
90	Add for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (Proctor density)	10	100 Sqm	2000	20000	8.15	82
	Kerbs & Gutters						
91	Providing and laying M-20 grade precast concrete kerb stones including setting in cement mortar 1:4 with coarse sand and pointing of joints with same mortars, etc. complete of size : 300 x 300 x 150 mm thick	160	mtr	450	72000	363.29	58126
	<u>Concrete Formwork and Accessories</u>						
	<u>Form Work/Centering and shuttering</u>						
	Forms in Place						

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
80	CATCH BASINS OR MANHOLES Add for depth of manholes of size 900 x 800 mm beyond 600 mm	8	mtr	6000	48000	4153.60	33229
81	CATCH BASINS OR MANHOLES Add for depth of manholes of size 1200 x 900 beyond 900 mm	6	mtr	8000	48000	4975.60	29854
82	Providing manhole covers with frames and fixing the same during laying of cement concrete / reinforced cement concrete 1:2:4 mix on top of brick work / in slab, complete, of shape and duty : SFRC conforming to IS:12592, Rectangular, Medium duty 600 x 600 mm (Grade designation MD 10)	15	Each	2500	37500	1134.25	17014
83	CATCH BASINS OR MANHOLES Providing manhole covers with frames and fixing the same during laying of cement concrete / reinforced cement concrete 1:2:4 mix on top of brick work / in slab, complete, of shape and duty : Circular, Medium duty 500 mm dia. (Grade designation MD 10)	3	Each	2000	6000	913.60	2741
84	Providing and fixing foot rests in manholes embedded in 230 x 200 x 100 mm cement concrete blocks 1:3:6 with coarse sand, complete, of : CI weight 4.5 kg	15	Each	350	5250	236.55	3548
85	Drains Constructing 300 mm inside drain width with 230 mm thick brickwork with bricks of class 75 in cement mortar 1:4 with coarse sand over raft or CC base, 25 mm thick CC 1:2:4 at bottom and in filling haunches including 12 mm thick cement plaster 1:3 with coarse sand finished with floating coat of neat cement inside and on exposed surface for drain of average depth : 100 mm	25	mtr	2100	52500	873.82	21846
86	Constructing 300 mm inside drain width with 230 mm thick brickwork with bricks of class 75 in cement mortar 1:4 with coarse sand over raft or CC base, 25 mm thick CC 1:2:4 at bottom and in filling haunches including 12 mm thick cement plaster 1:3 with coarse sand finished with floating coat of neat cement inside and on exposed surface for drain of average depth : 300 mm	15	mtr	2750	41250	1296.46	19447

x

x

x

x

x

x

x

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(12)

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
77	Constructing circular type manhole with class 75 bricks in cement mortar 1:4 with coarse sand, inside plaster 12 mm thick with cement mortar 1:3 with coarse sand, finished with a floating coat of neat cement, foundation concrete 1:3:6 with coarse sand, 150 mm thick cement concrete 1:2:4 on top of masonry including centering, shuttering, making necessary channel in 150 mm thick cement concrete 1:2:4 finished with a floating coat of neat cement, complete, but excluding cost of foot rest and outside plaster, excavation and back filling, complete, of internal size : Add for depth over 910 mm and upto 1670 mm for circular manhole 910 mm dia at bottom and 560 mm dia at top	3	mtr	19000	57000	3567.30	10702
78	Constructing manholes one brick thick with class 75 bricks in cement mortar 1:4 with coarse sand, RCC top slab 150 mm thick with cement concrete 1:2:4 with necessary reinforcement, foundation concrete, 200 mm thick with cement concrete 1:4:8 with coarse sand, 12 mm thick inside plaster with cement mortar 1:3 in coarse sand finished with a floating coat of neat cement, making channels with cement concrete 1:2:4, finished with a floating coat of neat cement, complete, but excluding cost of foot rests and outside plaster, excavation and back filling, complete, of internal size : 900 x 800 x 600 mm deep	12	Each	12000	144000	7959.84	95518
79	Constructing manholes one brick thick with class 75 bricks in cement mortar 1:4 with coarse sand, RCC top slab 150 mm thick with cement concrete 1:2:4 with necessary reinforcement, foundation concrete, 200 mm thick with cement concrete 1:4:8 with coarse sand, 12 mm thick inside plaster with cement mortar 1:3 in coarse sand finished with a floating coat of neat cement, making channels with cement concrete 1:2:4, finished with a floating coat of neat cement, complete, but excluding cost of foot rests and outside plaster, excavation and back filling, complete, of internal size : 1200 x 900 x 900 mm deep	6	Each	20000	120000	10260.10	61561

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
73	Constructing soak pits 2500 mm dia., 3000 mm deep with 450 x 450 mm dry brick honey comb shaft with class 75 bricks, shaft top covered with RCC slab in cement concrete mix 1:2:4, 100 mm thick with reinforcement, portion between honey comb shaft and outer wall, filled with brick bats and brick ballast, covered at the top with 25mm thick stone slabs & earth, SW drain pipes 100 mm dia., 1800 mm long including excavation and disposal of surplus earth in authorized dumps, complete.	8	Each	20000	160000	15363.25	122906
	Catch basins or Manholes						
74	Constructing road gully chambers 450 x 500 x 600 mm deep inside, in one brick thick brick work with bricks of class 75 in cement mortar 1:5 in fine sand, including fixing horizontal grating with frame of size 450 x 500 mm in 150 mm thick cement concrete 1:2:4, foundation concrete 1:5:10, with coarse sand 150 mm thick, inside plaster 12 mm thick with cement mortar 1:3, finished with a floating coat of neat cement, excavation and back filling, complete, with : CI gratings weighing 90 kg.	30	Each	5000	150000	2913.15	87395
75	Constructing road gully chambers 450 x 450 x 775 mm deep inside, in one brick thick brick work with bricks of class 75 in cement mortar 1:5 with fine sand, including fixing 450 x 100mm vertical grating, top RCC slab 75 mm thick in 1:2:4 mix, foundation concrete 150 mm thick in 1:5:10, with coarse sand, inside plaster 12 mm thick with cement mortar 1:3 finished with a floating coat of neat cement, excavation and back filling, complete, with : CI gratings weighing 15.0 kg	12	Each	6500	78000	3401.10	40813
76	910 mm inside dia. at bottom, 560 mm inside dia. at top, 910 mm deep inside, and foundation concrete 225 mm thick	5	Each				

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
71	Constructing septic tanks conforming to IS:2470 with brick work in cement mortar 1:4 with coarse sand. Top slab in RCC 1: 2:4 mix with necessary reinforcement, precast RCC baffle walls, 12 mm thick plaster inside with cement mortar 1:3 with coarse sand, finished with a floating coat of neat cement, flooring with cement concrete 1:2:4, laid to slope, of minimum thickness 100 mm, finished with 12 mm thick cement plaster 1:3 in coarse sand finished with a floating coat of neat cement, outside plaster 15 mm thick with cement mortar 1:5 in fine sand, cast iron tees of required size for inlet and outlet, CI vent pipes 50 mm dia. with mosquito proof nets, and 32 mm dia. brass wheel valves for removal of sludge, including SFRC manhole covers with frames, light duty, 600 x 450 mm size and plastic encapsuled MS foot rests at 300 mm intervals, complete, excluding excavation and refilling for : two year cleaning cycle for: 20 users	1	Each				
72	Constructing septic tanks conforming to IS:2470 with brick work in cement mortar 1:4 with coarse sand. Top slab in RCC 1: 2:4 mix with necessary reinforcement, precast RCC baffle walls, 12 mm thick plaster inside with cement mortar 1:3 with coarse sand, finished with a floating coat of neat cement, flooring with cement concrete 1:2:4, laid to slope, of minimum thickness 100 mm, finished with 12 mm thick cement plaster 1:3 in coarse sand finished with a floating coat of neat cement, outside plaster 15 mm thick with cement mortar 1:5 in fine sand, cast iron tees of required size for inlet and outlet, CI vent pipes 50 mm dia. with mosquito proof nets, and 32 mm dia. brass wheel valves for removal of sludge, including SFRC manhole covers with frames, light duty, 600 x 450 mm size and plastic encapsuled MS foot rests at 300 mm intervals, complete, excluding excavation and refilling for : two year cleaning cycle for: 50 users	1	Each				

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
67	Providing, laying, jointing and testing of glazed stone ware pipes, conforming to IS:651 grade A, and jointing with cement mortar 1:1 with fine sand and tarred gasket of hemp yarn soaked in thick cement slurry, complete, excluding trenching and back filling, of nominal dia.: 100 mm	50	mtr	310	15500	226.05	11303
68	Providing, laying, jointing and testing of glazed stone ware pipes, conforming to IS:651 grade A, and jointing with cement mortar 1:1 with fine sand and tarred gasket of hemp yarn soaked in thick cement slurry, complete, excluding trenching and back filling, of nominal dia.: 150 mm	20	mtr	400	8000	301.35	6027
69	Providing and laying cement concrete 1:5:10 with coarse sand, 150 mm thick all around RCC/ SW pipes including bed concrete, necessary shuttering and curing, complete, for pipes of nominal dia.: 100 mm	10	mtr	270	2700	435.30	4353
70	Providing and laying cement concrete 1:5:10 with coarse sand, 150 mm thick all around RCC/ SW pipes including bed concrete, necessary shuttering and curing, complete, for pipes of nominal dia.: 150 mm	10	mtr	330	3300	532.40	5324
	Septic tank						

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
64	Providing, laying, jointing and testing UPVC pipes, conforming to IS:4985 (6.0 kg/sq.cm.), including injection moulded fittings with bosses e.g. tees, bends, couplings, adapters, etc., and jointing with solvent weld joints, complete, excluding trenching and back filling, of outer dia.: 90 mm	10	mtr	350	3500	323.42	3234
	Chamber, Brick masonry						
65	Constructing brick masonry chambers with class 75 bricks in cement mortar 1:5 with fine sand, RCC top slab 1:2:4 of avg. thickness 150 mm, including reinforcement, excavation, refilling, 100 mm thick foundation concrete 1:5:10 with coarse sand, 12 mm thick inside plastering with cement mortar 1:3 with coarse sand, finished with a floating coat of neat cement, and 15 mm thick outside plastering in cement mortar 1:4 with fine sand, complete with one brick thick wall, of size : 600 x 600 x 750 mm deep inside, with CI surface box 100 mm top dia., 160 mm bottom dia. and 180 mm deep inside, with chained lid.	15	Each	9000	135000	5096.55	76448
66	Constructing brick masonry chambers with class 75 bricks in cement mortar 1:5 with fine sand, RCC top slab 1:2:4 of avg. thickness 150 mm, including reinforcement, excavation, refilling, 100 mm thick foundation concrete 1:5:10 with coarse sand, 12 mm thick inside plastering with cement mortar 1:3 with coarse sand, finished with a floating coat of neat cement, and 15 mm thick outside plastering in cement mortar 1:4 with fine sand, complete with one brick thick wall, of size : 600 x 600 x 750 mm deep inside, with CI surface box 350 x 350 mm and 165 mm deep inside, with chained lid, for fire hydrant.	15	Each	10000	150000	4773.05	71596
	Piping - Drainage & Sewerage						

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
58	Providing, laying, jointing and testing double flanged ductile iron pipes having screwed flanges, conforming to IS:8329, including compressed neoprene washers, galvanised steel fasteners, complete, excluding trenching and back filling, of nominal dia.: 100 mm	40	mtr	1200	48000	713.40	28536
59	Providing, fixing and testing wafer type CI butterfly valves, conforming to IS:13095, PN 1.6, MS hand lever operated with galvanised steel fasteners and 3 mm thick compressed neoprene gaskets, complete, of nominal size : 80 mm	5	Each	1900	9500	2363.27	11816
60	Providing, fixing and testing wafer type CI butterfly valves, conforming to IS:13095, PN 1.6, MS hand lever operated with galvanised steel fasteners and 3 mm thick compressed neoprene gaskets, complete, of nominal size : 100 mm	4	Each	3500	14000	3246.00	12984
61	Providing, laying, jointing and testing UPVC pipes, conforming to IS:4985 (6.0 kg/sq.cm.), including injection moulded fittings with bosses e.g. tees, bends, couplings, adapters, etc., and jointing with solvent weld joints, complete, excluding trenching and back filling, of outer dia.: 40 mm	60	mtr	200	12000	221.56	13294
62	Providing, laying, jointing and testing UPVC pipes, conforming to IS:4985 (6.0 kg/sq.cm.), including injection moulded fittings with bosses e.g. tees, bends, couplings, adapters, etc., and jointing with solvent weld joints, complete, excluding trenching and back filling, of outer dia.: 50 mm	40	mtr	225	9000	247.92	9917
63	Providing, laying, jointing and testing UPVC pipes, conforming to IS:4985 (6.0 kg/sq.cm.), including injection moulded fittings with bosses e.g. tees, bends, couplings, adapters, etc., and jointing with solvent weld joints, complete, excluding trenching and back filling, of outer dia.: 63 mm	25	mtr	260	6500	265.35	6634

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SNo	Description	Tendered cost		Justified by CPWD			
		Qty	Unit	Rate	Amount	Rate	Amount
54	Earth work in excavation, in trenches, in all types of soil, for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m including getting out the excavated earth and then returning the soil as required, in layers not exceeding 200 mm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50 m complete, of pipes, cables of sizes : over 300 mm dia. (minimum width of trench 850 mm)	75	mtr	200	15000	250.20	18765
55	Excavation and Fill EXCAVATING, UTILITY TRENCH Excavating holes up to 0.5 cum including getting out the excavated material, then returning the soil as required in layers not exceeding 200 mm in depth, including consolidating each deposited layer by ramming, watering etc., disposing of surplus excavated material, as directed, within a lead of 50 m and lift upto 1.5 m. complete : All types of soil Termite - Pre treatment	80	Each	200	16000	41.85	3348
56	Providing and injecting chemical emulsions for pre-construction anti-termite treatment and creating continuous chemical barrier under and all around the column pits, wall trenches, basement excavation, top surfaces of plinth filling, junctions of walls and floors, along the external perimeter of buildings, expansion joints, over the top surface of consolidated earth on which plinth protection is to be laid, surrounding of pipes and conduits etc. complete, in accordance with IS:6313 (Part II). (Plinth area of the building at ground level shall only be measured): Using Chloropyriphos Emulsifiable concentrate 0.2%	1150	Sqm	60	69000	93.65	107698
57	Water Distribution Providing, laying, jointing and testing double flanged ductile iron pipes having screwed flanges, conforming to IS:8329, including compressed neoprene washers, galvanised steel fasteners, complete, excluding trenching and back filling, of nominal dia.: 80 mm	205	mtr	1000	205000	655.14	134304

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
51	Earth work in excavation 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 upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated earth as directed, within a lead of 50 m, complete : All types of soil	200	Cum	250	50000	132.20	26440
	Utility Trench						
52	Earth work in excavation, in trenches, in all types of soil, for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m including getting out the excavated earth and then returning the soil as required, in layers not exceeding 200 mm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50 m complete, of pipes, cables of sizes : upto 80 mm dia. (minimum width of trench 450 mm)	230	mtr	150	34500	98.10	22563
53	Earth work in excavation, in trenches, in all types of soil, for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m including getting out the excavated earth and then returning the soil as required, in layers not exceeding 200 mm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50 m complete, of pipes, cables of sizes : over 80 mm dia. and upto 300 mm dia. (minimum width of trench 600 mm)	120	mtr	200	24000	160.25	19230

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
44	Filling available excavated earth (excluding rock) in trenches, plinths, sides of foundations and in adjacent areas to profiles, shapes and levels etc. in layers not exceeding 200 mm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m, complete.	310	Cum	120	37200	75.45	23390
45	Supplying and stacking good earth, free from organics impurities. Bulk Excavation	825	Cum	350	288750	309.74	255536
46	Earth work in rough excavation, in all types of soil, banking excavated earth in layers not exceeding 200 mm in thickness, breaking clods, watering, rolling each layer with 1/2 ton roller, or compacting with wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 ton capacity and dressing up, in embankment for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead up to 50 m and lift up to 1.5 m, complete.	110	Cum	250	27500	276.50	30415
47	Earth work in excavation over areas (exceeding 300 mm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed, complete: All types of soil	250	Cum	285	71250	130.95	32738
48	Add for every additional lift of 1.5 m or part thereof in: All types of Fill	50	Cum	35	1750	35.45	1773
49	Providing and laying 100 mm/150 mm thick (consolidated thickness) hard core fill, under floors, pavings and other locations, with approved hard stones of size 50 mm and down, thoroughly filled with smaller chips, rammed, rolled, watered and consolidated to required levels, complete.	880	Cum	1200	1056000	965.54	849675
50	Providing clean fine sand fill under floors, pavings and similar locations, laid to required depth, compacted by flooding with water, finished to proper levels, complete. Trench	750	Cum	1186	889500	1282.70	962025

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
37	Providing and fixing close timbering including strutting, shoring and packing cavities (wherever required) complete (Measurement to be taken of the face area timbered), Depth not exceeding 1.5 m : in shafts, wells, cesspits, manholes and the like	40	Sqm	30	1200	104.00	4160
38	Add for every 1 m or part thereof of additional depth over an initial depth of 1.5 m, for close timbering : in trenches etc.	30	Sqm	40	1200	109.40	3282
39	Add for every 1 m or part thereof of additional depth over an initial depth of 1.5 m, for close timbering : in shafts, wells, cesspits, man-holes and the like	10	Sqm	40	400	129.45	1295
	Topsoil						
40	Earth work in surface excavation not exceeding 300 mm in depth but exceeding 1.5 m in width as well as 10 sqm on plan, in all types of soil including disposal of excavated earth up to 50 m and lift up to 1.5 m, disposed soil to be leveled and neatly dressed, complete.	225	100 Sqm	2100	472500	3589.05	8075
	Back fill						
41	Banking / Depositing all types of excavated earth in layers not exceeding 200 mm in thickness, breaking clods, watering, rolling each layer with power roller of minimum 8 ton capacity and dressing up to required profiles and levels, in embankment for roads, flood banks, marginal banks, mounds and guide banks etc. and compacting the deposited earth under optimum moisture content to give at least 95% of the maximum dry density, lead up to 50 m and lift up to 1.5 m, complete	325	Cum	140	45500	169.10	54958
42	Deduct for not rolling with power roller of minimum 8 ton capacity for banking excavated earth in layers not exceeding 200 mm in thickness.	160	Cum	-35	-5600	-3.05	-488
43	Deduct for not watering the excavated earth used in banking.	70	Cum	-20	-1400	-12.10	-847

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
29	Dismantling CI / GS / PVC / Asbestos rain water pipes embedded in concrete / brick work with fittings and clamps including dismantling of concrete/brick work etc., stacking the serviceable material and disposal of unserviceable materials up to 50 m lead, of dia: over 150 mm	15	mtr	50	750	103.15	1547
	Clear and Grub						
30	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 300 mm (measured at a height of 1.0 m above GL) and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared, complete.	50	100 Sqm	1000	50000	463.45	23173
31	Felling trees including cutting of trunks and branches, removing the roots, stacking of serviceable materials and disposal of unserviceable materials within a 50 m lead, complete, of girths (measured at a height of 1.0 m above GL.) : over 300 mm and upto 600 mm	40	Each	500	20000	142.75	5710
32	Felling trees including cutting of trunks and branches, removing the roots, stacking of serviceable materials and disposal of unserviceable materials within a 50 m lead, complete, of girths (measured at a height of 1.0 m above GL.) : over 600 mm and upto 1200 mm	12	Each	1000	12000	631.80	7582
33	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared, complete.	20	100 Sqm	1100	22000	239.65	4793
34	Surface dressing of the ground including removing vegetation and inequalities not exceeding 150 mm deep, in all types of soil and disposal of rubbish upto a lead of 50 m, complete.	60	100 Sqm	1100	66000	894.20	53652
	Dewatering						
35	Pumping out water caused by spring, tidal or river seepage, broken water mains or drains and the like.	30	Kl. Ltr.	200	6000	318.05	9542
	Excavation - Close and open timbering						
36	Providing and fixing close timbering including strutting, shoring and packing cavities (wherever required) complete (Measurement to be taken of the face area timbered), Depth not exceeding 1.5 m : in trenches etc.	35	Sqm	30	1050	104.00	3640

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
22	Dismantling dry brick pitching in floors, drains etc, including stacking of serviceable materials and disposal of unserviceable materials within a 50 m lead.	75	Sqm	200	15000	326.80	24510
	Framing demolition						
23	Dismantling woodwork in frames, trusses, purlins and rafters upto a 10 metres span and 5 metres height including stacking the material within a 50 m lead, of sectional areas : upto 4000 sqmm	50	mtr	800	40000	1357.65	67883
24	Dismantling steel work in built up sections at all heights and depths, in angles, tees, flats, channels and tubes including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 m lead.	20	Qtl	5000	100000	65.00	1300
	Partitions Demolition						
25	Dismantling aluminum partitions, doors, windows, fixed glazing and false ceiling and gypsum partitions / false ceiling including stacking of serviceable materials and disposal of unserviceable materials upto a 50 m lead.	100	Sqm	200	20000	17.15	1715
	Rain water Pipes demolition						
26	Dismantling CI / GS / PVC / asbestos exposed rain water pipes with fittings and clamps including stacking the serviceable material and disposal of unserviceable material within a 50 m lead, of dia: upto 80 mm	30	mtr	20	600	19.60	588
27	RAIN WATER PIPES DEMOLITION Dismantling CI / GS / PVC / asbestos exposed rain water pipes with fittings and clamps including stacking the serviceable material and disposal of unserviceable material within a 50 m lead, of dia: over 80 mm and upto 150 mm	45	mtr	40	1800	20.50	923
28	Dismantling CI / GS / PVC / Asbestos rain water pipes embedded in concrete / brick work with fittings and clamps including dismantling of concrete/brick work etc., stacking the serviceable material and disposal of unserviceable materials up to 50 m lead, of dia: upto 80 mm	15	mtr	40	600	42.85	643

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
15	Dismantling / demolishing stone rubble masonry in cement / lime mortar in foundations, super structure and basement at all heights / depths including stacking of serviceable materials and disposal of unserviceable materials upto a 50 m lead.	67	Cum	1300	87100	641.65	42991
16	Ceiling Demolition Dismantling false ceiling, partitions, wall lining, etc supported / fixed to wooden / aluminium / metal frame including dismantling of frame, stacking of serviceable material and disposal of unserviceable material upto a 50 m lead, with : Wooden planks Door / window demolition	10	Sqm	275	2750	17.15	172
17	Taking out door, window and clerestory window shutters (metal or wood) including chowkhats, architrave, holdfast, etc. complete and stacking within a 50 m lead, of areas: upto 3 sqm	34	Each	750	25500	42.95	1460
18	Taking out door, window and clerestory window shutters (metal or wood) including chowkhats, architrave, holdfast, etc. complete and stacking within a 50 m lead, of areas: over 3 sqm	4	Each	1000	4000	56.95	228
19	Dismantling expanded metal or IRC fabrics along with battens and beadings including stacking the serviceable materials within a 50 m lead.	375	Sqm	215	80625	21.05	7894
20	Flooring demolition Dismantling tile work in floors and roofs in cement mortar/lime mortar including stacking of serviceable material and disposal of unserviceable material upto a lead of 50 m, of thickness : 10 mm to 25 mm	900	Sqm	225	202500	22.12	19908
21	Dismantling tile work in floors and roofs in cement mortar/lime mortar including stacking of serviceable material and disposal of unserviceable material upto a lead of 50 m, of thickness : over 25 mm and upto 40 mm	450	Sqm	250	112500	35.65	16043

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
9	Dismantling of fence including supports of MS sections, pipe, wooden or any other material or combination of materials, along with foundations of supports, hooks, bolts etc., excavation of earth including refilling the earth etc., stacking of serviceable materials and disposal of unserviceable materials within 50 m lead : Barbed wire / chain link / expanded metal / concertina wire and the like.	155	Sqm	160	24800	21.05	3263
10	Dismantling of fence including supports of MS sections, pipe, wooden or any other material or combination of materials, along with foundations of supports, hooks, bolts etc., excavation of earth including refilling the earth etc., stacking of serviceable materials and disposal of unserviceable materials within 50 m lead : Wooden batten / boards	50	Sqm	450	22500	21.05	1053
	Selective demolition						
11	Demolishing lime concrete / cement concrete in all mixes, in foundations, super structure and basement, at all heights / depths, including disposal of unserviceable materials upto a 50 m lead.	120	Cum	1250	150000	221.85	26622
12	Demolishing RCC work in foundations, super structure and basement, at all heights / depths, including cutting, straightening scrapping, cleaning and stacking of reinforcement bars and disposal of unserviceable materials upto a 50 m lead.	380	Cum	2500	950000	960.80	365104
13	Demolishing RB work in foundations, super structure and basement, at all heights / depths, including cutting, straightening scrapping, cleaning and stacking of reinforcement bars and disposal of unserviceable materials upto a 50 m lead.	15	Cum	1200	18000	848.00	12720
14	Dismantling / Demolishing brick work in cement / lime mortar in foundations, super structure and basement, at all heights / depths, including removing of mortar, cleaning bricks and stacking of serviceable materials and disposed of unserviceable materials upto 50 m lead	82	Cum	1200	98400	536.60	44001

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KOOOTHAMBALAM PROJECT

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
	<u>SITE PREPARATION</u>						
	Site Demolition						
	External services						
1	Dismantling old CI pipes including excavation, removal of pipes, refilling trenches, breaking lead caulked joints, melting of lead and making lead blocks, stacking and handing over to owner pipes & lead at site, and disposal of unserviceable materials within a lead of 50 m, complete, of nominal di : 80 mm	80	mtr	35	2800	127.45	10196
2	Dismantling of manholes including RCC top slabs, CI/SFRC covers with frames, including stacking of useful materials and disposal of unserviceable materials within a lead of 50 m, complete, of shape and size : Rectangular, 900 x 800 x 450 mm deep	12	Each	750	9000	679.75	8157
3	Add for dismantling additional depth of : Circular manholes, 1220 mm dia., for depth beyond 1680 mm	5	mtr	1500	7500	580.65	2903
4	Add for dismantling additional depth of : Rectangular manholes, 900 x 800 mm, for depth beyond 450 mm	5	mtr	1000	5000	534.20	2671
5	Add for dismantling additional depth of : Rectangular manholes, 1200 x 900 mm, for depth beyond 900 mm	5	mtr	1000	5000	636.20	3181
6	Dismantling galvanised steel pipes (external work) including excavation and refilling trenches after taking out the pipes, including stacking of pipes within a 50 m lead, of nominal bores: 15 mm to 40	30	mtr	50	1500	41.50	1245
7	Dismantling of road including taking out soling, metalling etc, stacking of serviceable materials and disposal of unserviceable materials within a lead of 50 m : Water bound macadam	270	Cum	1060	286200	397.13	107225
8	EXTERNAL SERVICES DEMOLITION Dismantling of dry stone pitching including stacking of serviceable materials and disposal of unserviceable materials within a lead of 50.	50	Cum	1060	53000	302.70	15135

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1. E.E.
2. A.E.
3. D.B.

भारत सरकार
Government of India

केन्द्रीय लोक निर्माण विभाग
Central Public Works Department

विस्तृत प्राक्कलन
DETAILED ESTIMATE

कार्य का नाम
NAME OF WORK

तकनीकी मंजूरी..... रुपये

Technically Sanctioned for Rs.....

प्राक्कलन सं.

Estimate Cost / No. : _____ - _____ / TS / CCDV /

चेन्नै केन्द्रीय मंडल सं - V
Chennai Central Division - V

के. लो. नि. वि., बसंत नगर, चेन्नै— ६०००९०.
CPWD, Besant Nagar, Chennai - 600 090.

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GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
OFFICE OF THE EXECUTIVE ENGINEER,
CHENNAI CENTRAL DIVISION V,
BESANT NAGAR, CHENNAI-600 090
☎ 044-24916022/24460035

No:- 24(28)K/CCD V/14/ 13

Date : 2.1.15

To

✓ The Director,
Kalakshetra Foundation,
Thiruvanmiyur,
Chennai - 41.

Sir,

Sub : Koothambalam Project - award of contracts - justification of rates and award of contract. - reg

**Ref : (i) Yr.lr.No: F.No. 10/2014-15/CPWD/KMBM/KF, dt: 12-11-14
(ii) F. No: 10/2014-15/CPWD/KMBM/KF, dt: 21-11-14**

The detailed comparative statement for the above project is enclosed for your kind information please.

The detailed justified amount as on 2010 works out to Rs. 2,32,47,998/-, which were prevailing from December 2009 to December 2010.

The fee payable to CPWD will be 0.75% of the total justified amount is Rs. 1,74,400/- .

As per the electrical works, regarding sound system, stage lighting / mechanized curtain system etc., the concerned Executive Engineer (E) will submit the justified amount.

Yours faithfully,

Encl: One copy of detailed comparative statement.

[Signature]
02/01/15
(A. Suryanarayanan)
Executive Engineer

Copy to:

- The Chief Engineer, SZI, CPWD, Chennai for information please, with reference to the lr. no: 28(7)15/2014-AdmnII/5436-60, dt: 12-11-2014.
- The Superintending Engineer, CCCII, CPWD, Chennai - 6 for information please.
- The Executive Engineer (E), CCED II, CPWD, Chennai with a request to submit the justified amount to the Kalakshetra authorities in respect of electrical work.

Executive Engineer

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44	100	Staircase Hand rail- Horizontal tubular section 40 x 40 mmx2.8mm thick handrail	195.21	321.00	146.61	28,620.00		
45	101	Providing and fixing 250 mm width and 25 mm thick mm plank over parapert and column cladding including fixing lock joint in wood.	20.00	6,251.00	2,442.00	48,840.00		
46	102	Providing and fixing wall ledge on balcony slabs as per Architect instruction for the size 75mm width.	35.78	627.00	627.00	22,434.00		
47	103	Providing and fixing wall ledge on balcony slabs as per Architect instruction for the size 125mm width.	35.78	793.00	793.00	28,374.00		
48	104	Providing and fixing HILTI BOLT of 16 mm dia x 165 mm for structural work all etc.	121.00	379.00	379.00	45,859.00		
49	105	Providing and fixing HILTI BOLT of 12 mm dia x 100 mm for structural work all etc.	506.00	75.00	75.00	37,950.00		
50	106	Providing wall panelling(louver) work above the stage opening etc.	12.99	7,919.00	5,433.52	70,581.00	needs revision	using burma teak wood and fixing at the height above 10 m to 15 mlevel
51	107	Providing teak wood hand railing for stair case etc using (instead of SS screw, ms screw used.	55.12	1,485.00	589.31	32,483.00	needs revision	using burma teak wood and fixing at the height above 10 m to 15 mlevel
52	108	Providing teak wood plank for the stair case (wooden tread)	11.32	5,726.00	2,442.00	27,643.00	needs revision	using burma teak wood and fixing at the height above 10 m to 15 mlevel
						66,45,169.00		
		total variation in additional work execution				11,15,598.84		
						1,67,58,511.02		

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36	92	P.C.C. 1:4:8 for Athistanam work	15.45	4,527.00	3,145.75	48,602.00		
37	93	Brick work in CM 1:6 for asthistanam work						decorative curvature work considering vaastu effect in the basement work and needs good finishing as suggested by the vaastu consultant accordingly the work was done
38	94	Cornice work decorative plastering for Athistanam work	46.36	6,064.00	3,450.75	1,59,977.00	needs revision	
39	95	Wooden louver inside auditorium	2,317.80	350.00	367.00	8,50,633.00		
40	96	Teak wood cost esclation	38.20	4,679.00	3,634.20	1,38,826.00	needs revision	fixing at the height above 10 m to 15 mlevel
41	97	L band work	40.78	28,917.00	28,917.00	11,79,177.00		
42	98	Providing and fixing 80 x 40 mm thick 2.8 mm tubular section by making pocket for holding and pack with concrete at sill level as directed by Architect	102.14	154.00	154.00	15,730.00		
43	99	Staircase Hand rail- Vertical tubular section 40 x 40 mmx2.8mm thick handrail	102.14	636.00	636.00	64,961.00		
			80.84	430.00	146.61	11,852.00		

30	86	Wooden louver for bird mesh between the beam gaps and dress gaps with 25 x 50 mm frames and 30 x 20 mm wooden louvers single side including fixing in position etc	83.19	3,964.00	3,152.02	2,62,217.00	needs revision	fixing at the height above 10 m to 15 mlevel	
31	87	Wooden louver for bird mesh between the beam gaps and dress gaps with 25 x 50 mm frames and 30 x 20 mm wooden louvers single side including fixing in position etc	22.96	3,964.00	3,152.02	72,370.00	needs revision	fixing at the height above 10 m to 15 mlevel	
32	88	Fabricating 50 x 50 angles with 50 x6 mm flat for parapert fin concrete at all balcony railings	914.99	112.00	65.05	59,520.00	needs revision	using sail, vizag steel and Roof height 10m level	
33	89	Providing and fixing GI sheet gutter with multiples all around and fix in position	36.09	1,815.00	737.00	26,598.00	needs revision	using 18 guage sheet with mulcut joint to avoid water leakage placing below the hips and valley protions of the roof below the wooden gutter arrangement in the Roof height 10m to 25 m level	
34	90	Marking inside and out side levels survery bill enclosed	0.00	1,25,000.00	1,25,000.00	0.00			
35	91	Statue pedestal for inside koothambalam arca	20.00	1,000.00	1,000.00	20,000.00			

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22	78	Fabricating and erecting the existing available GI pipe at intermediates of the grid as per drawing.	675.00	40.00	32.30	21,803.00	needs revision	Totally repair work and height above 12 m level to 25 m level	
23	79	Providing and fixing 50 x 50 mm spacing of 3 mm weld mesh over angles	658.69	125.00	69.45	45,746.00	needs revision	using sail, vizag steel and Roof height 12 m to 25 m	
24	80	Prepare surface and apply three coats of enamel paint over one coat of primer						using aluminium paint and height above 12 m level to 25 m level	
25	81	Providing and laying in position, specified mix of RCC including compaction and curing complete but excluding centering, shuttering and reinforcement 1:1 1/2 : 3 nominal mix	318.14	140.00	86.75	27,599.00	needs revision		
26	82	Providing and fixing 75 mm 6 guage PVC pipe for temporary re routing water line behind the koothambalam	77.46	5,411.60	4,334.35	3,35,739.00	needs revision	totally repair work and height above 12 m level to 20 m level	
27	83	Providing and laying besser block masonry work of size: 400 x 200 x200 and cement mortar 1:4 for gallery step work	65.55	255.00	257.32	16,867.00			
28	84	Fabricating and bending to form circular cylinder for jet nozzles for AC work with 3.2 mm MS.Sheet kept in position	73.76	838.00	692.80	51,101.00	needs revision	totally repair work and height above 10 m level	
29	85	Wooden louver for bird mesh between the beam gaps and dress gaps with 25 x 50 mm frames and 30 x 20 mm wooden louvers both sides including fixing in position etc	42.00	2,127.97	2,127.97	89,375.00			
			174.37	5,586.00	5,433.52	9,47,443.00	needs revision	fixing at the height above 10 m to 15 mlevel	

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14	70	Providing and fixing anutone board with silver wood planks all over the shuttering edges including tying with GS wire to embed in the roof concrete.(Anutone Board supplied by client at free of cost)	141.18	129.00	151.50	21,389.00			
15	71	Supply of teak wood for Kalakshetra Foundation carpenter for Kalasam moulding	0.49	1,26,776.00	74,700.00	36,603.00	needs revision	using burma teak wood	
16	72	Providing and fixing re bar grouting to the existing beams and slab with Hilti chemical for green room area	302.00	233.00	93.13	28,125.00	needs revision	height 10 m to 15 m level	error found in the total
17	73	Providing and fixing re bar grouting to the existing beams and slab with Hilti chemical for green room area. 20 mm dia rod	114.00	472.00	116.41	13,271.00	needs revision	height 10 m to 15 m level	error found in the total
18	74	Providing and fixing re bar grouting to the existing beams and slab with Hilti chemical for green room area 12 mm dia rod	595.00	149.50	69.85	41,561.00	needs revision	height 10 m to 15 m level	error found in the total
19	75	Providing and fixing re bar grouting to the existing beams and slab with Hilti chemical for green room area. 10 mm dia rod	296.00	113.60	58.21	17,230.00	needs revision	height 10 m to 15 m level	error found in the total
20	76	Providing and fixing teak wood cutter in valley area for the roof in 1" plank including nailing all etc.	43.92	4,652.00	2,442.00	1,07,253.00	needs revision	using burma teak wood and height 15 m to 25 m level	
21	77	Fabricating and erecting angular section steel above the state area as per Drawing given by Architect with 75 x 75 x 5 mm and 50 x 50 x 5 mm section	3,378.50	112.00	81.45	2,75,179.00	needs revision	Repair work and using sail, vizag steel and Roof height 15 m to 25 m	

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3	59	Removing and handing over the Kalasam (small)	1.00	2,000.00	2,000.00	2,000.00			
4	60	Dismantling and removing statue and handing over to the client	54.00	200.00	200.00	10,800.00			
5	61	Dismantling the existing name stone on handling over to the client	2.00	500.00	500.00	1,000.00			
6	62	Clearing and carting away the existing debris.2 units lorry	114.00	1,200.00	433.92	49,467.00		needs revision	by volume consideration - 2 times
7	63	Clearing and carting away the existing debris I unit.	34.00	600.00	433.92	14,753.00			
8	64	Prepare surface and fix 50 mm x 50 mm welded mesh of 2.5 mm thick and blow cm1:3 for 40 mm to 50 mm thick with rough course sand with grouting compound by air compressor and gunniting equipment.	247.24	1,575.00	2,079.07	5,14,029.00			
9	65	Stage work for Kalasam fixing area. - 2 areas	1.00	30,250.00	30,250.00	30,250.00			
10	66	Kalasam fixing - 2 Nos.	1.00	10,895.00	10,895.00	10,895.00			
11	67	Crane hire charges and fabricating angular cage with 75 mm x 75 mm existing 1" pipe	1.00	79,678.00	79,678.00	79,678.00			
12	68	Providing scaffolding for AC duct and electrical work	2,261.30	70.00	142.25	3,21,670.00			
13	69	Providing and fixing eves board as design as existing flower pattern in 1" thick teak wood plank.	62.58	2,231.00	2,442.00	1,52,820.00			

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148	54	CONCRETE FLOORING Providing and laying 40 mm thick red oxide flooring, under layer of 30 mm thick cement concrete 1:2:4 and top layer of 10 mm thick plaster of cement red oxide mix (using 3.5 kg of red oxide of iron per 50 kg of cement) in cement mortar 1:3 with coarse sand finished with a floating coat of neat cement red oxide mix of same proportion, including cement slurry, nosing of steps etc., complete.	907.39	500.00	475.60	4,31,554.68		
159	55	Providing three finish coats of synthetic enamel colour paint, applied evenly and finished to approved texture, including, preparation of surface and a coat of primer, complete : Steel surfaces with zinc chromate primer	2,526.08	140.00	86.75	2,19,137.44	needs revision	height above 12 m level to 25 m level
161	56	Paints - Walls & Ceilings Providing three finish coats of dry colour distemper to walls and ceilings applied evenly to give a uniform finish including preparation of surfaces, primer coat of whitening, to give an even shade.	1,565.12	80.00	71.05	1,11,201.78	needs revision	height above GL to 16m level
		Total				1,01,13,342.02		
		Additional items						
1	57	Providing and apply 2 coats of Linseed oil for battens and rafter on the roof area.(Refer P.No.6 Extra work.	3,041.70	110.00	40.20	1,22,276.00	needs revision	height above 10 m to 27 m level
2	58	Removing and handing over the Kalasam (big) Refer P.No.6 Extra work	2.00	3,000.00	3,000.00	6,000.00		

138	50	Providing 12 mm thick average cement plaster to walls, columns, piers, etc., applied, finished smooth and cured, complete, with mixes : 1:6 with coarse sand	130.74	236.00	138.45	18,100.95	needs revision	height above 5m to 12 m level	
141	51	Ceiling, wall acoustical tiles							
141	51	Providing and fixing ceiling tiles / boards in steel / aluminium / wooden frame work, including filling joints with joint fillers, jointing compounds, tapes, papers, painting of edges of tiles/boards, with two coats of primer, necessary screws where required etc., complete (frame work will be paid for seperately), of sizes : 12.5 mm thick Plaster of paris (gypsum anhydrous) ceiling tiles.	190.62	300.00	498.87	95,094.60			
146	52	Concrete flooring							
146	52	Providing and laying cement concrete flooring 1:2:4, finished with a floating coat of neat cement including cement slurry, laid in panels, in floors, landing, steps and similar locations, including nosing of steps, etc. where required, complete : 25 mm thick	75.21	250.00	262.45	19,738.86			
147	53	Providing and laying cement concrete flooring 1:2:4, finished with a floating coat of neat cement including cement slurry, laid in panels, in floors, landing, steps and similar locations, including nosing of steps ,etc. where required, complete : 40 mm thick	322.11	350.00	262.45	84,537.77			

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131	44	Providing and fixing Mangalore tiles of size 400 x 240 mm, so as to cover an area of 320 x 210 mm, the lap should be not less than 75 mm.	1,016.93	910.00	525.97	5,34,874.67	needs revision	using good quality mangalore tile Ashoka make double groove - umberilla make and Roof height 12 m to 25 m
132	45	Fixing mangalore tiles of size 400x240mm so as to cover an area of 320x210mm. Te lap should be not less than 75mm. Provide for necessary mortar jointing, chasing in walls, tile cutting, tile wastage etc.	995.32	350.00	525.97	5,23,508.46		
133	46	Providing and fixing ridge tile and 3 way connector including necessary jointing	346.11	225.00	240.53	83,249.84		
134	47	Door & Windows wooden frames providing and fabricating and fixing in position selected quality seasoned and chemically treated wood in frames and sub frames of doors, windows, clearstory windows and toher frames, wrought to size and profile with mitred joints, including fixing to supports with threaded expansion bolts/ hold fast or other fixing accessories complete 2nd class CP teak wood	0.87	1,70,000.00	1,00,279.50	87,243.17		
136	48	Providing 10 mm thick average plaster to soffits and sides of slabs, beams and other concrete surfaces, etc., in cement mortar 1:4 with fine sand, applied, finished smooth and cured, complete.	286.61	265.00	128.90	36,944.03	needs revision	height above 5m to 10 m level
137	49	Providing 12 mm thick average cement plaster to walls, columns, piers, etc., applied, finished smooth and cured, complete, with mixes : 1:6 with fine sand	601.94	215.00	138.45	83,338.59	needs revision	height above 5m to 12 m level

115	35	Providing brick work with bricks of class 75 in half brick thick walls in any shape and profile including curvilinear, laid in cement mortar 1:4 with coarse sand, joints finished flush/raked to 12 mm depth, cured, including scaffolding and flat reinforcement (25 x 3 mm) at every fourth course and embedding the same in adjoining masonry/columns by drilling holes etc complete : Super structure upto 20.0 m above plinth level.	66.98	680.00	544.70	36,484.01		
116	36	Random rubble masonry Providing random rubble masonry with hard stone with sides of stones, hammer dressed to achieve minimum thicknesses of joints and laid in cement mortar 1:6 with coarse sand, with joints not more than 15 mm thick, joints finished flush/raked to minimum 10 mm depth including necessary scaffolding, complete. Allow for levelling with cement concrete 1:6:12 with coarse sand at plinth/window sill/ceiling level and the like, in : Foundations and plinths, (1.5 m below and upto 1.2 above GL)	36.71	2,600.00	2,817.50	1,03,430.43		
119	37	Metal work Structural steel BUILT UP SECTION Providing, fabricating and erecting bolted structural steel built up sections, trusses and frames and applying a primer coat of zinc chromate on duly prepared surfaces, complete.	8,394.25	112.00	81.45	6,83,711.66	needs revision	using sail, vizag steel and Roof height 12 m to 25 m
120	38	Steel stair Built up section painting work enamel paint	288.78	110.00	86.75	25,051.67	needs revision	Roof height 12 m to 25 m
121	39	Providing, fabricating and erecting MS welded built up sections/ frames and applying a primer coat of zinc chromate on duly prepared surfaces, complete : In stringers, treads, landings, etc. of staircases including chequered plates wherever required, all complete.	11,704.32	130.00	69.45	8,12,865.02	needs revision	using sail, vizag steel and Roof height 12 m to 25 m

109	31	Providing and fixing precast cement concrete in vertical and horizontal fins individually or forming boxes and for louvers and similar, cast, cured, hoisted and fixed in position, setting in cement mortar 1:3 with coarse sand, along with required formwork and finishing smooth and all fixing arrangements complete but excluding the cost of reinforcement. Allow for stacking, curing and handling at all levels above/below GL.	8.13	10,000.00	5,325.80	43,314.73		
		<u>Masonry - Brickwork, conventional bricks</u>						
110	32	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Foundations and plinths (1.5 m below and upto 1.2 m above GL)	188.95	4,250.00	3,450.75	6,52,019.21		
111	33	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Superstructures upto 20.0 m above plinth level.	46.58	4,400.00	3,972.75	1,85,050.70		
112	34	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Basement, under ground water tank and the like, upto 7.0 m below GL	40.29	4,250.00	3,450.75	1,39,030.72		

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101	26	Providing and laying cement concrete with coarse sand and graded stone aggregate, 40 mm nominal size in foundations, footings and under floors including side forms curring etc., complete, of nominal mix : 1:4:8	41.85	3,500.00	3,145.75	1,31,649.64		
102	27	Providing and laying cement concrete with fine sand and graded stone aggregate, 40 mm nominal size in foundations, footings and under floors including side forms, curring etc., complete, of nominal mix : 1:4:8	10.93	3,500.00	3,145.75	34,383.05		
103	28	Providing and laying cement concrete with fine sand and graded stone aggregate, 40 mm nominal size in foundations, footings and under floors including side forms, curring etc., complete, of nominal mix : 1:3:6	176.88	3,700.00	3,401.30	6,01,621.94		
104	29	Providing and laying plain cement concrete 1:3:6 with coarse sand, laid to required thickness (not exceeding 50mm) and slopes, in roof screedings, floor screedings and similar locations, laid in panels not exceeding 4 sqm., consolidated, finished fair and cured complete : Floor screedings	115.55	3,700.00	3,401.30	3,93,020.22		
105	30	Structural Coconcrete - RCC Providing and laying in position, specified mix of RCC, including compaction and curing complete but excluding centring, shuttering and reinforcement, 1:2:4 nominal mix : In foundation and plinth (1.5 m below and upto 1.2 m above G.L.)	14.38	4,500.00	4,190.95	60,265.86		
		Precast - Fins /louvers						

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56	23	Providing and injecting chemical emulsions for pre construction anti-termite treatment and creating continuous chemical barrier under and all around the column pits, wall trenches, basement excavation, top surfaces of plinth filling, junctions of walls and floors, along the external perimeter of buildings, expansion joints, over the top surface of consolidated earth on which plinth protection is to be laid, surrounding of pipes and conduits etc. complete, in accordance with IS:6313 (Part II). (Plinth area of the building at ground level shall only be measured): Using Chloropyriphos Emulsifiable concentrate 0.2%.	1,179.52	60.00	93.65	1,10,462.05		
		Concrete Formwork and Accessories						
		Form Work/Centering and shuttering						
		Forms in Place						
92	24	Providing and fixing centering and shuttering for concrete work (plain and reinforced) in following locations, including strutting, propping, bracing, bolting tie bolt / spring coil / plastic cone, wedging, easing, striking, removal etc, complete. Allow for forming grooves, drips, throats, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Sides of footings of columns and walls and sides of base slabs.	433.17	300.00	166.05	71,927.88		
		Reinforcement steel						
100	25	Providing and laying in position TMT (Thermo Mechanically Treated) bar reinforcement in all reinforced concrete works including straightening, cutting, bending, binding with 18 gauge annealed steel wire, complete, of grade : Fe 415	9.29	55,000.00	53,850.00	5,00,104.95		
		Plain cement concrete						

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46	20	Earth work in rough excavation, in all types of soil, banking excavated earth in layers not exceeding 200 mm in thickness, breaking clods, watering, rolling each layer with 1/2 ton roller, or compacting with wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 ton capacity and dressing up, in embankment for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead up to 50 m and lift up to 1.5 m, complete.	692.54	250.00	276.70	1,91,625.82		
48	21	Add for every additional lift of 1.5 m or part thereof in: All types of Fill	108.13	35.00	35.45	3,833.21		
52	22	Earth work in excavation, in trenches, in all types of soil, for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m including getting out the excavated earth and then returning the soil as required, in layers not exceeding 200 mm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50 m complete, of pipes, cables of sizes : upto 80 mm dia. (minimum width of trench 450 mm)	65.55	150.00	98.10	6,430.46		
		Termite - Pre treatment						

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34	16	Surface dressing of the ground including removing vegetation and inequalities not exceeding 150 mm deep, in all types of soil and disposal of rubbish upto a lead of 50 m, complete.	20.00	1,100.00	894.20	17,884.00	
41	17	Banking / Depositing all types of excavated earth in layers not exceeding 200 mm in thickness, breaking clods, watering, rolling each layer with power roller of minimum 8 ton capacity and dressing up to required profiles and levels, in embankment for roads, flood banks, marginal banks, mounds and guide banks etc. and compacting the deposited earth under optimum moisture content to give at least 95% of the maximum dry density, lead up to 50 m and lift up to 1.5 m, complete	481.73	140.00	169.10	81,460.54	
44	18	Filling available excavated earth (excluding rock) in trenches, plinths, sides of foundations and in adjacent areas to profiles, shapes and levels etc. in layers not exceeding 200 mm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m, complete.	111.07	120.00	75.45	8,380.23	Lead to be considered.
45	19	Supplying and stacking good earth, free from organics impurities.	1,194.81	350.00	309.74	3,70,080.45	
		Bulk Excavation					

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21	11	Dismantling tile work in floors and roofs in cement mortar/lime mortar including stacking of serviceable material and disposal of unserviceable material upto a lead of 50 m, of thickness : over 25 mm and upto 40 mm	2,188.79	250.00	35.65	78,030.36	needs revision	Scaffolding internally and externally and Roof height 12 m to 25 m
23	12	Framing demolition						
	12	Dismantling woodwork in frames, trusses, purlins and rafters upto a 10 metres span and 5 metres height including stacking the material within a 50 m lead, of sectional areas : upto 4000 sqmm	55.48	800.00	1,357.65	75,322.42		
		Partitions Demolition						
		Rain water Pipes demolition						
26	13	Dismantling CI / GS / PVC / asbestos exposed rain water pipes with fittings and clamps including stacking the serviceable material and disposal of unserviceable material within a 50 m lead, of dia: upto 80 mm	1,080.00	20.00	19.60	21,168.00		
31	14	Felling trees including cutting of trunks and branches, removing the roots, stacking of serviceable materials and disposal of unserviceable materials within a 50 m lead, complete, of girths (measured at a height of 1.0 m above GL.) : over 300 mm and upto 600 mm	10.00	500.00	142.75	1,427.50		
32	15	Felling trees including cutting of trunks and branches, removing the roots, stacking of serviceable materials and disposal of unserviceable materials within a 50 m lead, complete, of girths (measured at a height of 1.0 m above GL.) : over 600 mm and upto 1200 mm	32.00	1,000.00	631.80	20,217.60		

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12	5	Dismantling / Demolishing brick work in cement / lime mortar in foundations, super structure and basement, at all heights / depths, including removing of mortar, cleaning bricks and stacking of serviceable materials and disposed of unserviceable materials upto 50 m lead	79.15	2,500.00	960.50	76,047.32		
14	6	Dismantling / Demolishing brick work in cement / lime mortar in foundations, super structure and basement, at all heights / depths, including removing of mortar, cleaning bricks and stacking of serviceable materials and disposed of unserviceable materials upto 50 m lead	185.19	1,200.00	536.60	99,374.03		
		Door /window demolition						
17	7	Taking out door, window and clerestory window shutters (metal or wood) including chowkhats, architrave, holdfast, etc. complete and stacking within a 50 m lead, of areas: upto 3 sqm	34.00	750.00	42.95	1,460.30	needs revision	All window and doors size should be taken in sq.m NOT in each
18	8	Taking out door, window and clerestory window shutters (metal or wood) including chowkhats, architrave, holdfast, etc. complete and stacking within a 50 m lead, of areas: over 3 sqm	8.00	1,000.00	56.95	455.60	needs revision	All window and doors size should be taken in sq.m NOT in each
19	9	Dismantling expanded metal or IRC fabrics along with battens and beadings including stacking the serviceable materials within a 50 m lead.	454.00	215.00	21.05	9,556.70		
		Flooring demolition						
20	10	Dismantling tile work in floors and roofs in cement mortar/lime mortar including stacking of serviceable material and disposal of unserviceable material upto a lead of 50 m, of thickness : 10 mm to 25 mm	2,285.11	225.00	22.12	50,546.63	Needs revision	All roofing tiles dismantled above 12 m to 35 m height

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As per schedule	SNo	Description	Executed Qty		CPWD justification rate		To be considered
			Qty	Rate/Unit	Rate/Unit	Amount	
				Rs.		Rs.	
		<u>SITE PREPARATION</u>					
		<u>Site Demolition</u>					
		External services					
5	1	Add for dismantling additional depth of : Rectangular manholes, 1200 x 900 mm, for depth beyond 900 mm	6.00	1,000.00	636.20	3,817.20	
9	2	Dismantling of fence including supports of MS sections, pipe, wooden or any other material or combination of materials, along with foundations of supports, hooks, bolts etc., excavation of earth including refilling the earth etc., stacking of serviceable materials and disposal of unserviceable materials within 50 m lead : Barbed wire / chain link / expanded metal / concertina wire and the like.					
10	3	Dismantling of fence including supports of MS sections, pipe, wooden or any other material or combination of materials, along with foundations of supports, hooks, bolts etc., excavation of earth including refilling the earth etc., stacking of serviceable materials and disposal of unserviceable materials within 50 m lead : Wooden batten / boards	121.38	160.00	21.05	2,555.05	
		Selective demolition					
11	4	Demolishing lime concrete / cement concrete in all mixes, in foundations, super structure and basement, at all heights / depths, including disposal of unserviceable materials upto a 50 m lead.	227.52	1,250.00	221.85	50,475.31	

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The hard copies of all contracts – schedule of items are enclosed for your perusal.

The management seeking your services that you may kindly depute or engage a suitable representative from your department to make a clear assessment of above said contract for the rate covered in the items and award of contract value justification.

We shall be much obliged for your kind help in this regard.

Your may kindly revert back to us at the earliest, so that we can initiate the process to commence the work.

Thanking you,

Yours faithfully,

(Priyadarsini Govind)
Director.

It is requested that, the detailed Inspections for various Civil and Electrical works for the period 2009-2012, may please be reviewed and intimated at the earliest. It is preferable if the detailed report is given data on three wells.

Any fee payable to CPWD may please be intimated, so that necessary arrangements can be initiated from our end.

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The meeting held in the central office with The Chairman, Director, Deputy Director, CAO and undersigned on 04.11.2014 wherein it has been decided about PART A estimate (*The expenditure incurred so far for the Koothambalam project covering all the expenditure civil, electrical, HVAC, slab cooling, Sound system & equipment, Stage lighting, consultant and stone sculpture*) awarded value contracts may be forwarded to the CPWD office officially for seeking their justification of the same. Accordingly, the draft letter addressed to The Chief Engineer (SZ I) / CPWD / Rajaji bhavan / Chennai 600 090 is submitted for your kind perusal and approval before issue.

EO

AO

CAO

DIRECTOR

F.No. 10/ 2014-15/CPWD/KMBM/KF

November 5, 2014

Chief Engineer (SZ I), CPWD,
"G" Wing – 2nd Floor,
Rajaji Bhavan, Besant Nagar,
Chennai 600 090.

Sir,

Sub: Koothambalam project – award of contracts – Justification of rates and award of contract –Reg

The Kalakshetra Foundation is an autonomous institution directly functioning under the Ministry of Culture, Government of India. Our main performance normally used to be carried out in the BHARATA KALAKSHETRA AUDITORIUM which is called "Koothambalam". The Koothambalam was constructed and commenced in 1985. In 2009, this office had carried out sound up gradation work, civil renovation works and other works in the Koothambalam. The works were carried out under guidance of "council of Architects" norms, other works namely upgradation sound system, stage lighting and sand stone sculpture works were under directly through the consultants who in the respective field.

Recently CAG had pointed out about works with objections. Our Governing Board directed to verify that the rates of items in all contracts through the Government agencies, which were already awarded & partially executed.

(Signature)
(Signature)

were directly undertaken through the consultants who in the respective field as decided by our works committee.

Recently, CAG had pointed out about works with objections. Our ^{Chairman.} Governing Board directed to verify that the rates of items in contracts through the Government agencies, which were already awarded and partially executed.

It is requested that the detailed justification for various Civil, Electrical, HVAC, Slab cooling including up gradation of sound system, stage lighting/ mechanized curtain system, traditional sand stone sculpture works as on 2009 beginning – till end of 2012, may please be worked out and intimated at the earliest. It is preferable if the detailed report is given within three weeks.

Any fee payable to CPWD may please be intimated, so that necessary arrangements can be initiated from our end.

The hard copies of schedule of items and contracts are enclosed for your perusal.

The management seeking your services that you may kindly depute or engage a suitable representative from your department to make a clear assessment of above said contract for the rate covered in the items and award of contract value justification.

We shall be much obliged for your kind help in this regard.

Your may kindly revert back to us at the earliest, so that we can initiate the process to commence the work.

Thanking you,

Yours faithfully,

Ph

(Priyadarsini Govind)
Director.

Enclsoure : As above

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The meeting held in the central office with The Chairman, Director, Deputy Director, CAO and EO on 04.11.2014 wherein it has been decided about PART A estimate (The expenditure incurred so far for the Koothambalam project covering all the expenditure civil, electrical, HVAC, slab cooling, Sound system & equipment, Stage lighting, consultant and stone sculpture) awarded value contracts may be forwarded to the CPWD office officially for seeking their justification of the same. This letter has been initiated pending approval of the Works Committee. Accordingly, the draft letter addressed to The Chief Engineer (SZ I) / CPWD / Rajaji bhavan / Chennai 600 090 is submitted for your kind perusal and approval before issue.

[Signature]
EO

[Signature]
AO

[Signature]
CAO

[Signature]
DIRECTOR

F.No. 10/ 2014-15/CPWD/KMBM/KF

November 12, 2014

Chief Engineer (SZ I), CPWD,
"G" Wing – 2nd Floor,
Rajaji Bhavan, Besant Nagar,
Chennai 600 090.

Sir,

Sub: Koothambalam project – award of contracts – Justification of rates
requested –Reg

The Kalakshetra Foundation is an autonomous institution directly functioning under the Ministry of Culture, Government of India. Our main performance normally used to be carried out in the BHARATA KALAKSHETRA AUDITORIUM which is called "Koothambalam". The Koothambalam was constructed and commenced in 1985. In 2009, this office had carried out up gradation works in the Koothambalam. The works were carried out under guidance of "Council of Architects" norms through a consulting Architect for the Civil, Electrical, HVAC and slab cooling work as decided by our works committee.

Apart from this, special works in nature namely up gradation sound system, stage lighting & mechanized curtain system and traditional sand stone sculpture works,

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भारत सरकार सेवार्थ
ON INDIA GOVERNMENT SERVICE

TO The Director,
Kalakshetra Foundation,
Thiruvananthapuram,
Chennai - 600041

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PREVENT TUBERCULOSIS TAKE
B.C.G. VACCINATION
काय रोग निवारण कीजिये .
बी. सी. जी. का टीका लिजिये

DESPATCHER.....
मुख्य इंजीनियर (र.सि.) का कार्यालय
O/o. CHIEF ENGINEER (RZ) I
के.सी. नि.वि. / CPWD,
II मंजिल, राजाजी भवन,
II FLOOR, RAJAJI BHAVAN,
भारत नगर / BESANT NAGAR
चेन्नई-60, CHENNAI-60.
S.E. - 5

IEMC/1-11016/J-2/4595-C&P, Dated 13.9.95

Chennai - 90.

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Kalakshetra Foundation

F.No. 9/ 2014-15/CPWD/Costume section/KF

November 5, 2014

Er.P.B.Srinivasan
Chief Engineer (SZ I), CPWD,
"G" Wing – 2nd Floor,
Rajaji Bhavan, Besant Nagar,
Chennai 600 090.

Dear Sri.Srinivasan,

Sub: Construction of Costume block to be carried out in the Kalakshetra Foundation – Reg.

The Kalakshetra Foundation is an autonomous institution directly functioning under the Ministry of Culture, Government of India. We already entrusted four works with CPWD – EE /CCD V / Rajaji bhavan / Chennai 90, as guided for the past few month.

This office is now planning to construct a new costume block, I request that you may kindly depute a suitable representative from your department to make a clear assessment of the above said work to be carried out in the kalakshetra campus at the earliest.

The above said work is a basic requirement of artist needs, comfort ability, storage of costume purpose, stage properties and connected feature. It is our opinion that a architect need for assessing the above requirement and incorporating all details and the issues in the proposed work for implementation.

We have our panel architects who are associating with this institution and they may be engaged on services after duly followed selection procedure as followed in your Department. The scope of work may be assigned as per your requirements for above said work in all stage in terms of civil, Electrical and landscaping works for the above work. This will enable us to get the approval of works committee members for the preliminary estimate and followed with detailed estimate for the above work carried out by the CPWD. All the drawings for the above work should be forwarded to this office for approval of the Works committee before submission of Preliminary Estimate and Detailed Estimate of the project. *The plants area of proposed buildg for library is 700 m² approx.*


We would appreciate if it is done immediately as that would enable us to make suitable provision for the current financial year.

You may kindly revert at the earliest, so that we can initiate the process to commence the work

Thanking you,

Yours faithfully,


(Priyadarsini Govind)
Director.


10/11/14

Founder: Smt Rukmini Devi



Phone: +91-(0)44-24520836/4057/1844

Fax: +91-(0)44-24524359

E-mail: admin@kalakshetra.in

www.kalakshetra.in





It is requested that the detailed justification for various Civil, Electrical, HVAC, Slab cooling including up gradation of sound system, stage lighting/ mechanized curtain system, traditional sand stone sculpture works as on 2009 beginning – till end of 2012, may please be worked out and intimated at the earliest. It is preferable if the detailed report is given within three weeks.

Any fee payable to CPWD may please be intimated, so that necessary arrangements can be initiated from our end.

The hard copies of schedule of items and contracts are enclosed for your perusal.

The management seeking your services that you may kindly depute or engage a suitable representative from your department to make a clear assessment of above said contract for the rate covered in the items and award of contract value justification.

We shall be much obliged for your kind-help in this regard.

Your may kindly revert back to us at the earliest, so that we can initiate the process to commence the work.

Thanking you,

Yours faithfully,

Priyadarsini Govind

(Priyadarsini Govind)
Director.

Enclsoure : As above

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Kalakshetra Foundation

Acknowledgent
CPW

F.No. 10/ 2014-15/CPWD/KMBM/KF

November 12, 2014

Chief Engineer (SZ I), CPWD,
"G" Wing – 2nd Floor,
Rajaji Bhavan, Besant Nagar,
Chennai 600 090.

Sir,

Sub: Koothambalam project – award of contracts – Justification of rates
requested –Reg

The Kalakshetra Foundation is an autonomous institution directly functioning under the Ministry of Culture, Government of India. Our main performance normally used to be carried out in the BHARATA KALAKSHETRA AUDITORIUM which is called "Koothambalam". The Koothambalam was constructed and commenced in 1985. In 2009, this office had carried out up gradation works in the Koothambalam. The works were carried out under guidance of "Council of Architects" norms through a consulting Architect for the Civil, Electrical, HVAC and slab cooling work as decided by our works committee.

Apart from this, special works in nature namely up gradation sound system, stage lighting & mechanized curtain system and traditional sand stone sculpture works, were directly undertaken through the consultants who in the respective field as decided by our works committee.

Recently, CAG had pointed out about works with objections. Governing Board directed to verify that the rates of items in contracts through the Government agencies, which were already awarded and partially executed.

Handwritten signature and date
12/11/14

Founder: Smt Rukmini Devi



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Phone: +91-(0)44-24520836/4057/1844

Fax: +91-(0)44-24524359

E-mail: admin@kalakshetra.in

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**KALAKSHETRA
FOUNDATION**
 No.: 3709
 DATE: 12/11/14.



Government of India
 Office of the Chief Engineer (SZ)-I
CENTRAL PUBLIC WORKS DEPARTMENT

2nd Floor, G Wing,
 Rajaji Bhavan, Besant Nagar,
 Chennai-600090.
 ☎ 044- 24916077
 Fax : 044 - 24919871

No. 28(1)/5/2014-Admin-II / 5636-60

Dated: 12/11/2014

To

- 1) SE, CCC-II, CPWD, Chennai.
- 2) SE(E), CCEC-I, CPWD, Chennai.

Sub.: Works to be undertaken at Kalakshetra Colony, Besant Nagar,
 Chennai - reg.

The Kalakshetra Foundation located at Chennai has already assigned works to an extent of Rs.2 crores to CPWD which is almost nearing completion. Meanwhile, they came with a plea that they want to assign one more new work i.e. Construction of a New Costume Block in their premises. In this connection, the letter No. 9/2014-15/CPWD/Costume Section/KF dated 5/11/2014 submitted by them is also enclosed herewith. Hence, necessary action may be taken to take up this work as per their request specifically by engaging private Architect as insisted by them.

2. In addition to that they are requesting CPWD to assess the justified rates/amount for a constructed building named 'Koothambalam' which was awarded during 2009. The work has already been completed and they are now requesting CPWD to arrive the probable justified amount for the same. This exercise also can be done by the CPWD and the necessary charges may be levied from them as per the CPWD Works Manual. In this regard, I am enclosing herewith the copy of the letter No.10/2014-15/CPWD/KMBM/KF dated 12/11/2014 along with the enclosures. As requested by them the exercise of arriving the justified amount shall be finalized within a period of one month.

(P.P. Srinivasan)
 Chief Engineer(SZ)I

Copy to:

- 1 ✓ Director, Kalakshetra Foundation, Tiruvanmiyur, Chennai - 600 041 for information.
- 2 EE, CCD-V, CPWD, Chennai.
- 3 EE, CCED-II, CPWD, Chennai.

For information and necessary action in this regard. Since the enclosures along with letter dated 12/11/2014 given by the client are very bulky, the same may be collected from SE, CCC-II.

(Handwritten Signature)
 Chief Engineer(SZ)I

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F.No. 10/ 2014-15/CPWD/KMBM/KF

21-Nov-14

The Executive Engineer,(Civil)
CCCD V, CPWD,
Rajaji Bhavan, Besant Nagar,
Chennai 600 090.

Sir,

Sub: Koothambalam project – award of contracts – Justification of rates and award of contract –Reg

Ref: Meeting held at office of Chief Engineer (SZ I), CPWD,G- Wing – 2nd Floor,Rajaji Bhavan, Besant Nagar,

In response to your request that two more additional sets of the hard copies of all contracts – schedule of items are enclosed for your perusal and further action please.

Thanking you,

Yours faithfully,

Babeeta

(Babeeta Narang)
Chief Accounts Officer.

Encl: As above.

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Kalakshetra Foundation

F.No. 10/ 2014-15/CPWD/KMBM/KF

21-Nov-14

The Executive Engineer,(Civil)
CCCD V, CPWD,
Rajaji Bhavan, Besant Nagar,
Chennai 600 090.

Sir,

Sub: Koothambalam project – award of contracts – Justification of rates and award of contract –Reg

Ref: Meeting held at office of Chief Engineer (SZ I), CPWD,G- Wing – 2nd Floor,Rajaji Bhavan, Besant Nagar,

In response to your request that two more additional sets of the hard copies of all contracts – schedule of items are enclosed for your perusal and further action please.

Thanking you,

Yours faithfully,

Babeeta
(Babeeta Narang)
Chief Accounts Officer.

कार्यपालक अभियंता / EXECUTIVE ENGINEER
केन्द्रीय केंद्र - V, के. ले. नि. वि.
CHENNAI CENTRAL DIVISION - V, C.P.W.D.
राजजी भवन, चेन्नई - 600 090
RAJAJI BHAVAN, CHENNAI - 600 090.

24/11/14

Encl: As above.

Founder: Smt Rukmini Devi



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(68)

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7, 8, 9, 10, 11

Item sl.No.17,18,20,21,44,119,120,121,122,131,136,137,140,159, and 161 in the schedule items

Item sl.No.1,6,7,15,16,17,18,19,20,23,24,25,27,29,30,31,32,33,37,39,43,44, 50, 51 and 52 in extra items.

For which we request you to kindly visit our project site to re look the area of work done. Apart from this, special works in nature namely Roof insulation board fixing work was directly undertaken through the consultants in the respective field as decided by our erstwhile works committee to verify the rates of items in contracts through the Government agencies, which were already awarded and executed.

It is requested that the detailed justification for roof insulation board fixing work in 2010 end – till end of 2012, may please also be worked out and intimated at the earliest.

The hard copies of schedule of items and contracts are enclosed for your perusal.

The Kalakshetra Foundation is seeking your services so that you may kindly depute or engage a suitable representative from your department to make a clear assessment of above said contract for the rate covered in the items and award of contract value justification.

We shall be much obliged for your kind help in this regard.

(69)

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The hard copies of schedule of items and contracts are enclosed for your perusal.

The Kalakshetra Foundation is seeking your services so that you may kindly depute or engage a suitable representative from your department to make a clear assessment of above said contract for the rate covered in the items and award of contract value justification.

We shall be much obliged for your kind help in this regard.

You may kindly revert back to us at the earliest, so that we can initiate the process to commence the work.

Thank you once again.

Yours sincerely,

(Priyadarsini Govind)

Director

Copy to: The Chief Engineer /SZ 1/ CPWD/ Rajaji bhavan / Chennai 90

The Superintending Engineer / CCD II / CPWD / Shastri bhavan

/Chennai 600 006 for information please

Encl: As above

(70)

(94)

In this consideration, we also seek your kind help to kindly visit over Koothambalam site for assessment of works ~~were~~ actually carried out etc.

However, some of item rates ^{as mentioned in the report} may require to be considered for revision based on factual conditions in terms of the level of the work done, scaffolding provisions, material specification, error in the total and lead length for the work ~~was~~ carried out in the koothambalam are as listed out for your consideration.

Item sl.No.17,18,20,21,44,119,120,121,122,131,136,137,140,159, and 161 in the schedule items

Item sl.No.1,6,7,15,16,17,18,19,20,23,24,25,27,29,30,31,32,33,37,39,43,44, 50, 51 and 52 in extra items.

^{for which we request you to kindly visit our Kothambalam project site to re-look to assess the work done}
Apart from this, special works in nature namely Roof insulation board fixing work was directly undertaken through the consultants in the respective field as decided by our works committee. Governing Board / chairman has directed to verify the rates of items in contracts through the Government agencies, which were already awarded and partially executed.

It is requested that the detailed justification for roof insulation board fixing work in 2010 end – till end of 2012, may please be worked out and intimated at the earliest. ~~It is preferable if the detailed report is given within three weeks.~~

Any fee payable to CPWD may please be intimated, so that necessary arrangements may be initiated from our end.

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We shall be much obliged for your kind help in this regard.

You may kindly revert back to us at the earliest, so that we can initiate the process to commence the work.

Thank you once again.

Yours sincerely,

(Priyadarsini Govind)
Director

Enclosure : As above.

Copy to: 1. The Chief Engineer /SZ 1/ CPWD/ Rajaji bhavan / Chennai 90

2. The Superintending Engineer / CCD II / CPWD / Shastri bhavan
/Chennai 600 006 for information please

(72)

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However, some of item rates mentioned in the report may require to be considered for revision based on factual conditions in terms of the level of the work done, scaffolding provisions, material specification, error in the total and lead length for the work are as listed out for your consideration.

Item sl.No.17,18,20,21,44,119,120,121,122,131,136,137,140,159, and 161 in the schedule items

Item sl.No.1,6,7,15,16,17,18,19,20,23,24,25,27,29,30,31,32,33,37,39,43,44, 50, 51 and 52 in extra items.

For which we request you to kindly visit our project site to re look the area of work done. Apart from this, special works in nature namely Roof insulation board fixing work was directly undertaken through the consultants in the respective field as decided by our ^{entire} works committee. ~~Governing Board / chairman~~ has directed to verify the rates ~~of items in contracts~~ through the Government agencies, which were already awarded ~~and partially~~ executed.

It is requested that the detailed justification for roof insulation board fixing work in 2010 end – till end of 2012, may ^{also} ~~please~~ be worked out and intimated at the earliest.

The hard copies of schedule of items and contracts are enclosed for your perusal.

The Kalakshetra Foundation is seeking your services so that you may kindly depute or engage a suitable representative from your department to make a clear assessment of above said contract for the rate covered in the items and award of contract value justification.

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DRAFT for approval before issue


EO


AO


CAO


DIRECTOR

F.No. 10/ 2014-15/CPWD/KMBM/KF

January 14, 2015

The Executive Engineer (Civil),
CPWD,
Chennai Central Division V,
Besant Nagar, Chennai – 90

Sir,

Sub: Koothambalam project – award of contracts – Justification of rates and award of
Contract – Clarification requested - Reg

Ref:

- i. Meeting held at office of Chief Engineer (SZ I), CPWD, G- Wing – 2nd Floor,
Rajaji Bhavan, Besant Nagar on 12.11.2014.
- ii. Detailed comparative statement for the civil work your lr No.24 (28) K /
CCD V / 14/13 dated 2.1.2015

This has reference to the subject mentioned supra and we are thankful once again for
your kind help and your prompt action in providing details of justification rates etc as
cited in ref. 2 above.





ANNEXURE

S.No	Particulars of items	Quantity	Rate per Sqm.	Amount In Rs.
1	Anutone smooth MB Primer - Ceiling – (Without packing) Square Edge–1200 x 600 x 25 mm	2500.56Sqm. OR 3473 Nos	Rs.856.40 /Sqm OR Rs.615.24/No	21,36,728.52
2	Less : Trade Discount on net 10%			2,13,672.85
3	Net Value			19,23,055.67
4.	Add transit insurance @ 0.7% Sub total + ED+ VAT			13,461.39
5	Sub- Total			19,36,517.06
6	Add VAT/CST sub total + ED @ 13.5%			2,61,430.00
7	Add Forwarding sub total – transportation and unloading charges			42,000.00
	Grand total amount			22,39,947.00

(Rupees twenty two lakh thirty nine thousand nine hundred and forty seven only)

Delivery time – 1000 Nos Immediate and balance 2473 Nos - 1000 Nos every 10 days till 20.09.2010.

Payment terms: 30% Advance along with supply order and balance within 2 days from the date of delivery.

M/s.Anutone Walls & Ceilings
(A division of Anutone Acoustics Limited),
B 5, 2nd floor, Gems court,
No.14, Khader Nawaz Khan Road,
Nungambakkam,
Chennai 600 006.

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ANNEXURE

S.No	Particulars of items	Quantity	Rate per Sqm.	Amount In Rs.
1	Anutone smooth MB Primer - Ceiling - (Without packing) Square Edge-1200 x 600 x 25 mm	2500.56Sqm. OR 3473 Nos	Rs.856.40 /Sqm OR Rs.615.24/No	21,36,728.52
2	Less : Trade Discount on net 10%			2,13,672.85
3	Net Value			19,23,055.67
4.	Add transit insurance @ 0.7% Sub total + ED+ VAT			13,461.39
5	Sub- Total			19,36,517.06
6	Add VAT/CST sub total.+ ED @ 13.5%			2,61,430.00
7	Add Forwarding sub total - transportation and unloading charges			42,000.00
	Grand total amount			22,39,947.00

(Rupees twenty two lakh thirty nine thousand nine hundred and forty seven only)

Delivery time - 1000 Nos Immediate and balance 2473 Nos - 1000 Nos every 10 days till 20.09.2010.

Payment terms: 30% Advance along with supply order and balance within 2 days from the date of delivery.

M/s.Anutone Walls & Ceilings
(A division of Anutone Acoustics Limited),
B 5, 2nd floor, Gems court,
No.14, Khader Nawaz Khan Road,
Nungambakkam,
Chennai 600 006.

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anutone
makes you feel good

Anutone Acoustics Limited

32, Sonnenahalli Industrial Layout, Nellunahalli Panchayat, Bengaluru 560 048, India
Phone +9180 4115 0982 Telefax +9180 4116 3024 info@anutone.com www.anutone.com

Invoice

Invoice No. 1010387

Anutone Acoustics Limited #32, Sonnenahalli Ind Layout, Nellurahalli Panchayath, Bengaluru 560 048, India Phone +9180 4115 0982	Invoice No. 1010387	Dated 20-10-2010		
	Delivery note no. 1010387			
Consignee - Delivery at - M/s. The Director ., Thiruvamiyur Kalakshetra Foundation Chennai - 600 041 Contact Person - Mr.Srinivasan # 97104 78893	Supplier's Ref no. 1030026	Other Reference(s) 08-10-2010		
	Buyer's Order No.	Dated		
Buyer (if other than consignee) M/s. The Director ., Kalakshetra Foundation Chennai Contact no. - 2452 4057	Despatch Document no.	Dated		
	Despatched Through Surfair Express Cargo & Logistics	Destination Chennai		
	Terms of Delivery To be billed	Vehicle no. KA 51 A 1837		
Description of Goods	Quantity	Rate	per	Amount
MAT Natural - MB - High Density - Size - 1200x600x15mm - Natural - Square Edge - Primer (Excise invoice no. 1010147 dated 20 -10-2010)	250 nos	567.65	no.	141912.00
Anutone Synth PF 10x50 Dimension - 10 x 50 (1000 gsm x 50mm thickness) (67 Rolls)	603 Sqmts.	352.80	Sqm	212738.00
				Net value 354650.00
				Insurance Marine 2483.00
				Total 357133.00
				CST 13.5 % 48213.00
				Freight Charges 24000.00
				Miscellaneous Charges
Total				429346.00
Amount Chargeable (in words) Rs. Four lakh twenty nine thousand three hundred and forty six only.				E. & O. E
Consignee VAT TIN : 33091122817 Consignee CST no. : 1000704/26-2-09 Company's VAT TIN : 29180063254 DT 01.04.05 Company's CST no : 10455954 DT 14.12.01 Declaration Certified that the particulars given above are true and correct and represents the price actually charged and that is no flow of additional consideration the amount indicated directly or indirectly from the buyer.				
Subject to Bangalore Jurisdiction only				
<p>14:30 16:20 by R. Srinivasan</p> <p>M/S</p> <p>(e. Gajaraman)</p>				<p>FOR ANUTONE ACOUSTICS LIMITED</p> <p>ANUTONE ACOUSTICS LIMITED</p> <p>Authorised Signatory</p>

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Kalakshetra Foundation

32

C:\ 2010-2011\ Koothambalam\ walls and ceiling anutone board work.doc	October 6, 2010
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M/s. Anutone Walls & Ceilings
 (A division of Anutone Acoustics Limited),
 B 5, 2nd floor, Gems court,
 No.14, Khader Nawaz Khan Road,
 Nungambakkam,
 Chennai 600 006.

Sir(s)

Sub: Koothambalam – Kalakshetra Foundation -Supply of Mikrofibre MAT – Primer White Boards for walls and Ceiling – supply order – Reg.

Ref: Your offer No. QF/MKT/10A – REV No.08- Rev dated 1.10.2010 dated 27.09.2010 /28.09.2010

The Director, Kalakshetra Foundation is pleased to award the supplying of materials at a total cost of Rs. 4,29,346/- (Rupees Four lakh twenty nine thousand three hundred and forty six only)) as per the Annexure specification, terms and condition, enclosed herewith in all respects. This is a firm rate contract. No escalation will be paid on account.

As per the terms, an advance amount of Rs.1, 28,804/- (30% of Rs. 4, 29,346) Vide cheque No. 35217 Dated 27.10.10 drawn in canara bank /Thiruvanmiyur branch in favour of M/s. Anutone Acoustics Limited is enclosed herewith.

Delivery time – 8-10 working days till 18.10.2010.

The materials should be delivered at our premises (door delivery) and materials should be covered with Insurance up to Kalakshetra Foundation/Chennai.

The above supply order should be effected and completed in all respects by 18.10.2010. If the progress of the supply is found to be not satisfactory or the supply is not completed in all respects as per the schedule as mentioned above, this supply order will automatically cease without notice and without assigning any reason and you have to return the advance amount with interest at the rate of 12% P.A.

Kindly acknowledge receipt of the letter.

Yours faithfully,

for 
 Leela Samson
 Director

*Received work
 Order & chq
 chq no. 315217 Amount:- 128804/-
 S. Ramani
 S. Ramani MAL
 28/10/10
 95000 12775*


(78)

Founder: Smt. Rukmini Devi
 Chairman: Justice Sri S. Mohan
 Director and Secretary: Ms. Leela Samson

Tiruvanmiyur, Chennai 600 041, India
 Phone: +91-(0)44-24520836/4057/1844 • Fax: +91-(0)44-24524359



(86)

Anutone Acoustics Lim Bengal 	Offer	Ref No : QF/MKT/10A
		Rev No : 08
		Rev Date : 1/10/2008
		Page No : 1 of 2

Offer- Domestic	
AAL / CHN / 219	Date : 07.08.2010
Client details - Invoicing	Client Details - Delivery
M/s. The Director ,, Kalakshetra Foundation Chennai Ph: 044 2452 4057 director@kalakshetra.in works@kalakshetra.in	
Contact Person :	Mr. Srinivasan / 97104 78893
SoundSelec protocol	SoundSuite
Application	Ceiling
Project	Kalakshetra Hall
Architect	Ravi Nilakandan
Consultant	Sound Wizard
Contractor	Self

Offer/Order for products to enhance your living experience

DETAILS		UoM (M ²)	Rate (M ²)	UoM (Nos)	Rate (Nos)	Amount (INR)
Ceiling						
1	AnutoneSmooth MB Primer					
	(Without Packing) Square Edge					
	1200 x 600 x25mm	2500.56	854.5	3473	615.24	2136728.52
Net Amount						2,136,728.52
Less: Trade Discount on net (as per policy, if applicable)						10% 213,672.85
Net Value						1,923,055.67
Add: Transit Insurance on Systems Sub-total + ED + VAT						0.70% 13,461.39
Add: Surcharge 1 on net (if applicable) SKU for						
Add: Surcharge 2 on net (if applicable)						
Add: Miscellaneous Charges (taxable) Special profiling,						
Systems Sub-total						1,936,517.06
VAT #	Add: VAT/CST on Systems Sub-total + ED					13.50% 261,430.00
	Add: Miscellaneous Charges (non-taxable)					LS
ED #	Add: Excise Duty on Systems Sub-total					
CST #	Add: Forwarding on Systems Sub-total Transportation and Unloading Charges					42,000.00
	Add: Octroi on Systems Landed Value (if applicable)					
Grand Total Amount						2,239,947.00

Amount in Words : Twenty Two Lakhs Thirty Nine Thousand Nine Hundred and Forty Seven Only.

Terms	
1) Investment Basis	Ex-SoundzShoppe - Mumbai for Absol and Bangalore for Ekcel
2) Transit Particulars	Mode of Transport - Road / Rail / Air Freight To-pay / Prepaid / To be Billed Consignment- Full / Part
3) Statutory Particulars	TIN # CST # Enclosures
4) Payment Terms	30/100% Advance along with PO. Balance within 2 days from date of delivery.
5) Payment Particulars	Payment 1 DD # Date : Payment 2 DD # Date :
6) Statutory Levy	Service Tax, Works Contract Tax, Central Excise Duty, Central Sales Tax, Value Added Tax
7) Delivery	1000 Nos immediate balance 1000 Nos Every 10 days
8) Validity	Till the end of the current month only. Please always refer to Anutone if this investment offer

For M/s. The Director ,,		For Anutone Acoustics Limited	
Authorised Signatory		Authorised Signatory	
Name	Designation	Name : Shabeer Ahmed .K	Designation: Sr.Area
For internal office use		Assumptions for Offer	
Authorised by		Quoted quantities are based on client's indent.	
		Attic Stock/Wastage quantities are included in the client's indent.	

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ANNEXURE

S.No	Particulars of items	Quantity	Rate per Sqm.	Amount In Rs.
1	Anutone smooth MB Primer - Ceiling - (Without packing) Square Edge-1200 x 600 x 25 mm	2500.56Sqm. OR 3473 Nos	Rs.856.40 /Sqm OR Rs.615.24/No	21,36,728.52
2	Less : Trade Discount on net 10%			2,13,672.85
3	Net Value			19,23,055.67
4	Add transit insurance @ 0.7%			13,461.39
5	Sub total + ED+ VAT			19,36,517.06
6	Sub- Total			2,61,430.00
7	Add VAT/CST sub total + ED @ 13.5%			42,000.00
	Add Forwarding sub total - transportation and unloading charges			22,39,947.00
	Grand total amount			

(Rupees twenty two lakh thirty nine thousand nine hundred and forty seven only)

Delivery time - 1000 Nos Immediate and balance 2473 Nos - 1000 Nos every 10 days till 20.09.2010.

Payment terms: 30% Advance along with supply order and balance within 2 days from the date of delivery.

M/s. Anutone Walls & Ceilings
(A division of Anutone Acoustics Limited),
B 5, 2nd floor, Gems court,
No.14, Khader Nawaz Khan Road,
Nungambakkam,
Chennai 600 006.

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Kalakshetra Foundation

Kind a Hanhi : Shri S. B. Navin.
GTH - Projects Marketing - OAE
an pur om tele-talk today.

19/8/10

T.S. YUJITH

C:\2010-2011\Koothambalam\Roofing anutone board work.doc August 18, 2010

EAD
KF

M/s. Anutone Walls & Ceilings
(A division of Anutone Acoustics Limited),
B 5, 2nd floor, Gems court,
No.14, Khader Nawaz Khan Road,
Nungambakkam,
Chennai 600 006.



FAX NO: 2833 0907

Sir(s)

Sub: Koothambalam - Kalakshetra Foundation - Supply of Anutone Smooth MB Primer Boards for Ceiling - supply order - Reg.

Ref: Your offer No. QF/MKT/10A dated 07.08.2010

The Director, Kalakshetra Foundation is pleased to award the Supplying of Anutone Smooth MB Primer boards at a total cost of Rs. 22,39,947/- (Rupees twenty two lakh thirty nine thousand nine hundred and forty seven only) as per the Annexure specification, terms and condition, enclosed herewith in all respects. This is a firm rate contract. No escalation will be paid on account.

As per the terms, an advance amount of Rs. 5,76,920/- (30% of Rs. 19,23,055/- Net value) Vide cheque No. 341843 Dated 19.08.10 drawn in canara bank /Thiruvanniyur branch in favour of M/s. Anutone Acoustics Limited is enclosed herewith.

Delivery time - 1000 Nos Immediate and balance 2473 Nos - 1000 Nos every 10 days till 20.09.2010.

The materials should be delivered at our premises (door delivery) and materials should be covered with Insurance up to Kalakshetra Foundation/Chennai.

The above supply order should be effected and completed in all respects by 20.09.2010. If the progress of the supply is found to be not satisfactory or the supply is not completed in all respects as per the schedule as mentioned above, this supply order will automatically cease without notice and without assigning any reason and you have to return the advance amount with interest at the rate of 12% P.A.

Kindly acknowledge receipt of the letter.

Yours faithfully,

for Leela Samson
Director

Encl: as above.

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Director
24/8

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Founder: Smt. Rukmini Devi
Chairman: Justice Sri S. Mohan
Director and Secretary: Ms. Leela Samson

Recd
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alay with adv
30% Adv
chg
19/8/10

Tiruvanniyur, Chennai 600 041, India
Phone: +91-(0)44-24520836/4057/1844 • Fax: +91-(0)44-24524359
E-mail: admin@kalakshetra.in • Website: www.kalakshetra.in

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ANNEXURE

Koothambalam – Roof board insulation with Anutone boards fixing -
Kalakshetra Foundation – Details of work.

Sl.No.	Description of items	Quantity as specified	Rate	Amount in Rs.
1	Supply of Anutone board as specified by the consultant	Actual quantity Ordered as suggested 2500 Sqm	-----	Arranged by Kalakshetra Foundation at free of cost
2	Labour for fixing Anutone sheet including cutting and placing in position	2550 Sqm.	Rs. 130 /Sqm	3,31,500.00
3	Removing and refit the existing battens available at site for the roof	10 Cum	Rs.55,000/Cum	5,50,000.00
4	Providing and fixing C.P.Teak over existing batten as per the item No. 126 in the main work order	15 Cum	Rs.1,50,000/Cum	22,50,000.00
5	Prepare surface and apply one coat approved water bound emulsion paint	2550 Sqm	Rs.55.00/Sqm	1,40,250.00
Total				Rs.32,71,750.00

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Please note that the basic cost of timber to be used for the work, quoted in the tender will remain valid till completion of the work, and any variation in the basic cost already quoted by you, should be allowed, only with prior approval from the works committee.

During the period of execution of work, if the work of the contractor is found to be not satisfactory and specification / details or if there is considerable delay in progress, the contract is liable to be terminated without notice and also without assigning any reason.

The receipt of this letter may please be acknowledged for having agreed for the terms and returned.

Before commencing the work, a formal agreement may be entered, incorporating the terms and conditions given in the tender schedule.

Thanking you,

Yours faithfully,

Leela Samson
Leela Samson
DIRECTOR. *24/8*

Received work order

[Signature]
FOR CHENNAI ENGINEERS
Proprietor.
24/8/10

Copy to

Mr. Ravi Nilakantan
Consulting Architect.

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C:\2009-2010\V.Admin\2. Engineering\i.Plan\Koothambalam\ additions, alteration& civil work.doc

August 18, 2010

M/s.Chennai Engineers
No.69, 2nd Cross Street,
Srinivasa Nagar,
Kulathur,
Chennai 600 099.

Sir/s,

Sub: Koothambalam – Roof board insulation with Anutone boards fixing - Kalakshetra Foundation – Award of work – Reg.

Ref: i) Your offer dated 30.07.2010 received by M/s.CARD
ii) Revised offer dated 12.08.2010 received by M/s.CARD.

Based on recommendation of works committee, The Director, Kalakshetra Foundation is pleased to accept in principle award the work of Roof board insulation with Anutone boards fixing below the Mangalore tiles for the Koothambalam in Kalakshetra Foundation, to you at a total cost of Rs.32, 71,750/-, (Rupees Thirty two lakh seventy one thousand seven hundred and fifty only) agreed item rate contract with the specifications and as per the description of work enclosed as annexure. This amount is included of VAT and Income tax and excluded of Service tax. This is a firm price and No escalation will be accepted on any account, where any particular work is decided to be withdrawn from the contract by us, there the contract value will also get reduced correspondingly. The Anutone smooth MB Primer - Ceiling – Without packing - Square Edge-1200 x 600 x 25 mm supplied to you at site at free of cost as per the quantity given by the consultant.

The work may be executed in consultation with Architect Mr.RaviNilakantan. The work should be executed by you under the supervision of a competent site Engineer /Technical persons as per the terms and conditions given by the consultant Architect

Time is the essence of the contract and the work should be completed in all respects as stated in the offer and agreed. Any delay in the completion of the work beyond prescribed date will result in levy of liquidated damages or penalty clause will be applied as per the agreement terms. No extension of time will be considered.

The claim and payment will be admitted on completion of work as per the actual execution of work, based on the measurement recorded/entered and checked, and certification by the consultant Architect.

Please note that deduction towards, income tax, VAT as applicable and 5% retention amount of bill value, which will be refunded after liability period one year subject to the performance of the work.



Handwritten signature/initials

Handwritten number 80

You may kindly revert back to us at the earliest, so that we can initiate the process to commence the work.

Thank you once again.

Yours sincerely,

Priyadarsini Govind

(Priyadarsini Govind)

Director

Enclosure: As above (Roof insulation board fixing work order and schedule of Items copy).

Copy to: 1. The Chief Engineer /SZ 1/ CPWD/ Rajaji bhavan / Chennai 90

2. The Superintending Engineer / CCD II / CPWD / Shastri bhavan /Chennai 600 006 for information please

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Item sl.No.7,8,9,10,11, 17,18,20,21,44,119,120,121,122,131,136,137,140,159,
and 161 in the schedule items

Item sl.No.1,6,6.1,14,15.1 to 15.4,17,17.1 to 17.4, 19,, 21,,23.1 to 23.3, 24,
25,28.2, 29, 33.1,34, 40 and 41 in the extra items.

For which we request you to kindly visit our project site to re look the area of work done. Apart from this, special works in nature namely Roof insulation board fixing work was directly undertaken through the consultants in the respective field as decided by our erstwhile works committee to verify the rates of items in contracts through the Government agencies, which were already awarded and executed.

It is requested that the detailed justification for roof insulation board fixing work in 2010 end – till end of 2012, may please also be worked out and intimated at the earliest.

The hard copies of schedule of items and contracts are enclosed for your perusal.

The Kalakshetra Foundation is seeking your services so that you may kindly depute or engage a suitable representative from your department to make a clear assessment of above said contract for the rate covered in the items and award of contract value justification.

We shall be much obliged for your kind help in this regard.

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ॐ नमो भगवते वासुदेवाय

Kalakshetra Foundation

F.No. 10/ 2014-15/CPWD/KMBM/KF

January 14, 2015

The Executive Engineer (Civil),
CPWD,
Chennai Central Division V,
Besant Nagar, Chennai – 90

Sir,

Sub: Koothambalam project – award of contracts – Justification of rates and award of
Contract – Clarification requested - Reg

Ref:

- i. Meeting held at office of Chief Engineer (SZ I), CPWD, G- Wing – 2nd Floor,
Rajaji Bhavan, Besant Nagar on 12.11.2014.
- ii. Detailed comparative statement for the civil work your lr No.24 (28) K /
CCD V / 14/13 dated 2.1.2015

This has reference to the subject mentioned supra and we are thankful once again for
your kind help and your prompt action in providing details of justification rates etc as
cited in ref. 2 above.

However, some of item rates mentioned in the report may require to be considered
for revision based on factual conditions in terms of the level of the work done,
scaffolding provisions, material specification, error in the total and lead length for the
work are as listed out for your consideration.

Founder: Smt Rukmini Devi



Phone: +91-(0)44-24520836/4057/1844


Fax: +91-(0)44-24524359

E-mail: admin@kalakshetra.in

www.kalakshetra.in

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Anutone Acoustics Lim Bengal 	Offer	Ref No : QF/MKT/10A
		Rev No : 08
		Rev Date : 1/10/2008
		Page No : 1 of 2

Offer- Domestic	
AAL / CHN / 219	Date : 07.08.2010
Client details - Invoicing	Client Details - Delivery
M/s. The Director , Kalakshetra Foundation Chennai Ph: 044 2452 4057 director@kalakshetra.in works@kalakshetra.in	
Contact Person : Mr. Srinivasan / 97104-78893	Project Kalakshetra Hall
SoundSelec protocol SoundSuite	Architect Ravi Nilakandan
Application Ceiling	Consultant Sound Wizard
	Contractor Self

Offer/Order for products to enhance your living experience

DETAILS	UoM (M ²)	Rate (M ²)	UoM (Nos)	Rate (Nos)	Amount (INR)
Ceiling					
1 AnutoneSmooth MB Primer (Without Packing) Square Edge 1200 x 600 x25mm	2500.56	854.5	3473	615.24	2136728.52
Net Amount					2,136,728.52
Less: Trade Discount on net (as per policy, if applicable)					10% 213,672.85
Net Value					1,923,055.67
Add: Transit Insurance on Systems Sub-total + ED + VAT					0.70% 13,461.39
Add: Surcharge 1 on net (if applicable) SKU for					
Add: Surcharge 2 on net (if applicable)					
Add: Miscellaneous Charges (taxable) Special profiling,					
Systems Sub-total					1,936,517.06
VAT #	Add: VAT/CST on Systems Sub-total + ED				13.50% 261,430.00
ED #	Add: Miscellaneous Charges (non-taxable)				LS
CST #	Add: Excise Duty on Systems Sub-total				
	Add: Forwarding on Systems Sub-total Transportation and Unloading Charges				42,000.00
	Add: Octroi on Systems Landed Value (if applicable)				
Grand Total Amount					2,239,947.00

Amount in Words : Twenty Two Lakhs Thirty Nine Thousand Nine Hundred and Forty Seven Only.

Terms	
1) Investment Basis	Ex-SoundzShope - Mumbai for Absol and Bangalore for Ekcel
2) Transit Particulars	Mode of Transport - Road / Rail / Air Freight To-pay / Prepaid / To be Billed Consignment- Full / Part
3) Statutory Particulars	TIN # CST # Enclosures
4) Payment Terms	30/100% Advance along with PO. Balance within 2 days from date of delivery.
5) Payment Particulars	Payment 1 DD # Date : Payment 2 DD # Date :
6) Statutory Levy	Service Tax, Works Contract Tax, Central Excise Duty, Central Sales Tax, Value Added Tax
7) Delivery	1000 Nos immediate balance 1000 Nos Every 10 days
8) Validity	Till the end of the current month only. Please always refer to Anutone if this investment offer

For M/s. The Director ,,		For Anutone Acoustics Limited	
Authorised Signatory		Authorised Signatory	
Name	Designation	Name : Shabeer Ahmed .K	Designation: Sr.Area
For internal office use		Assumptions for Offer	
Authorised by		Quoted quantities are based on client's indent. Attic Stock/Wastage quantities are included in the client's indent.	



ANNEXURE

S.No	Particulars of items	Quantity	Rate per Sqm.	Amount In Rs.
1	Anutone smooth MB Primer - Ceiling - (Without packing) Square Edge-1200 x 600 x 25 mm	2500.56Sqm. OR 3473 Nos	Rs.856.40 /Sqm OR Rs.615.24/No	21,36,728.52 2,13,672.85
2	Less : Trade Discount on net 10%			19,23,055.67
3	Net Value			13,461.39
4	Add transit insurance @ 0.7%			19,36,517.06
	Sub total + ED+ VAT			2,61,430.00
5	Sub- Total			42,000.00
6	Add VAT/CST sub total + ED @ 13.5%			22,39,947.00
7	Add Forwarding sub total - transportation and unloading charges			
	Grand total amount			

(Rupees twenty two lakh thirty nine thousand nine hundred and forty seven only)

Delivery time - 1000 Nos Immediate and balance 2473 Nos - 1000 Nos every 10 days till 20.09.2010.

Payment terms: 30% Advance along with supply order and balance within 2 days from the date of delivery.

M/s. Anutone Walls & Ceilings
(A division of Anutone Acoustics Limited),
B 5, 2nd floor, Gems court,
No.14, Khader Nawaz Khan Road,
Nungambakkam,
Chennai 600 006.

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Kalakshetra Foundation

Kind a Hanhi : Sha S. B. Navin.
GM - Projects Marketing - O.A.E
an pw om tele-talk today.

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T.S. YURTHI
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KF

C:\2010-2011\Koothambalam\Roofing anutone board work.doc August 18, 2010

M/s. Anutone Walls & Ceilings
(A division of Anutone Acoustics Limited),
B 5, 2nd floor, Gems court,
No.14, Khader Nawaz Khan Road,
Nungambakkam,
Chennai 600 006.



FAX NO: 2833 0907

Sir(s)

Sub: Koothambalam - Kalakshetra Foundation - Supply of Anutone Smooth MB Primer Boards for Ceiling - supply order - Reg.

Ref: Your offer No. QF/MKT/10A dated 07.08.2010

The Director, Kalakshetra Foundation is pleased to award the Supplying of Anutone Smooth MB Primer boards at a total cost of Rs. 22,39,947/- (Rupees twenty two lakh thirty nine thousand nine hundred and forty seven only) as per the Annexure specification, terms and condition, enclosed herewith in all respects. This is a firm rate contract. No escalation will be paid on account.

As per the terms, an advance amount of Rs.5,76,920/- (30% of Rs. 19,23,055/- Net value) Vide cheque No. 341843 Dated 19.08.10 drawn in canara bank /Thiruvannmiyur branch in favour of M/s. Anutone Acoustics Limited is enclosed herewith.

Delivery time - 1000 Nos Immediate and balance 2473 Nos - 1000 Nos every 10 days till 20.09.2010.

The materials should be delivered at our premises (door delivery) and materials should be covered with Insurance up to Kalakshetra Foundation/Chennai.

The above supply order should be effected and completed in all respects by 20.09.2010. If the progress of the supply is found to be not satisfactory or the supply is not completed in all respects as per the schedule as mentioned above, this supply order will automatically cease without notice and without assigning any reason and you have to return the advance amount with interest at the rate of 12% P.A.

Kindly acknowledge receipt of the letter.

Yours faithfully,

for Leela Samson
Director

Encl: as above.

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Recd work and
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30% Amt y
chg
19/8/10

Founder: Smt. Rukmini Devi
Chairman: Justice Sri S. Mohan
Director and Secretary: Ms. Leela Samson

Tiruvannmiyur, Chennai 600 041, India
Phone: +91-(0)44-24520836/4057/1844 • Fax: +91-(0)44-24524359
E-mail: admin@kalakshetra.in • Website: www.kalakshetra.in



ANNEXURE

Koothambalam – Roof board insulation with Anutone boards fixing -
Kalakshetra Foundation – Details of work.

Sl.No.	Description of items	Quantity as specified	Rate	Amount in Rs.
1	Supply of Anutone board as specified by the consultant	Actual quantity Ordered as suggested 2500 Sqm	-----	Arranged by Kalakshetra Foundation at free of cost
2	Labour for fixing Anutone sheet including cutting and placing in position	2550 Sqm.	Rs. 130 /Sqm	3,31,500.00
3	Removing and refit the existing battens available at site for the roof	10 Cum	Rs.55,000/Cum	5,50,000.00
4	Providing and fixing C.P.Teak over existing batten as per the item No. 126 in the main work order	15 Cum	Rs.1,50,000/Cum	22,50,000.00
5	Prepare surface and apply one coat approved water bound emulsion paint	2550 Sqm	Rs.55.00/Sqm	1,40,250.00
Total				Rs.32,71,750.00

(91)

(73)

Please note that the basic cost of timber to be used for the work, quoted in the tender will remain valid till completion of the work, and any variation in the basic cost already quoted by you, should be allowed, only with prior approval from the works committee.

During the period of execution of work, if the work of the contractor is found to be not satisfactory and specification / details or if there is considerable delay in progress, the contract is liable to be terminated without notice and also without assigning any reason.

The receipt of this letter may please be acknowledged for having agreed for the terms and returned.

Before commencing the work, a formal agreement may be entered, incorporating the terms and conditions given in the tender schedule.

Thanking you,

Yours faithfully,

Leela Samson
Leela Samson
DIRECTOR. *24/8*

Received work order

[Signature]
for CHENNAI ENGINEERS
Proprietor.
24/8/10

Copy to

Mr. Ravi Nilakantan
Consulting Architect,

92

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C:\ 2009-2010\V.Admin\2. Engineering\i.Plan\Koothambalam\ additions, alteration& civil work.doc

August 18, 2010

M/s.Chennai Engineers
No.69, 2nd Cross Street,
Srinivasa Nagar,
Kulathur,
Chennai 600 099.

Sir/s,

Sub: Koothambalam – Roof board insulation with Anutone boards fixing - Kalakshetra Foundation – Award of work – Reg.

Ref: i) Your offer dated 30.07.2010 received by M/s.CARD
ii) Revised offer dated 12.08.2010 received by M/s.CARD.

Based on recommendation of works committee, The Director, Kalakshetra Foundation is pleased to accept in principle award the work of Roof board insulation with Anutone boards fixing below the Mangalore tiles for the Koothambalam in Kalakshetra Foundation, to you at a total cost of Rs.32, 71,750/-, (Rupees Thirty two lakh seventy one thousand seven hundred and fifty only) agreed item rate contract with the specifications and as per the description of work enclosed as annexure. This amount is included of VAT and Income tax and excluded of Service tax. This is a firm price and No escalation will be accepted on any account, where any particular work is decided to be withdrawn from the contract by us, there the contract value will also get reduced correspondingly. The Anutone smooth MB Primer - Ceiling – Without packing - Square Edge-1200 x 600 x 25 mm supplied to you at site at free of cost as per the quantity given by the consultant.

The work may be executed in consultation with Architect Mr.RaviNilakantan. The work should be executed by you under the supervision of a competent site Engineer /Technical persons as per the terms and conditions given by the consultant Architect

Time is the essence of the contract and the work should be completed in all respects as stated in the offer and agreed. Any delay in the completion of the work beyond prescribed date will result in levy of liquidated damages or penalty clause will be applied as per the agreement terms. No extension of time will be considered.

The claim and payment will be admitted on completion of work as per the actual execution of work, based on the measurement recorded/entered and checked, and certification by the consultant Architect.

Please note that deduction towards, income tax, VAT as applicable and 5% retention amount of bill value, which will be refunded after liability period one year subject to the performance of the work.

2

Founder: Smt. Rukmini Devi
Chairman: Justice Sri S. Mohan
Director and Secretary: Ms. Leela Samson

93

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Tiruvanniyur, Chennai 600 041, India
Phone: +91-(0)44-24520836/4057/1844 • Fax: +91-(0)44-24524359
E-mail: admin@kalakshetra.in • Website: www.kalakshetra.in



You may kindly revert back to us at the earliest, so that we can initiate the process to commence the work.

Thank you once again.

Yours sincerely,

Priyadarsini Govind

(Priyadarsini Govind)

Director

Enclosure: As above (Roof insulation board fixing work order and schedule of Items copy).

Copy to: 1. The Chief Engineer /SZ 1/ CPWD/ Rajaji bhavan / Chennai 90

2. The Superintending Engineer / CCD II / CPWD / Shastri bhavan /Chennai 600 006 for information please

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Item sl.No.7,8,9,10,11, 17,18,20,21,44,119,120,121,122,131,136,137,140,159,
and 161 in the schedule items

Item sl.No.1,6,6.1,14,15.1 to 15.4,17,17.1 to 17.4, 19,, 21,,23.1 to 23.3, 24,
25,28.2, 29, 33.1,34, 40 and 41 in the extra items.

For which we request you to kindly visit our project site to re look the area of work done. Apart from this, special works in nature namely Roof insulation board fixing work was directly undertaken through the consultants in the respective field as decided by our erstwhile works committee to verify the rates of items in contracts through the Government agencies, which were already awarded and executed.

It is requested that the detailed justification for roof insulation board fixing work in 2010 end – till end of 2012, may please also be worked out and intimated at the earliest.

The hard copies of schedule of items and contracts are enclosed for your perusal.

The Kalakshetra Foundation is seeking your services so that you may kindly depute or engage a suitable representative from your department to make a clear assessment of above said contract for the rate covered in the items and award of contract value justification.

We shall be much obliged for your kind help in this regard.

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Kalakshetra Foundation

F.No. 10/ 2014-15/CPWD/KMBM/KF

January 14, 2015

The Executive Engineer (Civil),
CPWD,
Chennai Central Division V,
Besant Nagar, Chennai – 90

19 Jan

Sir,

Sub: Koothambalam project – award of contracts – Justification of rates and award of Contract – Clarification requested - Reg

Ref:

- i. Meeting held at office of Chief Engineer (SZ I), CPWD, G- Wing – 2nd Floor, Rajaji Bhavan, Besant Nagar on 12.11.2014.
- ii. Detailed comparative statement for the civil work your lr No.24 (28) K / CCD V / 14/13 dated 2.1.2015

This has reference to the subject mentioned supra and we are thankful once again for your kind help and your prompt action in providing details of justification rates etc as cited in ref. 2 above.

However, some of item rates mentioned in the report may require to be considered for revision based on factual conditions in terms of the level of the work done, scaffolding provisions, material specification, error in the total and lead length for the work are as listed out for your consideration.

Received
for

Founder: Smt Rukmini Devi



Phone: +91-(0)44-24520836/4057/1844

Fax: +91-(0)44-24524359

E-mail: admin@kalakshetra.in

www.kalakshetra.in

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CHENNAI CENTRAL DIVISION V, CPWD
BESANT NAGAR, CHENNAI - 90



T.R. கிருஷ்ண செட்டி கம்பெனி
T.R. KRISHNA CHETTY COMPANY
 WHOLESALE & RETAIL CLOTH MERCHANT
 Old 91, GODOWN STREET, CHENNAI - 1.

ADYAR STUDENTS XEROX (P) LTD
 NO.65/1, VALNEERI STREET
 THIRUVANKKIYUR
 CHENNAI 600041 - PH 42113030, Ex-no:22

No. 997

Date: 21/2/15

M/s: Kalakshetra Foundation

CASH BILL

Bill No: 62
 Bill Date: 23-01-2015 Bill Time: 12:56:46

Particulars	Qty	Rate (Rs)	Amount (Rs)
AO PLAN B&W	6	175	1050.00
PLAN B&W XER 10		40.00	400.00
PLAN B&W XER 16		30.00	480.00
PLAN B&W XER 12		30.00	360.00

GRAND TOTAL: 2290.00

RECEIVED CASH: 2290.00

COLOUR PRINTING, LASER, XEROX, BINDING,
 LAMINATION, THESIS, WORK DONE HERE.

Rate	PARTICULARS	Quantity	Amount Rs.
38/	Grache	15	570
		Rep	
484			
	Rs 570/		
SECURITY Dept KALAKSHETRA FOUNDATION THIRUVANKKIYUR CHENNAI - 600 041			570

Goods once sold cannot be taken back
 Guarantee Fast Colour
 We are not responsible for any loss or damage in transit
 For T.R.K. CHETTY COMPANY

2290
 570

 2860
 3000/-
 approved at 21.1.2015
 28.01.2015

Advance of Rs. 3000.00
 Received bills. 2860.00
 Balance 140.00

Towards cost of lakshmi xerox of dept sent to

The above bills are submitted for approval. kindly
 and adjustment of accounts please.

[Signature]

[Signature]
 AO

[Signature]
 CAO

97

[Signature]
 Director

Apart from this, special works in nature namely up gradation sound system, stage lighting & mechanized curtain system and traditional sand stone sculpture works, were directly undertaken through the consultants who in the respective field as decided by our works committee. All the works pertaining to civil, electrical, HVAC, sound system, stage lighting, statue fixing and slab cooling works were stopped as per the direction.

Recently, the works committee had pointed out that the details of the contractor and contract issues may be sort it out before proceeding the part B – Phase II works to be done in the Koothambalam before entrust the works to CPWD.

The works committee/ Kalakshetra Foundation seeking your services /assistance in terms of contractual related issues with existing contractor in terms of contract management services to sort out the issues.

The hard copies of schedule of items/ contracts / agreements for the works are enclosed for your perusal and consideration please.

We shall be much obliged for your kind help in this regard.

Any fee payable to CPWD may please be intimated, so that necessary arrangements can be initiated from our end.

Thanking you,

Yours faithfully,

(Priyadarsini Govind)
Director.

Enclosure: As above

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Further, it is requested that you kindly give the detailed justification rate for items covering for HVAC works, which would give a clear value of contract items rates in details for comparison. It is further requested that justification of rates for items covering in **sound system (public address system) work contract and stage lighting work contract work** may please be provided your justification of rates in details at the earliest before 10th of February 2015.

The hard copies of schedule of items ^{for HVAC} and annexure are enclosed for your perusal.

We shall be much obliged for your kind help in this regard.

Thank you once again.

Yours sincerely,

(Priyadarsini Govind)

Director

Enclosure: As above

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Draft for approval before issue


EO


AO


CAO


DIRECTOR

F.No. 10/ 2014-15/CPWD/KMBM/KF

January 27, 2015

The Superintending Engineer (Electrical),
CPWD,
Chennai Central Electrical Circle,
Shastri bhavan, , Chennai – 600 006

Sir,

Sub: Koothambalam project – HVAC work - award of contracts – Justification of rates for item wise details – requested - Reg

Ref:

- i. Meeting held at office of Chief Engineer (SZ I), CPWD, G- Wing – 2nd Floor, Rajaji Bhavan, Besant Nagar on 12.11.2014.
- ii. Your lr No.23(46)/CCEC/PB/2015/WS/107 dated 20.01.2015

This has reference to the subject mentioned supra and we are thankful once again for your kind help and your prompt action in providing details of justification rates for **internal electrical installation works, Additional Electrical works** and **HVAC works adopting plinth area rate** as cited in ref. 2 above.




The hard copies of schedule of items for HVAC and annexure (specification of items list) are enclosed for your perusal.

We shall be much obliged for your kind help in this regard.

Thank you once again.

Yours sincerely,



(Priyadarshini Govind)

Director

Enclosure: As above

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Kalakshetra Foundation

F.No. 10/ 2014-15/CPWD/KMBM/KF

January 27, 2015

The Superintending Engineer (Electrical),
CPWD,
Chennai Central Electrical Circle,
Shastri bhavan, , Chennai – 600 006

Sir,

Sub: Koothambalam project – HVAC work - award of contracts – Justification of rates for item wise details – requested - Reg

Ref:

- i. Meeting held at office of Chief Engineer (SZ I), CPWD, G- Wing – 2nd Floor, Rajaji Bhavan, Besant Nagar on 12.11.2014.
- ii. Your lr No.23(46)/CCEC/PB/2015/WS/107 dated 20.01.2015

This has reference to the subject mentioned supra and we are thankful once again for your kind help and your prompt action in providing details of justification rates for internal electrical installation works, Additional Electrical works and HVAC works adopting plinth area rate as cited in ref. 2 above.

Further, it is requested that you kindly give the detailed justification rate for items covering for HVAC works, items wise justification rates. It is further requested that justification of rates for items covering in sound system (public address system) work contract and stage lighting work contract work may please be provided your justification of rates in details at the earliest before 10th of February 2015.

Founder: Smt Rukmini Devi



Phone: +91-(0)44-24520836/4057/1844

Fax: +91-(0)44-24524359

E-mail: admin@kalakshetra.in

www.kalakshetra.in

103

69

LIST OF APPROVED MAKES

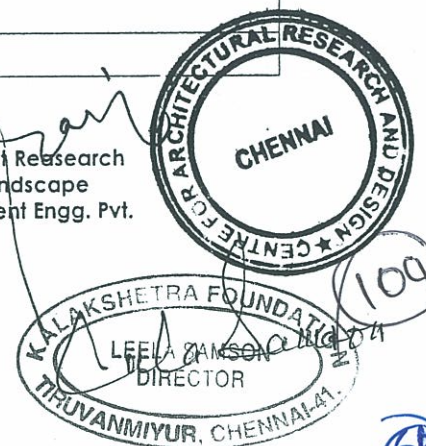
ITEM	APPROVED MAKES
Chiller	BlueStar, Clivet, Ciat, Voltas
End suction Back pull out pumps	Grundfoss, ITT Bell & Gosset, Armstrong
Lopex Air Ambiator	Toro GreenTech India
Air Handling Units	Blue Star, ETA, Zeco, Caryaire, Edgetech, Boobathy, Nutech, Suvidha
VFD	Danfoss HVAC Drive IP54
<u>Piping and Fittings</u>	
M.S./G.I.PIPES:	
Up to 150mm diameter	BST, GST, TATA, Jindal.
Butterfly valve	Audco, Advance , Inter valve, Danfoss
Motorized Butterfly valve	Belimo, Audco, Danfoss
Balancing valve	TA Hydronics, Danfoss, Advance
Non-return valve	Audco, Advance, Inter valve
'Y' Strainer	Emerald, Sant, Trishul, DS Engineering
Two way motorized valve (including Modulating motor)	Honeywell, Johnson Controls, Siemens, Danfoss, Belimo, Sauter
Thermostat	Honeywell, Johnson Controls, Siemens
Water Flow Switch	Honeywell, Johnson Control, Sauter. Anergy
Temp/ Pressure Gauge	Fiebieg, H Guru Taylor,
Air Purge	Anergy
Ball Valves	Zoloto, Audco, Kim, Leader
Air Separator	Anergy, Grundfos
Vibration Isolators/Flexible Connectors	Resistoflex, Dunlop, Cori
<u>Ducting and Accessories</u>	
GI Sheets	TATA/HSL/SAIL/Jindal
Aluminum Grilles Diffusers/ Linear Grilles / Jet Nozzles	Dynacraft, Ravistar, Air Master , Cosmic
Volume Control Damper	Dynacraft, Ravistar, Air Master , Cosmic
Collar Dampers	Dynacraft, Ravistar, Air Master , Cosmic
Silencers	Ruskin
<u>Insulation</u>	
Fiber glass	UP Twiga, Kimmco, Owens corning
Electrometric Nitrile Rubber - Class 'O' as per BS 476 Part 6 & 7	Armacell, Thermo Break
HVLS Fans	Big Ass

Last Modified: 18th Aug 2010

Ver.: R0

Architect: M/S . Centre for Architect Research & Design Architecture – Interior – Landscape
 HVAC Consultant: M/s. Air Treatment Engg. Pvt.

P. R. Rajasekar



109

The hard copies of schedule of items for HVAC and annexure (specification of items
at appd make)
list) are enclosed for your perusal.

We shall be much obliged for your kind help in this regard.

Thank you once again.

Yours sincerely,



(Priyadarsini Govind)

Director

Enclosure: As above - HVAC work - LIST OF APPD MAKE

105
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O/c

F.No. 10/ 2014-15/CPWD/KMBM/KF

January 27, 2015

The Superintending Engineer (Electrical),
CPWD,
Chennai Central Electrical Circle,
Shastri bhavan, , Chennai – 600 006

Sir,

Sub: Koothambalam project – HVAC work - award of contracts – Justification of rates for item wise details – requested - Reg

Ref:

- i. Meeting held at office of Chief Engineer (SZ I), CPWD, G- Wing – 2nd Floor, Rajaji Bhavan, Besant Nagar on 12.11.2014.
- ii. Your lr No.23(46)/CCEC/PB/2015/WS/107 dated 20.01.2015

This has reference to the subject mentioned supra and we are thankful once again for your kind help and your prompt action in providing details of justification rates for **internal electrical installation works, Additional Electrical works and HVAC works adopting plinth area rate** as cited in ref. 2 above.

Further, it is requested that you kindly give the detailed justification rate for items covering for HVAC works, items wise justification rates. It is further requested that justification of rates for items covering in **sound system (public address system) work contract** ^{Slab cooling work} and **stage lighting work contract work** may please be provided your justification of rates in details at the earliest before 10th of February 2015.

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ITEM NO.	DESCRIPTION	BILL		SUPPLY (Rs.)		ERECTION (Rs.)		
		Qty	Unit	RATE	AMOUNT	Qty	RATE	AMOUNT
	Supplying, laying of Heavy duty PVC conduit laid in floor / concealed in wall / partitions with accessories, necessary clamps, screws etc.							
a	25 mm. dia PVC Conduits	300	Mts	35	10,500.00	200	10	2,000.00
11	Charges of laying for speaker cable laying in Tray / wall / ceiling or open above false ceiling with necessary clamps screws etc.							
a	12 core balanced audio cable (mistrail mcf 12)					257.5	50	12,875.00
b	8 core balanced audio cable (Planet fmc 08)					59	40	2,360.00
c	6.0 sqmm speaker cable (meridian sp 260)					294	35	10,290.00
d	1core balanced audio cable (sc - source mkii)					107	35	3,745.00
e	4 sqmm speaker cable (NYFAZ)					646.5	35	22,627.50
f	Binary 434 cable						30	
	Total			2306190	23,21,490.00	725530	3071205	3,07,620.50
	Discount 3 %			69185.7	(69,644.70)		9170.42	(9,228.62)
	Total			2237004	22,51,845.30	296510.1	2,98,391.89	
	Add: Service Tax 10.3% on Erection						30540.5	(30,734.00)
	Total			2237004	22,51,845.30	327050.64	3,29,125.89	
	Grand Total						2564054	25,80,971.19

(Rupees Twenty Five Lakhs Eighty Thousand Nine Hundred and Seventy one Only)

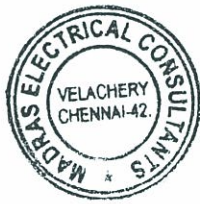
Handwritten notes:
 10) - 13500/-
 21 - 5407.50
 21 - 1238
 96 - 6174
 16 - 1712
 10344
 86380.57
 863851/-

checked and verified

FOR KEVIN ELECTRICALS PVT. LTD.,

[Signature]
 Managing Director

T. No. [unclear]



[Signature]

Handwritten calculations:
 69,185.70
 20,379.70
 1,78,190.00
 3,07,620.50
 30,734.00
 25,80,971.19

107

586

ation Sheet

Kevin Electricals Pvt. Ltd.,

ITEM NO.	DESCRIPTION	BILL		SUPPLY (Rs.)		ERECTION (Rs.)		
		Qty	Unit	RATE	AMOUNT	Qty	RATE	AMOUNT
2	Supplying, fixing of Ceiling fan box with necessary clamps, screws etc.	58	Nos	170	9,860.00	58	75	4,350.00
3	Supplying, Erecting, Testing & commissioning FLOOR MOUNTED CUBICLE TYPE 14 SWG thick CRCA sheet compartmentalised modular type with powder coated door type POWER TRUNKING BOX. (250 X 250 X 200 mm)With 32 Amps 3pin metal clade socet with top. necessary support,clamps screws and all accessories etc.	20	Nos	4,100	82,000.00	20	650	13,000.00
4	Supplying, Erecting, Testing & commissioning FLOOR/WALL MOUNTED CUBICLE TYPE 14 SWG thick CRCA sheet compartmentalised modular type with powder coated door type cable connector box. (450 X 300 X 150 mm)With 25 Amps clip on type terminal block connector necessary support,clamps screws and all accessories etc.	8	Nos	2,500	20,000.00	4	550	2,200.00
5	Supplying, wiring, connecting and commissioning the light points with 3 Runs of 1.5 Sq. mm. PVC insulated multistranded Copper Conductor wires (One each for Phase, Neutral and Earth) in Heavy duty PVC Conduits concealed in wall / ceiling or open above false ceiling with necessary clamps screws etc.	2000	Mts	85	1,70,000.00	1539	30	46,170.00
6	Supplying, laying, connecting & commissioning 3 core 2.5 Sq.mm.PVC Insulated flexiable copper cable in already laid PVC Conduits (or) open in ceiling or concealed in wall / ceiling with necessary lamps, screws etc from DB to stage focus light point.	900	Mts	85	76,500.00	185	15	2,775.00
7	Charges for laying, Removing and Reerecting the following GI TRUNKING with cover of 1.6 mm. Thick embedded in the floor (or) open in ceiling / laid in below false flooring with thread rod and rail supports including of L shape,T shape and necessary support,clamps screws and all accessories etc.							
a	100 x 45 mm					63	300	18,900.00
b	150 x 45 mm					47	330	15,510.00
c	200 x 45 mm.					65	390	25,350.00
8	Supplying, wiring, connecting and commissioning the light points with 3 Runs of 1.5 Sq. mm. PVC insulated multistranded Copper Conductor wires (One each for Phase, Neutral and Earth) in Heavy duty PVC Conduits concealed in wall / ceiling or open above false ceiling with necessary clamps screws etc. including supplying and fixing 6 Amps. Switch in manufacturers mounting box fixed flush with the wall.							
a	One Light Controlled by one Switch	40	Pts.	925	37,000.00	10	120	1,200.00
b	Same as above item with additional light point.	65	Pts.	490	31,850.00	40	90	3,600.00
9	Charges of core cutting for speaker cabling							
	Length of 250mm X 75mm Dia	6				6	937.50	5,625.00
	Length of 650mm X 50mm Dia	11				11	2,275.00	25,025.00
	Length of 250mm X 50mm Dia	10				10	875.00	8,750.00
10	EMPTY PVC CONDUITS							

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S. Ra. Singh

FOR KEVIN ELECTRICALS PVT. LTD.,

Managing Director

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Revisions

Bill Sheet

Kevin Electricals Pvt. Ltd.,

Just find out

ITEM NO.	DESCRIPTION	BILL		SUPPLY (Rs.)		ERECTION (Rs.)		
		Qty	Unit	RATE	AMOUNT	Qty	RATE	AMOUNT
10.02.00	Supplying, fabricating, erecting, connecting & commissioning of the Perforated type GI Cable Trays with necessary Angle irons for cable supports and other allied fabrication works. Fixing to concrete surfaces shall be done with the help of expandable type anchor fastners capable of bearing a weight of 500 Kgs. Fixing to brick walls shall be done with grouting. The distance between two supports shall be 2000mm. The materials and labour for grouting, cable supports and Provision for fixing allied fabrication work shall supplied by the contractor with provision for fixing GI flats Throughout with connection point once every mtrs. on both sides all supports shall be with threaded rods once every 1500mm.							
	300 mm (w) x 50 mm (H)	25	Mtrs	550	13,750.00	14.3	100	1,430.00
10.03.00	Supplying, erecting, connecting & commissioning of the 6 mm thread rod with slotted channel supports and welded in the stress supports for the GI trunking and related to all accessories etc.	300	Mtrs	160	48,000.00	100	50	5,000.00
11.00.00	GI TRUNKING							
	Supplying, fabricating, laying and connecting the following GI TRUNKING with cover of 1.6 mm. Thick embedded in the floor (or) open in ceiling / laid in below false flooring with thread rod and rail supports including of L shape, T shape and necessary support, clamps screws and all accessories etc.							
	100 x 45 mm	150	Mts	350	52,500.00	119.2	60	7,152.00
	150 x 45 mm	100	Mts	425	63,750.00	46	75	3,450.00
	200 x 45 mm.	120	Mts	475	80,750.00	97.2	90	8,748.00
13.00.00	EMPTY PVC CONDUITS							
13.01.00	Supplying, laying of Heavy duty PVC conduit laid in floor / concealed in wall / partitions with accessories, necessary clamps, screws etc.							
13.01.01	25 mm. dia PVC Conduits	500	Mts	35	17,500.00	338	10	3,380.00
13.01.02	32 mm. dia PVC Conduits	100	Mts	40	4,000.00	65	10	650.00
13.01.04	60 mm. dia PVC Conduits	100	Mts	75	7,500.00	85	20	1,700.00
16.00.00	JUNCTION BOXES							
16.01.00	Supplying, erecting 14 G thick Junction boxes with cover of 40 mm. height of suitable sizes as per Site conditions. The Junction boxes shall be fixed flush with the floor (powder coated)	40	SQ.FT	120	4,800.00	25.2	25	630.00
	ADDITIONAL ITEMS							
	Supplying, fixing of Foot lamp box with front plate and necessary clamps, screws etc.	9	Nos	570	5,130.00	9	150	1,350.00

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B. R. Sanyal

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For KEVIN ELECTRICALS PVT. LTD.,

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Managing Director

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	2 KVAR - 2 Nos				
	1 KVAR - 1 Nos				
	1 No. Class 1.0 96 Sq.mm Digital Power Factor Meter.	2	Sets	81,540	163,080
19.00.00	SAFETY EQUIPMENTS				
19.01.00	Supplying, erecting and connecting a 5 KG FIRE EXTINGUISHER properly fixed on the wall with necessary clamps, screws, bolts and nuts etc. The extinguisher shall be suitable for all types of fires (A, B & C).	5	NOS	3,379 3379	16,895
19.02.00	Supplying, erecting and connecting Treatment Chart in English and Tamil directly fixed on to the wall with necessary screws etc.	4	NOS.	370	1,480
19.03.00	Supplying 440 V Gloves	2	SET	500	1,000
19.04.00	Supplying, and laying 1800 mm. x 1200 mm x 6 mm. thick ISI Marked Rubber mats to be laid in Front of the Panel Boards.	10	NOS.	1,590	15,900
19.05.00	Supplying and fixing 440 V Danger Board.	3	NOS.	161	483
19.06.00	First Aid Box	2	SET	545	1,090
20.00.00	MISCELLANEOUS				
20.01.00	Providing Temporary lighting at site complete with wiring 20 Nos. of 1 x 40 W tube light fitting.	1	LS	9,619 9504	9,619 9504
20.02.00	Liasion with Electricity Board to avail 1 CT Meter Board connections including submission of Application Forms and other associated works.	1	LS	125,000	125,000
20.03.00	Liasion with Electricity Board for enhancement of 1 no 100 Amps energy meter to CT Meter Board connections including submission of Application Forms and other associated works.	1	LS	25,000	25,000
20.04.00	Shifting of pillar box with cable routing with EB person and related to necessary accessories etc. approximate shifted distance is 25 mtr.	1	LS	6,584 3910	6,584 3910
20.05.00	LT cable route maker	20	Sets	346 338	6,920 6760
20.06.00	Supplying, erecting, connecting & commissioning WEATHER PROOF HENSEL MAKE JUNCTION BOXES with 6 - 20 Amps SP c curve MCB and supports, Connector and necessary accessories.	15	Sets	1,510 1503	22,650 22545
20.07.00	Preparation of "As Built Drawings"	1	LS	10,000	10,000
				5976901	6117183
	Rupees Sixty One Lakh Seventeen Thousand One Hundred Eighty Three Only				

Wally
Junior Engineer (E)
 CCESD-1/II, CPWD, Chennai-90

Wally
Assistant Engineer (E)
 CCESD-1/II, CPWD, Chennai-90

Sub total 59,76,901/-

Tender cost 50,60,591/-

Tender cost Rs 50,60,591/- 15.33%

below of the

Total is 59,76,901/-

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PLG P

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14.04.00	Fixing,connecting and commissioning of 2 x18 W PL SPOT LIGHT FITTING RECESSED DOWN LIGHTER,of PHILIPS MAKE FBS/145/218L with Horizontal lamp position (or) equivalent	50	Nos	84 84	4,200 ✓
14.05.00	Fixing,connecting and commissioning of 1x 40W PATTI TYPE FITTING PHILIPS MAKE TMC55/136HF fixing in the ceiling with all necessary accessories.	50	Nos	33	1,650 ✓
14.06.00	Fixing,connecting and commissioning of 2 x36 W CFL RECESSED PHILIPS MAKE FBS470/236 AGHFPS P5 236 (or) equivalent with Electronic Ballast complete fixing in the false ceiling with all necessary accessories.	30	Nos	156 156	4,680 ✓
15.00.00	LIGHT FIXTURES (EXTERNAL)				
	Note : Only Light Fitting and Lamp will be supplied by Client. All other accessories like clamps, screws etc., shall be included in the erection rates.				
15.01.00	Fixing, connecting and commissioning of BOLLARD LIGHT FITTING OF PHILIPS MAKE CAT # HS 360 1x PL C 18 FOR shall be mounted on already constructed pedestal with necessary Weather Proof Junctionboxes,interconnections between the Junction box and the fitting shall be done with 3 Runs of 2.5 Sq.mm. PVC Insulated copper conductor wires in 2 mm. thick PVC conduits concealed in gate pillar with necessary clamps, screws etc. The Junction box shall be made out of 2 mm. thick M.S. Sheet painted with two coats of red oxide primer, 2 A rewirable Fuse units, 1 No. 5 A One way Switch loop in loop out arrangements concealed in the wall of gate pillar.	30	NOS.	1,133 1118	33,990 33,540 ✓
15.02.00	Fixing, connecting and commissioning Bulk Head Light fittings to be fixed on the Compound Wall with necessary accessories required for the job.	10	Nos	55 55	550 ✓
16.00.00	JUNCTION BOXES				
16.01.00	Supplying, erecting 14 G thick Junction boxes with cover of 40 mm. height of suitable sizes as per Site conditions. The Junction boxes shall be fixed flush with the floor (powder coated)	500	SQ.FT	150 120	99,500 78,000 ✓
17.00.00	ADVANCED TYPE LIGHTNING PROTECTION				
17.01.00	Supplying, erecting, connecting and commissioning the Dynosphere (CSE TYPE) with necessary foundation plate, mounting screws / bolts, and other associated accessories to complete the system to function.	1	Set	98,578 783 98032	98,578 98032 ✓
17.02.00	Supplying, laying, connecting and commissioning 75 KV 36 mm dia special copper cable(only meant for these applications) in G I pipe for protection of the cable with necessary accessories as required .	140	Mtrs	709 654	99,260 97160 ✓
17.03.00	Supplying, providing and connecting Eath Gel in the Earth Electrode with necessary accessories. As required by the system	3	Sets	15,565	46,695 ✓
17.04.00	Supplying, erecting, connecting and commissioning a Lightning Event Counter of digital type in weather proof enclosure with necessary accessories.,	1	Set	21,741 21742	21,741 ✓
17.05.00	Tesing and commissioning of the System (Lumpsum)	1	Set	5,668	5,668 ✓
18.00.00	AUTO POWER FACTOR CAPACITOR BANK				
	Supplying, erecting and commissioning of 60 KVAR APFC in the enclosed MS Enclosure with all interconnections of Capacitor Bank for 12 Step Relay APFC shall be incorporated to maintain power factor suitable to accommodate the following capacitor bank with all interconnections				
	10 KVAR - 3 Nos				
	5 KVAR - 3 Nos				
	3 KVAR - 3 Nos				

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10.02.00	Supplying, fabricating, erecting, connecting & commissioning of the Perforated type GI Cable Trays with necessary Angle irons for cable supports and other allied fabrication works. Fixing to concrete surfaces shall be done with the help of expandable type anchor fastners capable of bearing a weight of 500 Kgs. Fixing to brick walls shall be done with grouting. The distance between two supports shall be 2000mm. Thematerials and labour for grouting, cable supportsand Provision for fixing allied fabrication work shall supplied by the contractor with provision for fixing Gi flats Throughout with connection point once every Mtrs on both sides all supports shall be with threaded rods once every 1500mm.				
	600 mm (w) x 50 mm (H)	75	Mtrs	934	70,050
	450 mm (w) x 50 mm (H)	75	Mtrs	777	58,275
	300 mm (w) x 50 mm (H)	100	Mtrs	671	67,100
10.03.00	Supplying,erecting,connecting & commissioning of the 6 mm thread rod with slotted channel supports and welded in the stress supports for the GI trunking and related to all accessories etc.	300	Mtrs	276	82,800
11.00.00	GI TRUNKING				
	Supplying, fabricating, laying and connecting the following GI TRUNKING with cover of 1.6 mm. Thick embedded in the floor (or) open in ceiling / laid in below false flooring with thread rod and rail supports including of L shape,T shape and necessary support,clamps screws and all accessories etc.				
	100 x 45 mm	200	MTS	380	76,000
	150 x 45 mm	100	MTS	480	48,000
	200 x 45 mm.	50	MTS	604	30,200
12.00.00	ERECTING OF SPEAKER EQUIPMENT.				
12.01.00	Erecting of wall mounted speaker with anchor fasterner for 10 kgs weight with supports and clamp will be supplied by cilent	100	Nos	155	15,500
12.02.00	Erecting of ceiling hung speaker with rope support upto 50 kgs weight for sub hopper with supports and clamp will be supplied by cilent	4	Set	895	3,580
12.03.00	Laying of 2 core speaker cable in trunking and conduit etc.	500	Mts	11	5,500
12.04.00	Laying of 20 core speaker cable in trunking and conduit etc.	500	Mts	16	8,000
12.05.00	Laying of 4 core speaker cable in trunking and conduit etc.	500	Mts	11	5,500
12.06.00	Erecting, flush mounted output and input module box in the wall and proper civil finishing box will be supplied by cilent	20	Nos	150	3,000
12.07.00	Erecting, flush mounted of connector terminal and make suitable for 4module powder coated ms base box for the terminal.plate and terminal will be supplied by cilent	20	Nos	133	2,660
13.00.00	EMPTY PVC CONDUITS				
13.01.00	Supplying, laying of Heavy duty PVC conduit laid in floor / concealed in wall / partitions with accessories, necessary clamps, screws etc.				
13.01.01	25 mm. dia PVC Conduits	200	Mts	46	9,200
13.01.02	32 mm. dia PVC Conduits	300	Mts	63	18,900
13.01.03	40 mm. dia PVC Conduits	50	Mts	131	6,550
13.01.04	60 mm. dia PVC Conduits	100	Mts	155	15,500
14.00.00	FIXING OF LIGHT FITTINGS (INTERNAL - COMMON AREA)				
14.01.00	Fixing, connecting and commissioning Ceiling light / chandilier / wall light Fitting with necessary accessories required for the job.	100	Nos	55	5,500
14.02.00	Supplying, fixing of Ceiling fan with necessary down rods,clamps, screws etc.	20	Nos	1,793	35,860
14.03.00	Supplying, fixing of Exhaust fan with louvres, brackets and necessary clamps, screws etc.	10	Nos	1,329	13,290

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09.02.00	Supplying, installing and connecting a Copper plate of size 600mm.x 600 mm.x 3 mm. at a depth of 3000 mm. in an earth pit of 700 x 700 x 3500 mm. filled with salt and charcoal mixed with sand in alternate layers 150 mm. each upto a height of 3000 mm. from bottom. Two copper flats of 25 x 6mm. shall be braced to this copper plate throughout the overlapping length with the copper plate and brought to the surface of the earthpit. This copper flat shall have provision for connecting wires of flats as the case may be. A suitable size of 40 mm. dia GI Pipe shall be provided upto the bottom of the earth pit. This GI Pipe shall have provision for watering through a funnel. A masonry structure shall be constructed to a depth of 450mm. and a heavy duty CI Cover shall be used to cover the pit. The cost of digging and back filling shall also be included. Sand, salt and charcoal are in the Contractor's scope.	6	Sets	15,223 15141	91,338 91,338
09.03.00	Supplying, laying and connecting 50x6mm. G.I.Tape wound in half lapped fashion with bituminous tape painted at a depth of 600mm. in ground to interconnect the earth electrodes. The tape shall not come into contact with any unnecessary metal parts (or) cables along with its route.	100	Mtrs	232	23,200
09.04.00	Supplying, laying and connecting 25 x 6mm. G.I Flat laid in open fashion with necessary clamps, screws, interlinks etc. for earthing the Panels / Stabilizer / DG body earthing etc.	300	Mtrs	130	39,000
09.05.00	Supplying, laying and connecting 25 x 6mm. CU Flat laid in open fashion with necessary clamps, screws, interlinks etc. for earthing the Panels / Stabilizer / DG neutral	100	Mtrs	872	87,200
09.06.00	Supplying, laying & connecting 500mm. long 25 x 6 mm. GI flat with SMC Insulator in open fashion with necessary clamps, screws, etc. as earth link	4	Sets	413	1,652
09.07.00	Supplying, laying, connecting and commissioning 8 SWG bare enamelled copper wire enclosed in PVC Conduits with necessary clamps, screws etc. for earthing AC Equipments / motors etc.	150	Mtrs	99	14,850
09.08.00	Supplying, laying & connecting 500mm. long 25x6mm. Copper flat with SMC Insulator in open fashion with necessary clamps, screws, etc. as earth link for UPS	3	Sets	777	2,331
09.09.00	Supplying, laying and connecting 500mm long 12 x 3 mm. Copper flat with SMC Insulator in open fashion with necessary clamps, screws, etc. as earth link for Data Earthing	10	Sets	565	5,650
09.10.00	Supplying, laying and connecting 25 Sq.mm. PVC Insulated copper conductor wires in PVC Conduits laid open fashion with necessary clamps, screws, interlinks etc.	100	Mtrs	253	25,300
10.00.00	CABLE TRAY				
10.01.00	Supplying, fabricating, erecting, connecting & commissioning of the Powder coated Cable Trays with necessary Angle irons for cable supports and other allied fabrication works. Fixing to concrete surfaces shall be done with the help of expandable type anchor fasteners capable of bearing a weight of 500 Kgs. Fixing to brick walls shall be done with grouting. The distance between two supports shall be 600mm. The materials and labour for grouting, cable supports and other allied fabrication work shall supplied by the Contractor at no extra cost.	1000	Kgs	109	109,000

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07.12.00	Supplying, fixing, connecting and commissioning of 10- 16 AMPS SPN MENNEKES make 3 pin and type plug and socket in Manufacturer's mounting box fixed flush with the wall. For music equipment.(indian model)	200	Nos.	1,484 1,476	296,800 295,200/-
07.13.00	Supplying and laying of 25mm. Dia Heavy duty PVC Conduits concealed / open in wall / ceiling etc. with necessary clamps, screws etc. with 1 Run of 16 SWG G.I. Fish wire.	600	Mtrs	51 52	30,600
07.14.00	Supplying and laying of 32 mm. Dia Heavy duty PVC Conduits concealed / open in wall / ceiling etc. with necessary clamps, screws etc. with 1 Run of 16 SWG G.I. Fish wire.	1200	Mtrs	65 70/-	78,000 84,000/-
08.00.00	LIGHT POINT WIRING				
08.01.00	Supplying, wiring, connecting and commissioning the light points with 3 Runs of 1.5 Sq. mm. PVC insulated multistranded Copper Conductor wires (One each for Phase, Neutral and Earth) in Heavy duty PVC Conduits concealed in wall / ceiling or open above false ceiling with necessary clamps screws etc. including supplying and fixing 6 Amps. Switch in manufacturers mounting box fixed flush with the wall.				
08.01.01	One Light Controlled by one Switch	100	Pts.	678	67,800
08.01.02	Same as above item with additional light point.	70	Pts.	496	34,720
08.02.00	Same as the Item No. 08.01.00 but for 6 Amps. Independant switched socket combined including supplying and fixing 6Amps Switched Socket.	10	Pts.	1,339 1,314	13,390 13,140
08.03.00	Same as the Item No. 08.01.00 but for Ceiling Fan points including supplying, and fixing concealed type fan hook box and electronic regulator.	20	Pts.	1,466 1,428	29,320 28,560/-
08.04.00	Same as Item No. 08.01.01 but for TWO WAY LIGHT POINTS with 2Nos. 6 Amps Switches.	10	Pts.	1,267 1,244	12,670 12,440/-
08.05.00	Same as Item No.08.01.00 but for TWO WAY Fan POINTS with 2 Nos. 6 Amps. Switches.	5	Pts.	1,267 1,244	6,335 (220/-)
08.06.00	Same as the Item No. 08.01.00 but for Exhaust Fan points.	10	Pts.	1,130	11,300
08.07.00	Same as the Item No. 08.01.00 but for Wall Mounted Fan points.	2	Pts.	1,130	2,260
	Note:-				
	The cost of Supplying, Laying and Pulling for Circuit Mains with 3 Runs of 1.5 Sq.mm. PVC Insulated Multistranded Copper conductor wires in PVC Conduits concealed in wall / ceiling or open above false ceiling (The average length shall be 7Mtrs from switch board to light point and 10 mtr from DB to switch board) shall be included in the Point rate for Light, Fan, Exhaust Fan, 6 Amps Sockets Etc.				
09.00.00	EARTHING				
09.01.00	Supplying, installing and connecting a 2.5Mtr. long 40mm. dia G.I.Pipe with holes drilled diametrically opposite to each other once every 150mm. in an earth pit of 380x380x3500mm. filled with salt and charcoal mixed with sand in alternate layers 150mm.each upto a height of 3000mm. from bottom. The pipe shall have provision for watering through a funnel.It shall also have provision for connecting 50x6mm.G.I. Flat on two sides. A masonry strucutre shall be onstructed to a depth of 450mm. and a Medium duty CI Cover shall be used to cover the pit. The cost of digging and back filling shall also be included. Sand,salt and charcoal are in the Contractor's scope.	8	Sets	4,168 4,096	33,344 32,768/-

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06.03.00	Supplying, laying, connecting & commissioning 4 Runs of 10 Sq.mm. with 2 Runs of 4 Sqmm. PVC Insulated stranded single core copper conductor FRLS wire for continuous earthing in heavy duty PVC Conduits open above false ceiling or concealed in wall / ceiling with necessary lamps, screws etc.	30	Mtrs	592	17,760
06.04.00	Supplying, laying, connecting & commissioning 4 Runs of 6 Sq.mm. with 2 Runs of 2.5 Sqmm. PVC Insulated stranded single core copper conductor FRLS wire for continuous earthing in heavy duty PVC Conduits open above false ceiling or concealed in wall / ceiling with necessary lamps, screws etc.	30	Mtrs	385	11,550
07.00.00	RAW /UPS POWER WIRING				
07.01.00	Supplying, laying, connecting & commissioning 2 Runs of 4 Sq.mm. with 1 Run of 2.5 Sqmm. PVC Insulated stranded single core copper conductor FRLS wire for continuous earthing in already laid PVC Conduits open above false ceiling or concealed in wall / ceiling with necessary lamps, screws etc from DB to Power Points.	1500	Mts.	101	151,500
07.02.00	Supplying and fixing 6/16Amps Switched Socket in Manufacturer's mounting box fixed flush with the wall.	25	Nos.	531 537	13,425
07.03.00	Supplying, fixing, connecting & commissioning 20Amps Metal clad socket combined with 20Amps DP MCB as control in Manufacturer's mounting box fixed flush with the wall and all necessary accessories etc.	10	Nos.	1,794 1790	17,940 17,900
07.04.00	Supplying, laying, connecting & commissioning 2 Runs of 6 Sq.mm. with 1 Runs of 2.5 Sqmm. PVC Insulated stranded single core copper conductor FRLS wire for continuous earthing in in PVC Conduits open above false ceiling or concealed in wall / ceiling with necessary lamps, screws etc.	450	Mts.	139	62,550
07.05.00	Supplying, fixing, connecting & commissioning 32 Amps SPN Metal clad socket combined with 32Amps DP as control in Manufacturer's mounting box fixed flush with the wall.	5	Nos.	3,200 3,207	16,035
07.06.00	Supplying and fixing 6 Amps Switched Socket in Manufacturer's mounting box fixed flush with the wall.	30	Nos.	411 425	12,330 12,150
07.07.00	Supplying, laying, connecting & commissioning 3 Runs of 2.5 Sq.mm.PVC Insulated stranded single core copper conductor FRLS wire for continuous earthing in already laid PVC Conduits open above false ceiling or concealed in wall / ceiling with necessary lamps, screws etc from DB to Power Points.	800	Mts.	80	64,000
07.08.00	Supplying, laying, connecting & commissioning 3 core 2.5 Sq.mm.PVC Insulated flexiable copper cable in already laid PVC Conduits (or) open in ceiling or concealed in wall / ceiling with necessary lamps, screws etc from DB to stage focus light point.	1200	Mts.	83	99,600
07.09.00	Supplying, laying, connecting & commissioning 3 core 4 Sq.mm.PVC Insulated flexiable copper cable in already laid PVC Conduits (or) GI tray open in ceiling or concealed in wall / ceiling with necessary lamps, screws etc from DB to stage focus light point.	2800	Mts.	107	299,600
07.10.00	Supplying, laying, connecting & commissioning 3 core 6 Sq.mm.PVC Insulated flexiable copper cable in already laid PVC Conduits (or) GI tray open in ceiling or concealed in wall / ceiling with necessary lamps, screws etc from DB to stage focus light point.	300	Mts.	204 206	61,800
07.11.00	Supplying,fixing,connecting and commissioning of 16 AMPS SPN MENNEKES make schuko model of 2 pin and type plug and socket in Manufacturer's mounting box fixed flush with the wall. For music equipment.(german make)	40	Nos.	1476 1,484	59,040 59,360

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04.07.00	Supplying, erecting, connecting & commissioning PVC weather proof type enclosure and with 32 AMPS TPN metal clad socket with 4P MCB on an angle Iron frame with necessary interconnections, cable box, brackets, screws, bolts, nuts, etc.	10	Set	4,485 4403	44,850 44030/-
05.00.00	CABLES/TERMINATIONS				
	Supplying, laying, connecting & commissioning the following 1.1 KV Grade AYYF/AYWY (or) YWY /YFY Under ground cables with XLPE Insulation with necessary clamps, screws, etc. in the following methods:-				
05.01.00	BURIED UNDERGROUND / LAID IN TRENCH (Inclusive of digging, back filling, bricks sand etc.)				
	3 1/2 x 240 Sq.mm. Al.	100	Mtrs	1,470	147,000
	3 1/2 x 150 Sq.mm. Al.	400	Mtrs	1,032	412,800
	3C x 2.5 Sq.mm. Cu.	400	Mtrs	329	131,600
	4C x 2.5 Sq.mm. Cu.	250	Mtrs	343	85,750
	4C x 16 Sq.mm. Al.	100	Mtrs	443	44,300
05.02.00	CLAMPED ALONG WALL/CEILING				
	NOTE: Supply of Anchor Fastners and necessary 1.5 mm. thick GI Flat, clamps shall be included in the cost.				
	3 1/2 x 185 Sq.mm. Al.	175	Mtrs	1,019	177,325
	3 1/2 x 150 Sq.mm. Al.	100	Mtrs	845	84,500
	3 1/2 x 50 Sq.mm. Al.	100	Mtrs	368	36,800
	3 1/2 x 35 Sq.mm. Al.	300	Mtrs	297	89,100
	3 1/2 x 25 Sq.mm. Al.	200	Mtrs	230	46,000
	4C x 16 Sq.mm. Al.	400	Mtrs	194	77,600
	4C x 10 Sq.mm. Al.	100	Mtrs	179	17,900
	3C x 2.5 Sq.mm. Cu.	100	Mtrs	122	12,200
05.03.00	TERMINATION				
	Supplying, terminating, connecting and commissioning the above Underground cables with Double compression type glands. The cost of earthing gland with copper strips/ wires shall also be included. The cables shall be terminated with Al / copper lugs after crimping.				
	3 1/2 x 240 Sq.mm. Al.	10	Nos	1,827	18,270
	3 1/2 x 185 Sq.mm. Al.	2	Nos	1,587	3,174
	3 1/2 x 150 Sq.mm. Al.	16	Nos	1,286	20,576
	3 1/2 x 50 Sq.mm. Al.	2	Nos	801	1,602
	3 1/2 x 35 Sq.mm. Al.	10	Nos	666	6,660
	3 1/2 x 25 Sq.mm. Al.	8	Nos	616	4,928
	4C x 16 Sq.mm. Al.	10	Nos	569	5,690
	4C x 10 Sq.mm. Al.	8	Nos	506	4,048
	3C x 2.5 Sq.mm. Cu.	16	Nos	220	3,520
	4C x 2.5 Sq.mm. Cu.	10	Nos	226	2,260
06.00.00	MAINS WIRING				
06.01.00	Supplying, laying, connecting & commissioning 4 Runs of 25 Sq.mm. with 2 Runs of 16 Sqmm. PVC insulated stranded single core copper conductor FRLS wire for continuous earthing in heavy duty PVC Conduits open above false ceiling or concealed in wall / ceiling with necessary lamps, screws etc. for ups input	30	Mtrs	1,366	40,980
06.02.00	Supplying, laying, connecting & commissioning 5 Runs of 25 Sq.mm. with 2 Runs of 16 Sqmm. PVC Insulated stranded single core copper conductor FRLS wire for continuous earthing in heavy duty PVC Conduits open above false ceiling or concealed in wall / ceiling with necessary lamps, screws etc. for ups DB.	125	Mtrs	1,720	215,000

2763,835
275,371.8V

(116)

(BGS)

(4)

	i) CTs of ratio 250 /5A and Class 0.5 for metering and burden 10 VA.				
	ii) 1 No. Class 0.5, 96 Sq.mm. Digital multifunctional meter (0 - 250 A) with Inbuilt Selector Switch.				
	iii) RYB LED Cluster type Indicating Lamps and Control fuses shall be provided.	1		183,953	183,953
03.00.00	MCB DBs			177,039/-	
	Supplying, fixing, connecting & commissioning the following MCB DISTRIBUTION BOARDS fixed flush with the wall. All DBs shall have Double door. Lighting and Power DB - C curve and UPS DB - D curve			177,039/-	177,039/-
03.01.00	LDB				
	8 Way TPN MCB DB				
	Incomer : 63 Amps 4P ELMCB,30mA .. 1 No.				
	Outgoing : 6 - 16 Amps SP MCB .. 24 Nos.	2	Sets	8,898	17,796
03.02.00	6 Way TPN MCB DB			8514/-	17,028/-
	Incomer : 32 Amps 4P ELMCB,30mA .. 1 No.				
	Outgoing : 6 - 16 Amps SP MCB .. 18 Nos.	0	Sets	0	0
03.03.00	PDB				
	8 Way TPN MCB DB				
	Incomer : 63 Amps 4P ELMCB,30mA .. 1 No.				
	Outgoing : 6 - 16 Amps SP MCB .. 24 Nos.	2	Sets	8,898	17,796
03.04.00	External LDB			8514/-	17,028/-
	8 Way TPN MCB DB				
	Incomer : 63 Amps 4P ELMCB,100mA .. 1 No.				
	Outgoing : 6 - 16 Amps SP MCB .. 24 Nos.	1	Set	8,651	8,651
03.05.00	AHU Vertical DB			8267	8267
	8 Way TPN VERTICAL MCB DB				
	Incomer : 125 Amps 4P MCCB with 25 Ka Ics with standing capacity .. 1 No.				
	Outgoing : 63 Amps TP MCB .. 1 No.				
	Outgoing : 32 Amps TP MCB .. 7 Nos.	1	Set	20,250	20,250
03.06.00	UPS Main Vertical DB			19866	19866
	8 Way TPN VERTICAL MCB DB				
	Incomer : 63 Amps TP2N MCB .. 1 No.				
	Outgoing : 10-32 Amps SP MCB .. 18 Nos	2	Sets	13,202	26,404
04.00.00	FSU/ MCCB / STARTERS			12818	12818
04.01.00	Supplying, erecting, connecting & commissioning 32Amps.4P MCB with DOL Starter for a maximum of 5HP 3 PHASE MOTOR with interconnections and suitably mounted on the wall .	10	Sets	4,177	41,770
04.02.00	Supplying, erecting, connecting & commissioning 63Amps 4P MCB on an angle Iron frame with necessary interconnections, cable box, brackets, screws, bolts, nuts, etc.	5	Sets	2,030	10,150
04.03.00	Supplying, erecting, connecting & commissioning 10 Amps SP MCB in weather proof enclosure with necessary interconnections, brackets, screws, bolts, nuts, etc. for external lighting	7	Sets	706	4,942
04.04.00	Supplying, erecting, connecting & commissioning 63 Amps 4P MCB in weather proof enclosure with necessary interconnections, brackets, screws, bolts, nuts, etc. for Ac control	5	Sets	3,305	16,525
04.05.00	Supplying, erecting, connecting & commissioning 32 Amps 4P MCB on an angle Iron frame with necessary interconnections, cable box, brackets, screws, bolts, nuts, etc.	4	Sets	1,886	7,544
04.06.00	Supplying, erecting, connecting & commissioning PVC weather proof type enclosure and with 100 AMPS 4P MCCB with 25 KA rating on an angle Iron frame with necessary interconnections, cable box, brackets, screws, bolts, nuts, etc.	1	Set	8,113	8,113

(2)

1019085 1031903/-

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(4)

	Supplying, Erecting, Testing & commissioning FLOOR MOUNTED CUBICLE TYPE 14 SWG thick CRCA sheet compartmentalised modular type with powder coated DG PANEL. The Board shall be incorporated with the following:-				
	DG INCOMER 1 : 250 AMPS 4P motorized MCCB with 25 KA Withstanding Capacity Adjustable overload and short circuit relays .. 1 No.				
	DG INCOMER 2 : 315 AMPS 4P motorized MCCB with 25 KA Withstanding Capacity Adjustable overload and short circuit relays .. 1 No.				
	BUS COUPLER : 315 AMPS 4P MCCB with 25 KA Withstanding Capacity Adjustable overload and short circuit relays .. 1 No.				
	Note: All the incomer and Buscoupler are electrical and mechanical interlock with auto/manual selector switch.				
	OUTGOING : 250 AMPS TPN MCCB with 25 KA (Ics) Withstanding Capacity Adjustable overload and short circuit relays ..4 Nos.				
	BUSBAR : ALUMINIUM				
	RATING : 315 AMPS				
	The Phase Bus bar shall be 50 x 10 mm. and the Neutral bar shall be 25 x 06 mm. The Earth Bus bar shall be 2 Runs of 25 x 6 mm.				
	There shall be TWO set of Metering Compartment incorporated with the following:-				
	i) CTs of ratio 250 & 315 /5A and Class 0.5 for metering and burden 10 VA.				
	ii) 1 No. Class 0.5, 96 Sq.mm. Digital multifunctional meter (0 - 200 & 315 A) with Inbuilt Selector Switch.				
	iii) RYB LED Cluster type Indicating Lamps and Control fuses shall be provided.	1	222,737	222,737	
02.04.00	AC PANEL (OUTDOOR TYPE)				
	CABLE ENTRY : BOTTOM				
	Supplying, Erecting, Testing & commissioning FLOOR MOUNTED CUBICLE TYPE 14 SWG thick CRCA sheet compartmentalised modular type with powder coated AC PANEL (outdoor type). The Board shall be incorporated with the following:-				
	INCOMER : 250 AMPS 4P MCCB with 25 KA Withstanding Capacity Adjustable overload and short circuit relays .. 1 No.				
	OUTGOING : 125 AMPS TPN MCCB with 25 KA (Ics) Withstanding Capacity Adjustable overload and short circuit relays ..2 Nos.				
	100 AMPS TPN MCCB with 25 KA (Ics) Withstanding Capacity Adjustable/Fixed overload and Fixed short circuit relays ..3 Nos.				
	32 AMPS TPN MCCB with 25 KA (Ics) Withstanding Capacity Adjustable/Fixed overload and Fixed short circuit relays ..5 Nos.				
	BUSBAR : ALUMINIUM				
	RATING : 250 AMPS				
	The Phase Bus bar shall be 40 x 10 mm. and the Neutral bar shall be 25 x 6 mm. The Earth Bus bar shall be 2 Runs of 25 x 3 mm.				
	There shall be ONE set of Metering Compartment incorporated with the following:-				

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	100 AMPS TPN MCCB with Withstanding Capacity Adjustable/Fixed overload and Fixed short circuit relays ..1 No.	25 KA (Ics)				
	63 AMPS TPN MCCB with Withstanding Capacity Adjustable/Fixed overload and Fixed short circuit relays ..3 Nos.	25 KA (Ics)				
	32 AMPS TPN MCCB with Withstanding Capacity Adjustable/Fixed overload and Fixed short circuit relays ..4 Nos.	25 KA (Ics)				
	BUSBAR : ALUMINIUM					
	RATING : 250 AMPS					
	The Phase Bus bar shall be 40 x 10 mm. and the Neutral bar shall be 25 x 6 mm. The Earth Bus bar shall be 2 Runs of 25 x 3 mm.					
	There shall be TWO set of Metering Compartment incorporated with the following:-					
	i) CTs of ratio 200 /5A and Class 0.5 for metering and burden 10 VA.					
	ii) 1 No. Class 0.5, 96 Sq.mm. Digital multifunctional meter (0 - 200 A) with Inbuilt Selector Switch.					
	iii) RYB LED Cluster type Indicating Lamps and Control fuses shall be provided.					
02.02.00	MAIN PANEL - 2		1	Set	211,219	211,219
	CABLE ENTRY : TOP / BOTTOM					
	Supplying, Erecting, Testing & commissioning FLOOR MOUNTED CUBICLE TYPE 14 SWG thick CRCA sheet compartmentalised modular type with powder coated MAIN PANEL -2. The Board shall be incorporated with the following:-					
	EB & DG INCOMER : 250 AMPS 4P motorized MCCB with 25 KA Withstanding Capacity Adjustable overload and short circuit relays and mechanical interlock between incomers .. 2 Nos.					
	OUTGOING : 250 AMPS TPN MCCB with (Ics) Withstanding Capacity Adjustable overload and short circuit relays ..1 No.					
	125 AMPS TPN MCCB with Withstanding Capacity Adjustable/Fixed overload and Fixed short circuit relays ..3 Nos.	25 KA (Ics)				
	100 AMPS TPN MCCB with Withstanding Capacity Adjustable/Fixed overload and Fixed short circuit relays ..3 Nos.	25 KA (Ics)				
	BUSBAR : ALUMINIUM					
	RATING : 250 AMPS					
	The Phase Bus bar shall be 40 x 10 mm. and the Neutral bar shall be 25 x 6 mm. The Earth Bus bar shall be 2 Runs of 25 x 3 mm.					
	There shall be TWO set of Metering Compartment incorporated with the following:-					
	i) CTs of ratio 200 /5A and Class 0.5 for metering and burden 10 VA.					
	ii) 1 No. Class 0.5, 96 Sq.mm. Digital multifunctional meter (0 - 200 A) with Inbuilt Selector Switch.					
	iii) RYB LED Cluster type Indicating Lamps and Control fuses shall be provided.					
02.03.00	DG PANEL		1		235,906	235,906
	CABLE ENTRY : TOP / BOTTOM					

197,659 / 197,659

4686 98

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Schedule of Quantity					
Name of Work : Renovation of Koothambalam Complex , Kalakshetra foundation, Chennai					
ITEM NO.	DESCRIPTION	Qty	Unit	JMR	
				Rate	Amount
01.00.00	METER BOARD /ACCESSORIES				
01.01.00	CT METER BOARD				
	Supplying, erecting, connecting & commissioning a floor mounting Angle Iron all metal Meter Board with the following:-				
	3Nos. 300Amps. TP cutouts & 1No. 300 Amps neutral link fixed on a MS Sheet mounted on angle iron frames.				
	Space for fixing 1 No.CT operated Meter on sheet steel / angle iron frame.				
	1 No. 200 Amps Triple Pole and neutral front operated Fuse Switch Unit of AC 23 utilisation category .				
	1 Set of interconnection between Meter and cutout shall be made with solid copper conductor. This shall also be made between Fuse Switch Units and Meter.				
	Supplying and fixing 3 Nos 200/5 A CT as required by EB on copper bus bars.	2	Sets	30,653	61,306
	Note: Before manufacturing the metering panel get approval from TNEB.			24,847	
					49,694
01.01.00	METER BOARD				
	Supplying, erecting, connecting & commissioning a floor mounting Angle Iron all metal Meter Board with the following:-				
	3Nos. 300Amps. TP cutouts & 1No. 300 Amps neutral link fixed on a MS Sheet mounted on angle iron frames.				
	Space for fixing 1 Nos. 100 Amps Meter on sheet steel / angle iron frame.				
	1 No. 125 Amps TP cutout and neutral link fixed on a MS sheet.				
	1 No. 125 Amps Triple Pole and neutral front operated Fuse Switch Unit of AC 23 utilisation category .				
	1 Set of interconnection between Meter and cutout shall be made with solid copper conductor. This shall also be made between Fuse Switch Units and Meter.	0	Sets	0	0
	Note: Before manufacturing the metering panel get approval from TNEB.				
02.00.00	LT PANEL				
02.01.00	MAIN PANEL - 1				
	CABLE ENTRY : TOP / BOTTOM				
	Supplying,Erecting,Testing & commissioning FLOOR MOUNTED CUBICLE TYPE 14 SWG thick CRCA sheet compartmentalised modular type with powder coated MAIN PANEL -1. The Board shall be incorporated with the following:-				
	EB & DG INCOMER : 250 AMPS 4P motorized MCCB with 25 KA Withstanding Capacity Adjustable overload and short circuit relays and mechincal interlock between incomers .. 2 Nos.				
	OUTGOING : 125 AMPS TPN MCCB with 25 KA (Ics) Withstanding Capacity Adjustable/Fixed overload and Fixed short circuit relays ..1 No.				

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भारत सरकार/GOVERNMENT OF INDIA
के.लो.नि.वि./CENTRAL PUBLIC WORKS DEPARTMENT
अधीक्षण अभि. वि . का कार्यालय/OFFICE OF SUPERINTENDING ENGINEER (E)
चे.के.वि.परि. |CHENNAI CENTRAL ELECTRICAL CIRCLE
SHASTRI BHAWAN, 26, HADDOWS ROAD, CHENNAI – 600 006
दूरभाष सं:/ Tel: 28270246 Fax: 28271781.



No:-23(46)/CCEC/PB/2015/WS/ 107

Date:- 20/01/2015

सेवा में/ To,

The Director,
Kalakshethra Foundation.
Thiruvanmiyur,
Chennai-41.

Sir,

Sub: Koothambalam Project – award of Control Justification of rate -reg.
Ref: Your letter No. 10/2014-15/CPWD/ KMBM/KF dt.12.11.2014

With reference to the above, the justification for following sub heads are furnished here with based on the schedules submitted to this office for further necessary action.

1. Internal Electrical Installation Works – (JMR) Rs.59,76,901/-
2. Additional Electrical Works – (JMR) Rs.8,63,851/-
3. HVAC Works- (Based on Plinth area rate) Rs.63,00,000/- Which does not include the cost of Item No. 5 ambiator & Item No.59 HVLS Fan, Which are approx 27 lac.

Yours faithfully,

B. S. Reddy

(B.SRIDHAR REDDY)

अधीक्षण अभियंता (वि.) चेकेविपरि. चेन्नै-06
SUPERINTENDING ENGINEER (Elect)
CCEC, CPWD, CHENNAI-06

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SNo	Description	Qty	Unit	Rate by Kalashetra	Amount	Rate justified by CPWD	Amount
40	Providing teak wood hand railing for stair case etc using (instead of SS screw, ms screw used.	55.12	Rmt	1485	81853	652.35	35958
41	Providing teak wood plank for the stair case (wooden tread)	11.32	Sqm	5726 (B)	64818 7760758	4648.5	52621 6946256

GRAND TOTAL (A + B)					29648263		24452391
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G. Vinayaram

Assistant Engineer
Chennai Central Sub Division 2/V
CPWD, Besant Nagar, Chennai - 90

B. N. S. A. I. R.

Assistant Engineer (P)
Chennai Central Division V
CPWD, Besant Nagar, Chennai - 90

g. vinayaram
Executive Engineer

Chennai Central Division V
CPWD, Besant Nagar, Chennai - 90

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SNo	Description	Qty	Unit	Rate by Kalashetra	Amount	Rate justified by CPWD	Amount
7	Prepare surface and fix 50 mm x 50 mm welded mesh of 2.5 mm thick and blow cm1.3 for 40 mm to 50 mm thick with rough course sand with grouting compound by air compressor and guniting equipment.(Refer P.No.8 Extra Work MB 1)	247.24	Sqm	1575	389403	2079.07	514029
8	Stage work for Kalasam fixing area.(Refer P.No.8 extra work MB 1) - 2 areas				30250		30250
9	Kalasam fixing - 2 Nos.				10895		10895
10	Crane hire charges and fabricating angular cage with 75 mm x 75 mm existing 1" pipe				79678		79678
11	Providing scaffolding for AC duct and electrical work.(Refer P.No. 9 Extra work MB1)	2261.3	Sqm	70	158288	142.25	321664
12	Providing and fixing eves board as design as existing flower pattern in 1" thick teak wood plank.(Refer P.No.10 extra work MB 1)	62.58	Rmt	2231	139616	2442	152820
13	Providing and fixing anutone board with silver wood planks all over the shuttering edges including tying with GS wire to embed in the roof concrete.(Anutone Board supplied by client at free of cost)Refer P.10 Extra work MB1)	141.18	Sqm	129	18212	151.5	21389
14	Supply of teak wood for Kalakshetra Foundation carpenter for Kalasam moulding (Refer P.No.11 Extra Work MB 1)	0.49	Cum	126776	62120	123119	60328
15	Providing and fixing re bar grouting to the existing beams and slab with Hilti chemical for green room area.(Refer P.No. 11 Extra work MB 1)						
15.1	16 mm dia Rod	302	Nos	233	70366	93.13	21699
15.2	20 mm dia Rod	114	Nos	472	53808	116.41	54946
15.3	12 mm dia Rod	595	Nos	149.5	88953	69.85	10443
15.4	10 mm dia rod	296	Nos	113.6	33626	58.21	6613
16	Providing and fixing teak wood cutter in valley area for the roof in 1" plank including nailing all etc.(Refer P. 13 Extra work MB 1)	43.92	Sqm	4652	204316	3115.25	136822
17	Fabrication work in stage area						

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SNo	Description	Qty	Unit	Rate by Kalashetra	Amount	Rate justified by CPWD	Amount
24	Fabricating 50 x 50 angles with 50 x 6 mm flat for parapert fin concrete at all balcony railings (tender item rate 119)	914.99	Kg	112	102479	81.45	74526
25	Providing and fixing GI sheet gutter with multiples all around and fix in position	36.09	Rmt	1815	65503	737	26598
26	Marking inside and out side levels survery bill enclosed						
27	Statue pedestal	20	Nos	1000	20000	1000	20000
28	Athistanam work						
28.1	P.C.C. 1:4:8	15.45	Cum	4527	69942	3145.75	48602
28.2	Brick work in CM 1:6	46.36	Cum	6064	281127	4182.94	193921
28.3	Cornice work decorative plastering	2317.8	Rmt	350	811220	367	850622
29	Wooden louver inside auditorium	38.2	Sqm	4679	178738	3700.32	141352
30	Teak wood cost esclation	40.778	L.S	28917	1179177	28917	1179177
31	L band work	102.14	L.S	154	15730	154	15730
32	Providing and fixing 80 x 40 mm thick 2.8 mm tubular section by making pocket for holding and pack with concrete at sill level as directed by Architect	102.14	Rmt	636	64961	636	64961
33	Staircase Hand rail- Vertical tubular section 40 x 40 mmx2.8mm thick handrail	80.84	Rmt	430	34761	439.83	35556
33.1	Staircase Hand rail- Horizontal tubular section 40 x 40 mmx2.8mm thick handrail	195.21	Rmt	321	62662	293.22	57239
34	Providing and fixing 250 mm width and 25 mm thick mm plank over parapert and column cladding including fixing lock joint in wood.	20	Sqm	6251	125020	4648.5	92970
35	Providing and fixing wall ledge on balcony slabs as per Architect instruction for the size 75mm width.	35.78	Rmt	627	22434	627	22434
36	Providing and fixing wall ledge on balcony slabs as per Architect instruction for the size 125mm width.	35.78	Rmt	793	28374	793	28374
37	Providing and fixing HILTI BOLT of 16 mm dia x 165 mm for structural work all etc.	121	Nos	379	45859	379	45859
38	Providing and fixing HILTI BOLT of 12 mm dia x 100 mm for structural work all etc.	506	Nos	75	37950	75	37950
39	Providing wall panelling(louver) work above the stage opening etc.	12.99	Sqm	7919	102868	5517.52	71673

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SNo	Description	Qty	Unit	Rate by Kalashetra	Amount	Rate justified by CPWD	Amount
17.1	Fabricating and erecting angular section steel above the state area as per Drawing given by Architect with 75 x 75 x 5 mm and 50 x 50 x 5 mm section (Rates as per tender item No.119)	3378.5	Kg	112	378393	81.45	275180
17.2	Fabricating and erecting the existing available GI pipe at intermediates of the grid as per drawing.	675	Kg	40	27000	32.3	21803
17.3	Providing and fixing 50 x 50 mm spacing of 3 mm weld mesh over angeles (rates as per tender item No.122)	658.69	Kg	125	82336	135.71	89391
17.4	Prepare surface and apply three coats of enamel paint over one coat of primer (rates as per tender item no.159)	318.14	Sqm	140	44540	86.75	27599
19	Providing and laying in position, specified mix of RCC including compaction and curing complete but excluding centering, shuttering and reinforcement 1:1 1/2 : 3 nominal mix (1.5 m below and upt 1.2 m above G.L) (Refer P.No. MB 2)	77.46	Cum	5411.6	419183	4334.35	335739
20	Providing and fixing 75 mm 6 guage PVC pipe for temporary re routing water line behind the koothambalam (Refer P.No.17 extra work MB 1)	65.55	Rmt	255	16715	257.32	16867
21	Providing and laying besser block masonry work of size: 400 x 200 x200 and cement mortar 1:4 for gallery step work	73.76	Sqm	838	61811	864.8	63788
22	Fabricating and bending toform circular cyclinder for jet nozzles for AC work with 3.2 mm MS.Sheet kept in position	42	Nos	2127.97	89375	2127.97	89375
23	Teak wood louver for bird mesh as per details						
23.1	Wooden louver for bird mesh between the beam gaps and dress gaps with 25 x 50 mm frames and 30 x 20 mm wooden louvers both sides including fixing in position etc	174.37	Sqm	5586	974031	5517.52	962090
23.2	Wooden louver for bird mesh between the beam gaps and dress gaps with 25 x 50 mm frames and 30 x 20 mm wooden louvers single side including fixing in position etc	83.19	Sqm	3964	329765	3207.04	266794
23.3	Wooden louver for bird mesh between the beam gaps and dress gaps with 25 x 50 mm frames and 30 x 20 mm wooden louvers single side including fixing in position etc	22.96	Sqm	3964	91013	3207.04	73634

(35)

(175)

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
160	Providing three finish coats of water-proof cement colour paint to walls and ceilings, applied evenly to give uniform finish in colour patterns and even shade, including curing, preparation of surface and a coat of matching primer, complete.	285	Sqm	60	17100	76.40	21774
161	Providing three finish coats of dry colour distemper to walls and ceilings applied evenly to give a uniform finish including preparation of surfaces, primer coat of whitening, to give an even shade.	1000	Sqm	80	80000	71.05	71050
				(A)	21887505		17506135

EXTRA ITEMS FOR KOOTHAMBALAM PROJECT

SNo	Description	Qty	Unit	Rate by Kalashetra	Amount	Rate justified by CPWD	Amount
1	Providing and apply 2 coats of Linseed oil for battens and rafter on the roof area.(Refer P.No.6 Extra work MB 1)	3041.7	Sqm	110	334589	40.2	122277
2	Removing and handing over the Kalasam (big) Refer P.No.6 Extra work MB1	2	No	3000	6000	3000	6000
3	Removing and handing over the Kalasam (small) Refer P.No.6 Extra work MB1	1	No	2000	2000	2000	2000
4	Dismantling and removing statue and handing over to the client(Refer P.No.7 extra work MB 1)	54	No	200	10800	200	10800
5	Dismantling the existing name stone on hanling over to the client(Refer P.No.7 extra work MB 1)	2	No	500	1000	500	1000
6	Clearing and carting away the existing debris.(Refer P.No.7 Extra Work MB1)	114	Loads	1200	136800	433.92	49467
6.1	Clearing and carting away the existing debris I unit.(Refer P.No.7 Extra Work MB1)	34	Loads	600	20400	433.92	14753

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
155	Providing and laying colour sand stone slab treads and of steps in a single piece, of uniform thickness, with machine cut edges, laid on a bed of 20 mm thick cement mortar 1:4 (with coarse sand), laying slabs in cement slurry pigmented to match the shade of slabs, grinding, rubbing polishing, complete (length up to 1500 mm) : 25 mm thick : Grey Kotah stone	25	Sqm	800	20000	928.79	23220
156	Providing and laying stone slab in skirting and risers of steps, of uniform thickness with machine cut edges, in profiles laid on a bed of 20 mm thick cement mortar 1:4 with coarse sand including dressing of sides and tops laying slabs in cement slurry pigmented to match the shade of slabs pointing of joints cleaning excess mortar/slurry etc. curing, complete : 25 mm Rough Split Stone : Black Cuddapa stone	15	Sqm	800	12000	880.58	13209
	Wooden Flooring						
157	Providing and laying wood flooring over plain levelled and dried sub floor and hard wood timber frame including tongue and groove jointing system, in patterns including wax polishing the top surface and antitermite treatment and a coat of wooden primer, to the hidden surfaces and fixing with stainless steel screws etc., complete (timber frame shall be paid for separately) : 20 mm thick : 2nd class CP teak wood	125	Sqm	5380	672500	4250.60	531325
	Paints - Wood and metal surfaces						
158	Providing three finish coats of synthetic enamel colour paint, applied evenly and finished to approved texture, including, preparation of surface and a coat of primer, complete : Wooden surfaces with approved primer	850	Sqm	130	110500	86.75	73738
159	Providing three finish coats of synthetic enamel colour paint, applied evenly and finished to approved texture, including, preparation of surface and a coat of primer, complete : Steel surfaces with zinc chromate primer	350	Sqm	140	49000	86.75	30363
	Paints - Walls & Ceilings						

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
151	Providing and laying in situ terrazzo floor in pattern and profile under layer cement concrete 1:2:4 and top layer with colour marble chips in one or more shade laid in cement in proportion 1:2 (1 cement : 2 marble chips by volume), laid in panels / narrow strips (dividing strips to be placed in floor shall be paid separately), cured, rubbed, polished and finished, complete, for : 50 mm thick flooring with under layer 38 mm thick and top layer 12 mm thick : Floor pavings, window sills, copings Medium shade pigment with 50% white and 50% ordinary grey cement	250	Sqm	700	175000	475.60	118900
	Stone flooring						
152	Providing and laying colour sand stone slab flooring, laid in patterns and profiles on a bed of 25 mm average thick cement mortar 1:4 (with coarse sand) to make up a total thickness of 50 mm, including laying slabs in cement slurry, pigmented to match the shade of slabs, grinding, rubbing and polishing complete : 25 mm thick: Grey Kotah stone	50	Sqm	600	30000	928.79	46440
153	Providing and laying colour sand stone slab flooring, laid in patterns and profiles on a bed of 25 mm average thick cement mortar 1:4 (with coarse sand) to make up a total thickness of 50 mm, including laying slabs in cement slurry, pigmented to match the shade of slabs, grinding, rubbing and polishing complete : 25 mm thick: Black Cuddapa stone	10	Sqm	600	6000	880.58	8806
154	Providing and laying colour sand stone slab flooring, laid in patterns and profiles on a bed of 25 mm average thick cement mortar 1:4 (with coarse sand) to make up a total thickness of 50 mm, including laying slabs in cement slurry, pigmented to match the shade of slabs, grinding, rubbing and polishing complete : 18 / 20mm thick : Yellow Jaisalmer stone	20	Sqm	650	13000	990.99	19820

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
147	Providing and laying cement concrete flooring 1:2:4, finished with a floating coat of neat cement including cement slurry, laid in panels, in floors, landings, steps and similar locations, including nosing of steps ,etc. where required, complete : 40 mm thick	750	Sqm	350	262500	262.45	196838
148	CONCRETE FLOORING Providing and laying 40 mm thick red oxide flooring, under layer of 30 mm thick cement concrete 1:2:4 and top layer of 10 mm thick plaster of cement red oxide mix (using 3.5 kg of red oxide of iron per 50 kg of cement) in cement mortar 1:3 with coarse sand finished with a floating coat of neat cement red oxide mix of same proportion, including cement slurry, nosing of steps etc., complete.	850	Sqm	500	425000	475.60	404260
149	CONCRETE FLOORING Add for making chequers in pattern on cement concrete floors, steps, landings, pavements, etc.	150	Sqm	200	30000	27.30	4095
150	Providing and laying red oxide plaster skirting (upto 300 mm height) with top layer of 6mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in cement mortar 1:3 with coarse sand, finished with a floating coat of cement red oxide mix of same proportion, of total thickness : 21 mm, with under layer 15 mm thick cement plaster 1:3 with coarse sand	25	Sqm	250	6250	252.25	6306
	Terrazo flooring						

129

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
140	Forming 15 mm deep grooves of uniform size in the top layer of washed stone grit plaster in pattern using wooden battens/aluminium channels, nailed to the under layer including removal of wooden battens/aluminium channels, repair to the edges of panels and finishing the groove complete in cement mortar 1:2 (1 cement : 2 silica sand) admixed with colour pigment, of groove widths : 10 mm	160	mtr	50	8000	50.00	8000
	Ceiling, wall acoustical tiles						
141	Providing and fixing ceiling tiles / boards in steel / aluminium / wooden frame work, including filling joints with joint fillers, jointing compounds, tapes, papers, painting of edges of tiles/boards, with two coats of primer, necessary screws where required etc., complete (frame work will be paid for seperately), of sizes : 12.5 mm thick Plaster of paris (gypsum anhydrous) ceiling tiles.	625	Sqm	300	187500	498.87	311794
142	do - do gypsum board 12mm thick.	180	Sqm	500	90000	712.30	128214
143	do - do Plain BWP type phenol formaldehyde synthetic resin bonded pressed particle board sheets conforming to IS 3087.	75	Sqm	700	52500	518.75	38906
	Brick flooring						
144	Providing and laying brick on edge flooring with bricks of class 75 including preparation of sub-base/surface, dressing of ground, if any, to required profiles, cement slurry, etc., complete, in cement mortar using coarse sand, of mix : 1:4	160	Sqm	700	112000	493.85	79016
145	FLOORING Add for brick flooring laid diagonal herring bone bond or other pattern. Concrete flooring	160	Sqm	700	112000	493.85	79016
146	Providing and laying cement concrete flooring 1:2:4, finished with a floating coat of neat cement including cement slurry, laid in panels, in floors, landing, steps and similar locations, including nosing of steps ,etc. where required, complete : 25 mm thick	225	Sqm	250	56250	262.45	59051

1750

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
134	Providing, fabricating and fixing in position selected quality seasoned & chemically treated wood work in frames and sub frames of doors, windows, clerestory windows and other frames, wrought to size & profile with mitred joints, including fixing to supports with threaded expansion bolts / hold fasts or other fixing accessories, complete : 2nd class CP teak wood	2.5	Cum	170000	425000	138654.17	346635
	<u>Finishes</u>						
	Gypsum plaster						
135	Providing and applying plaster of paris 10 mm thick (gypsum anhydrous)	300	Sqm	195	58500	99.70	29910
	Cement plaster						
136	Providing 10 mm thick average plaster to soffits and sides of slabs, beams and other concrete surfaces, etc., in cement mortar 1:4 with fine sand, applied, finished smooth and cured, complete.	200	Sqm	265	53000	128.90	25780
137	Providing 12 mm thick average cement plaster to walls, columns, piers, etc., applied, finished smooth and cured, complete, with mixes : 1:6 with fine sand	150	Sqm	215	32250	138.45	20768
138	Providing 12 mm thick average cement plaster to walls, columns, piers, etc., applied, finished smooth and cured, complete, with mixes : 1:6 with coarse sand	180	Sqm	236	42480	138.45	24921
139	Providing 20 mm thick cement plaster in two coats, under layer 12mm thick cement plaster 1:6 with coarse sand and top layer 8 mm thick cement plaster 1:4 with coarse sand, finished rough with sponge and cured complete including providing grooves on top layer. The size of panel shall not exceed 2 sqm.	250	Sqm	350	87500	185.50	46375

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
	<u>Damp & Waterproofing, Thermal protection</u>						
	Damp proof course						
128	Providing and laying damp-proof course with cement concrete 1:2:4 with graded stone aggregate 12.5 mm nominal size, including side shuttering, compacting etc., complete. 40 mm thick	70	Sqm	300	21000	194.85	13640
	Wall and ceiling insulation						
129	Providing and placing in position over/on vapour barrier and such locations, insulation slab of approved manufacturers, abutting each other closely, including cutting to required sizes/profiles and all incidental work, complete, including applying a bonding base of a coat of blown bitumen @ 1.0 kg/sqm, glass wool/mineral wool/rock wool shall be packed in 100 micron low density polythene film, duly sealed from all sides (frame work shall be paid for separately) : 50 mm thick, fibre-glass (24kg per cum)	625	Sqm	500	312500	406.10	253813
130	WALL OR CEILING INSULATION Add for wrapping glass wool/mineral wool/rock wool in 0.1 mm thick aluminum foil instead of 100 microns thick low density polythene film.	625	Sqm	250	156250	198.15	123844
	Roof tiles						
131	Providing and fixing Mangalore tiles of size 400 x 240 mm, so as to cover an area of 320 x 210 mm, the lap should be not less than 75 mm.	200	Sqm	910	182000	648.70	129740
132	Fixing mangalore tiles of size 400x240mm so as to cover an area of 320x210mm. Te lap should be not less than 75mm. Provide for necessary mortar jointing, chasing in walls, tile cutting, tile wastage etc.	2500	Sqm	350	875000	525.97	1314925
133	Providing and fixing ridge tile and 3 way connector including necessary jointing	115	Rm	225	25875	240.53	27661
	<u>Doors and Windows</u>						
	Wooden frames						

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
	Bird Mesh						
122	Refabricating with existing framework with additional rod welded support and spreading GI welded metal mesh over the frames to shape and size and installing the fabricated units in place between RC fins without gaps.	375	Kg	125	46875	69.45	26044
	<u>Wood work</u>						
	Wood Framing						
123	Providing, fabricating and erecting MS welded built up sections/ frames and applying a primer coat of zinc chromate on duly prepared surfaces, complete : In guard bars, ladders, railings, and similar works.	180	Kg	90	16200	81.45	14661
124	Providing, fabricating and fixing in position selected quality seasoned and chemically treated wood work in frames of false ceilings, partitions, etc., complete : 2nd class Deodar wood.	6.5	Cum	110000	715000	65292.48	424401
125	Providing and fixing wooden frame with 50 mm x 50 mm battens, fixed at 600 mm centre to centre (both ways). Allow for solignum treatment to the timber framework : 2nd class CP teak Wood	225	Sqm	3500	787500	3449.25	776081
	Roof Truss						
126	Providing, fabricating and fixing in position selected quality seasoned and chemically treated wrought wood work in trusses, rafters, runners, posts, struts, wall plates, etc of size and profile in inclined roofs including anoring to concrete members with holding down bolts, fixing accessories and all incidental works complete. 2nd class CP teakwood	20	Cum	150000	3000000	138654.17	2773083
	Rails and Balusters						
127	Providing and fixing wooden hand rail made out of 55 mm x 75 mm timber and fixed to existing MS plate with S/S screws ,etc. complete : 1st class Burma teak wood	110	mtr	1500	165000	556.40	61204

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
117	Providing random rubble masonry with hard stone with sides of stones, hammer dressed to achieve minimum thicknesses of joints and laid in cement mortar 1:6 with coarse sand, with joints not more than 15 mm thick, joints finished flush/raked to minimum 10 mm depth including necessary scaffolding, complete. Allow for levelling with cement concrete 1:6:12 with coarse sand at plinth/window sill/ceiling level and the like, in : Superstructures, upto 20.0 m above plinth level	45	Cum	2950	132750	3355.15	150982
118	Providing random rubble masonry with hard stone with sides of stones, hammer dressed to achieve minimum thicknesses of joints and laid in cement mortar 1:6 with coarse sand, with joints not more than 15 mm thick, joints finished flush/raked to minimum 10 mm depth including necessary scaffolding, complete. Allow for levelling with cement concrete 1:6:12 with coarse sand at plinth/window sill/ceiling level and the like, in : Basements and the like upto 7.0 m below GL	170	Cum	2750	467500	2817.50	478975
	<u>Metal work</u>						
	Structural steel						
119	BUILT UP SECTION Providing, fabricating and erecting bolted structural steel built up sections, trusses and frames and applying a primer coat of zinc chromate on duly prepared surfaces, complete.	2500	Kg	112	280000	81.45	203625
120	BUILT UP SECTION Providing and applying three finish coats of synthetic enamel paint on steel surfaces, complete.	225	Sqm	110	24750	86.75	19519
	Steel stair						
121	Providing, fabricating and erecting MS welded built up sections/ frames and applying a primer coat of zinc chromate on duly prepared surfaces, complete : In stringers, treads, landings, etc. of staircases including chequered plates wherever required, all complete.	200	Kg	130	26000	69.45	13890

134

135

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
113	Add for cutting or chamfering the bricks to required shape in masonry work	120	mtr	400	48000	46.46	5575
114	Providing and making mouldings, cornices & corbels with bricks of class 75 in cement mortar 1:4 with coarse sand (girth to be measured in mm and length in running metres)	350	100 mm/m	350	122500	367.00	128450
115	Providing brick work with bricks of class 75 in half brick thick walls in any shape and profile including curvilinear, laid in cement mortar 1:4 with coarse sand, joints finished flush/raked to 12 mm depth, cured, including scaffolding and flat reinforcement (25 x 3 mm) at every fourth course and embedding the same in adjoining masonry/columns by drilling holes etc complete : Super structure upto 20.0 m above plinth level.	125	Sqm	680	85000	544.70	68088
	Random rubble masonry						
116	Providing random rubble masonry with hard stone with sides of stones, hammer dressed to achieve minimum thicknesses of joints and laid in cement mortar 1:6 with coarse sand, with joints not more than 15 mm thick, joints finished flush/raked to minimum 10 mm depth including necessary scaffolding, complete. Allow for levelling with cement concrete 1:6:12 with coarse sand at plinth/window sill/ceiling level and the like, in : Foundations and plinths, (1.5 m below and upto 1.2 above GL)	75	Cum	2600	195000	2817.50	211313

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
108	Providing and laying lime concrete as per IS 2541 with 40% mortar comprising of 1 lime putty : 1 surkhi : 1 fine sand and 100% graded brick aggregate 40 mm nominal size in foundations, footings and under floor including side forms, complete. Precast - Fins/louvers	12	Cum	3000	36000	4074.20	48890
109	Providing and fixing precast cement concrete in vertical and horizontal fins individually or forming boxes and for louvers and similar, cast, cured, hoisted and fixed in position, setting in cement mortar 1:3 with coarse sand, along with required formwork and finishing smooth and all fixing arrangements complete but excluding the cost of reinforcement. Allow for stacking, curing and handling at all levels above/below GL.	33.5	Cum	10000	335000	5325.80	178414
	<u>Masonry - Brickwork, conventional bricks</u>						
110	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Foundations and plinths (1.5 m below and upto 1.2 m above GL)	85	Cum	4250	361250	3450.75	293314
111	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Superstructures upto 20.0 m above plinth level.	125	Cum	4400	550000	3972.75	496594
112	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Basement, under ground water tank and the like, upto 7.0 m below GL	30	Cum	4250	127500	3450.75	103523

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SNo		Description	Qty	Unit	Tendered cost		Justified by CPWD	
					Rate	Amount	Rate	Amount
104		Providing and laying plain cement concrete 1:3:6 with coarse sand, laid to required thickness (not exceeding 50mm) and slopes, in roof screedings, floor screedings and similar locations, laid in panels not exceeding 4 sqm., consolidated, finished fair and cured complete : Floor screedings	57	Cum	3700	210900	3401.30	193874
		Structural Cooncrete - RCC						
105		Providing and laying in position, specified mix of RCC, including compaction and curing complete but excluding centring, shuttering and reinforcement, 1:2:4 nominal mix : In foundation and plinth (1.5 m below and upto 1.2 m above G.L.)	28	Cum	4500	126000	4190.95	117347
106		Providing and laying in position, specified mix of RCC, including compaction and curing complete but excluding centring, shuttering and reinforcement, 1:2:4 nominal mix : From plinth level to 7.0 m below GL in basement	5	Cum	4700	23500	4190.95	20955
107		Providing and laying in position, specified mix of RCC, including compaction and curing complete but excluding centring, shuttering and reinforcement, 1:2:4 nominal mix : From plinth level upto 20.0 m above in superstructure	125	Cum	4850	606250	4727.80	590975
		Lime Concrete						

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
	Inserts						
98	Providing and fixing wedge expansion type hold / dash fasteners on CC / RCC surface backing including drilling necessary holes and the cost of bolts etc., complete : Fastener with threaded dia. 6 mm	800	Each	50	40000	27.50	22000
99	Providing and fixing wedge expansion type hold / dash fasteners on CC / RCC surface backing including drilling necessary holes and the cost of bolts etc., complete : Fastener with threaded dia. 10 mm	150	Each	75	11250	33.30	4995
	Reinforcement steel						
100	Providing and laying in position TMT (Thermo Mechanically Treated) bar reinforcement in all reinforced concrete works including straightening, cutting, bending, binding with 18 gauge annealed steel wire, complete, of grade : Fe 415	15	Tonne	55000	825000	53850.00	807750
	Plain cement concrete						
101	Providing and laying cement concrete with coarse sand and graded stone aggregate, 40 mm nominal size in foundations, footings and under floors including side forms curring etc., complete, of nominal mix : 1:4:8	40	Cum	3500	140000	3145.75	125830
	Reinforcement steel						
102	Providing and laying cement concrete with fine sand and graded stone aggregate, 40 mm nominal size in foundations, footings and under floors including side forms, curring etc., complete, of nominal mix : 1:4:8	18	Cum	3500	63000	3145.75	56624
103	Providing and laying cement concrete with fine sand and graded stone aggregate, 40 mm nominal size in foundations, footings and under floors including side forms, curring etc., complete, of nominal mix : 1:3:6	15	Cum	3700	55500	3401.30	51020

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
95	Providing and fixing hard wood, planed plank shuttering, tongued and grooved, for exposed concrete surfaces, including strutting, propping, bracing, bolting, wedging, easing, striking, removal etc. complete. Allow for forming drips, throats, grooves, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Soffits and sides of beams, plinth beams, lintels, ties, ribs, pergolas and such other, string courses, cornices, corbels.	10	Sqm	300	3000	262.35	2624
96	Providing and fixing hard wood, planed plank shuttering, tongued and grooved, for exposed concrete surfaces, including strutting, propping, bracing, bolting, wedging, easing, striking, removal etc. complete. Allow for forming drips, throats, grooves, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Soffits and sides of suspended slabs, floor and roof projections, landing slabs, canopies, chajjas, slabs of planting boxes and such other horizontal elements, coffer ribs and slabs.	20	Sqm	400	8000	316.50	6330
97	Providing and fixing hard wood, planed plank shuttering, tongued and grooved, for exposed concrete surfaces, including strutting, propping, bracing, bolting, wedging, easing, striking, removal etc. complete. Allow for forming drips, throats, grooves, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Soffits and sides of waist slabs of stairs, sides of risers and stepped waist slabs, spiral staircases, etc.	8	Sqm	400	3200	316.50	2532

1751

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
92	Providing and fixing centering and shuttering for concrete work (plain and reinforced) in following locations, including strutting, propping, bracing, bolting tie bolt / spring coil / plastic cone, wedging, easing, striking, removal etc, complete. Allow for forming grooves, drips, throats, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Sides of footings of columns and walls and sides of base slabs.	35	Sqm	300	10500	166.05	5812
93	Providing and fixing centering and shuttering for concrete work (plain and reinforced) in following locations, including strutting, propping, bracing, bolting tie bolt / spring coil / plastic cone, wedging, easing, striking, removal etc, complete. Allow for forming grooves, drips, throats, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Foundation beams, floor channels, kerb stones and drain walls.	18	Sqm	300	5400	166.05	2989
94	Providing and fixing hard wood, planed plank shuttering, tongued and grooved, for exposed concrete surfaces, including strutting, propping, bracing, bolting, wedging, easing, striking, removal etc. complete. Allow for forming drips, throats, grooves, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m : Sides of columns, piers of any shape, size and profile.	10	Sqm	300	3000	354.85	3549

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9

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
87	Providing and fixing MS gratings in lengths of 600 to 1000 mm, fabricated with angle frames and flats at 25 mm centres, Angle 50 x 50 x 5 mm and flat 45 x 5 mm Waterbound Macadam - Subgrade	15	Sqm	3000	45000	3486.28	52294
88	Preparation of subgrade by excavating or filling with available earth to an average of 225 mm depth, dressing to camber, watering and consolidating with road roller of 8-10 t capacity including making good the undulations etc. and disposal of surplus earth / bringing earth from borrow pits within a lead of 50 m, complete.	15	100 Sqm	5500	82500	55.95	839
89	Consolidation of sub-grade with road roller of 8 to 10t capacity including making good the undulations, etc. with earth or quarry spoils, etc. and rerolling the sub-grade, complete.	15	100 Sqm	3000	45000	337.40	5061
90	Add for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (Proctor density)	10	100 Sqm	2000	20000	8.15	82
	Kerbs & Gutters						
91	Providing and laying M-20 grade precast concrete kerb stones including setting in cement mortar 1:4 with coarse sand and pointing of joints with same mortars, etc. complete of size : 300 x 300 x 150 mm thick	160	mtr	450	72000	363.29	58126
	Concrete Formwork and Accessories						
	<u>Form Work/Centering and shuttering</u>						
	Forms in Place						

101

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
80	CATCH BASINS OR MANHOLES Add for depth of manholes of size 900 x 800 mm beyond 600 mm	8	mtr	6000	48000	4153.60	33229
81	CATCH BASINS OR MANHOLES Add for depth of manholes of size 1200 x 900 beyond 900 mm	6	mtr	8000	48000	4975.60	29854
82	Providing manhole covers with frames and fixing the same during laying of cement concrete / reinforced cement concrete 1:2:4 mix on top of brick work / in slab, complete, of shape and duty : SFRC conforming to IS:12592, Rectangular, Medium duty 600 x 600 mm (Grade designation MD 10)	15	Each	2500	37500	1134.25	17014
83	CATCH BASINS OR MANHOLES Providing manhole covers with frames and fixing the same during laying of cement concrete / reinforced cement concrete 1:2:4 mix on top of brick work / in slab, complete, of shape and duty : Circular, Medium duty 500 mm dia. (Grade designation MD 10)	3	Each	2000	6000	913.60	2741
84	Providing and fixing foot rests in manholes embedded in 230 x 200 x 100 mm cement concrete blocks 1:3:6 with coarse sand, complete, of : CI weight 4.5 kg	15	Each	350	5250	236.55	3548
	Drains						
85	Constructing 300 mm inside drain width with 230 mm thick brickwork with bricks of class 75 in cement mortar 1:4 with coarse sand over raft or CC base, 25 mm thick CC 1:2:4 at bottom and in filling haunches including 12 mm thick cement plaster 1:3 with coarse sand finished with floating coat of neat cement inside and on exposed surface for drain of average depth : 100 mm	25	mtr	2100	52500	873.82	21846
86	Constructing 300 mm inside drain width with 230 mm thick brickwork with bricks of class 75 in cement mortar 1:4 with coarse sand over raft or CC base, 25 mm thick CC 1:2:4 at bottom and in filling haunches including 12 mm thick cement plaster 1:3 with coarse sand finished with floating coat of neat cement inside and on exposed surface for drain of average depth : 300 mm	15	mtr	2750	41250	1296.46	19447

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
77	Constructing circular type manhole with class 75 bricks in cement mortar 1:4 with coarse sand, inside plaster 12 mm thick with cement mortar 1:3 with coarse sand, finished with a floating coat of neat cement, foundation concrete 1:3:6 with coarse sand, 150 mm thick cement concrete 1:2:4 on top of masonry including centering, shuttering, making necessary channel in 150 mm thick cement concrete 1:2:4 finished with a floating coat of neat cement, complete, but excluding cost of foot rest and outside plaster, excavation and back filling, complete, of internal size : Add for depth over 910 mm and upto 1670 mm for circular manhole 910 mm dia at bottom and 560 mm dia at top	3	mtr	19000	57000	3567.30	10702
78	Constructing manholes one brick thick with class 75 bricks in cement mortar 1:4 with coarse sand, RCC top slab 150 mm thick with cement concrete 1:2:4 with necessary reinforcement, foundation concrete, 200 mm thick with cement concrete 1:4:8 with coarse sand, 12 mm thick inside plaster with cement mortar 1:3 in coarse sand finished with a floating coat of neat cement, making channels with cement concrete 1:2:4, finished with a floating coat of neat cement, complete, but excluding cost of foot rests and outside plaster, excavation and back filling, complete, of internal size : 900 x 800 x 600 mm deep	12	Each	12000	144000	7959.84	95518
79	Constructing manholes one brick thick with class 75 bricks in cement mortar 1:4 with coarse sand, RCC top slab 150 mm thick with cement concrete 1:2:4 with necessary reinforcement, foundation concrete, 200 mm thick with cement concrete 1:4:8 with coarse sand, 12 mm thick inside plaster with cement mortar 1:3 in coarse sand finished with a floating coat of neat cement, making channels with cement concrete 1:2:4, finished with a floating coat of neat cement, complete, but excluding cost of foot rests and outside plaster, excavation and back filling, complete, of internal size : 1200 x 900 mm deep	6	Each	20000	120000	10260.10	61561

1475

7

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
73	Constructing soak pits 2500 mm dia., 3000 mm deep with 450 x 450 mm dry brick honey comb shaft with class 75 bricks, shaft top covered with RCC slab in cement concrete mix 1:2:4, 100 mm thick with reinforcement, portion between honey comb shaft and outer wall, filled with brick bats and brick ballast, covered at the top with 25mm thick stone slabs & earth, SW drain pipes 100 mm dia., 1800 mm long including excavation and disposal of surplus earth in authorized dumps, complete.	8	Each	20000	160000	15363.25	122906
	Catch basins or Manholes						
74	Constructing road gully chambers 450 x 500 x 600 mm deep inside, in one brick thick brick work with bricks of class 75 in cement mortar 1:5 in fine sand, including fixing horizontal grating with frame of size 450 x 500 mm in 150 mm thick cement concrete 1:2:4, foundation concrete 1:5:10, with coarse sand 150 mm thick, inside plaster 12 mm thick with cement mortar 1:3, finished with a floating coat of neat cement, excavation and back filling, complete, with : CI gratings weighing 90 kg.	30	Each	5000	150000	2913.15	87395
75	Constructing road gully chambers 450 x 450 x 775 mm deep inside, in one brick thick brick work with bricks of class 75 in cement mortar 1:5 with fine sand, including fixing 450 x 100mm vertical grating, top RCC slab 75 mm thick in 1:2:4 mix, foundation concrete 150 mm thick in 1:5:10, with coarse sand, inside plaster 12 mm thick with cement mortar 1:3 finished with a floating coat of neat cement, excavation and back filling, complete, with : CI gratings weighing 15.0 kg	12	Each	6500	78000	3401.10	40813
76	910 mm inside dia. at bottom, 560 mm inside dia. at top, 910 mm deep inside, and foundation concrete 225 mm thick	5	Each				

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
71	Constructing septic tanks conforming to IS:2470 with brick work in cement mortar 1:4 with coarse sand. Top slab in RCC 1: 2:4 mix with necessary reinforcement, precast RCC baffle walls, 12 mm thick plaster inside with cement mortar 1:3 with coarse sand, finished with a floating coat of neat cement, flooring with cement concrete 1:2:4, laid to slope, of minimum thickness 100 mm, finished with 12 mm thick cement plaster 1:3 in coarse sand finished with a floating coat of neat cement, outside plaster 15 mm thick with cement mortar 1:5 in fine sand, cast iron tees of required size for inlet and outlet, CI vent pipes 50 mm dia. with mosquito proof nets, and 32 mm dia. brass wheel valves for removal of sludge, including SFRC manhole covers with frames, light duty, 600 x 450 mm size and plastic encapsuled MS foot rests at 300 mm intervals, complete, excluding excavation and refilling for : two year cleaning cycle for: 20 users	1	Each				
72	Constructing septic tanks conforming to IS:2470 with brick work in cement mortar 1:4 with coarse sand. Top slab in RCC 1: 2:4 mix with necessary reinforcement, precast RCC baffle walls, 12 mm thick plaster inside with cement mortar 1:3 with coarse sand, finished with a floating coat of neat cement, flooring with cement concrete 1:2:4, laid to slope, of minimum thickness 100 mm, finished with 12 mm thick cement plaster 1:3 in coarse sand finished with a floating coat of neat cement, outside plaster 15 mm thick with cement mortar 1:5 in fine sand, cast iron tees of required size for inlet and outlet, CI vent pipes 50 mm dia. with mosquito proof nets, and 32 mm dia. brass wheel valves for removal of sludge, including SFRC manhole covers with frames, light duty, 600 x 450 mm size and plastic encapsuled MS foot rests at 300 mm intervals, complete, excluding excavation and refilling for : two year cleaning cycle for: 50 users	1	Each				

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
67	Providing, laying, jointing and testing of glazed stone ware pipes, conforming to IS:651 grade A, and jointing with cement mortar 1:1 with fine sand and tarred gasket of hemp yarn soaked in thick cement slurry, complete, excluding trenching and back filling, of nominal dia.: 100 mm	50	mtr	310	15500	226.05	11303
68	Providing, laying, jointing and testing of glazed stone ware pipes, conforming to IS:651 grade A, and jointing with cement mortar 1:1 with fine sand and tarred gasket of hemp yarn soaked in thick cement slurry, complete, excluding trenching and back filling, of nominal dia.: 150 mm	20	mtr	400	8000	301.35	6027
69	Providing and laying cement concrete 1:5:10 with coarse sand, 150 mm thick all around RCC/ SW pipes including bed concrete, necessary shuttering and curing, complete, for pipes of nominal dia.: 100 mm	10	mtr	270	2700	435.30	4353
70	Providing and laying cement concrete 1:5:10 with coarse sand, 150 mm thick all around RCC/ SW pipes including bed concrete, necessary shuttering and curing, complete, for pipes of nominal dia.: 150 mm	10	mtr	330	3300	532.40	5324
	Septic tank						

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
64	Providing, laying, jointing and testing UPVC pipes, conforming to IS:4985 (6.0 kg/sq.cm.), including injection moulded fittings with bosses e.g. tees, bends, couplings, adapters, etc., and jointing with solvent weld joints, complete, excluding trenching and back filling, of outer dia.: 90 mm	10	mtr	350	3500	323.42	3234
	Chamber, Brick masonry						
65	Constructing brick masonry chambers with class 75 bricks in cement mortar 1:5 with fine sand, RCC top slab 1:2:4 of avg. thickness 150 mm, including reinforcement, excavation, refilling, 100 mm thick foundation concrete 1:5:10 with coarse sand, 12 mm thick inside plastering with cement mortar 1:3 with coarse sand, finished with a floating coat of neat cement, and 15 mm thick outside plastering in cement mortar 1:4 with fine sand, complete with one brick thick wall, of size : 600 x 600 x 750 mm deep inside, with CI surface box 100 mm top dia., 160 mm bottom dia. and 180 mm deep inside, with chained lid.	15	Each	9000	135000	5096.55	76448
66	Constructing brick masonry chambers with class 75 bricks in cement mortar 1:5 with fine sand, RCC top slab 1:2:4 of avg. thickness 150 mm, including reinforcement, excavation, refilling, 100 mm thick foundation concrete 1:5:10 with coarse sand, 12 mm thick inside plastering with cement mortar 1:3 with coarse sand, finished with a floating coat of neat cement, and 15 mm thick outside plastering in cement mortar 1:4 with fine sand, complete with one brick thick wall, of size : 600 x 600 x 750 mm deep inside, with CI surface box 350 x 350 mm and 165 mm deep inside, with chained lid, for fire hydrant.	15	Each	10000	150000	4773.05	71596
	Piping - Drainage & Sewerage						

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
58	Providing, laying, jointing and testing double flanged ductile iron pipes having screwed flanges, conforming to IS:8329, including compressed neoprene washers, galvanised steel fasteners, complete, excluding trenching and back filling, of nominal dia.: 100 mm	40	mtr	1200	48000	713.40	28536
59	Providing, fixing and testing wafer type CI butterfly valves, conforming to IS:13095, PN 1.6, MS hand lever operated with galvanised steel fasteners and 3 mm thick compressed neoprene gaskets, complete, of nominal size : 80 mm	5	Each	1900	9500	2363.27	11816
60	Providing, fixing and testing wafer type CI butterfly valves, conforming to IS:13095, PN 1.6, MS hand lever operated with galvanised steel fasteners and 3 mm thick compressed neoprene gaskets, complete, of nominal size : 100 mm	4	Each	3500	14000	3246.00	12984
61	Providing, laying, jointing and testing UPVC pipes, conforming to IS:4985 (6.0 kg/sq.cm.), including injection moulded fittings with bosses e.g. tees, bends, couplings, adapters, etc., and jointing with solvent weld joints, complete, excluding trenching and back filling, of outer dia.: 40 mm	60	mtr	200	12000	221.56	13294
62	Providing, laying, jointing and testing UPVC pipes, conforming to IS:4985 (6.0 kg/sq.cm.), including injection moulded fittings with bosses e.g. tees, bends, couplings, adapters, etc., and jointing with solvent weld joints, complete, excluding trenching and back filling, of outer dia.: 50 mm	40	mtr	225	9000	247.92	9917
63	Providing, laying, jointing and testing UPVC pipes, conforming to IS:4985 (6.0 kg/sq.cm.), including injection moulded fittings with bosses e.g. tees, bends, couplings, adapters, etc., and jointing with solvent weld joints, complete, excluding trenching and back filling, of outer dia.: 63 mm	25	mtr	260	6500	265.35	6634

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
54	Earth work in excavation, in trenches, in all types of soil, for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m including getting out the excavated earth and then returning the soil as required, in layers not exceeding 200 mm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50 m complete, of pipes, cables of sizes : over 300 mm dia. (minimum width of trench 850 mm)	75	mtr	200	15000	250.20	18765
55	Excavation and Fill EXCAVATING, UTILITY TRENCH Excavating holes up to 0.5 cum including getting out the excavated material, then returning the soil as required in layers not exceeding 200 mm in depth, including consolidating each deposited layer by ramming, watering etc., disposing of surplus excavated material, as directed, within a lead of 50 m and lift upto 1.5 m, complete : All types of soil Termite - Pre treatment	80	Each	200	16000	41.85	3348
56	Providing and injecting chemical emulsions for pre-construction anti-termite treatment and creating continuous chemical barrier under and all around the column pits, wall trenches, basement excavation, top surfaces of plinth filling, junctions of walls and floors, along the external perimeter of buildings, expansion joints, over the top surface of consolidated earth on which plinth protection is to be laid, surrounding of pipes and conduits etc. complete, in accordance with IS:6313 (Part II). (Plinth area of the building at ground level shall only be measured): Using Chloropyriphos Emulsifiable concentrate 0.2% Water Distribution	1150	Sqm	60	69000	93.65	107698
57	Providing, laying, jointing and testing double flanged ductile iron pipes having screwed flanges, conforming to IS:8329, including compressed neoprene washers, galvanised steel fasteners, complete, excluding trenching and back filling, of nominal dia.: 80 mm	205	mtr	1000	205000	655.14	134304

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
51	Earth work in excavation 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 upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated earth as directed, within a lead of 50 m, complete : All types of soil	200	Cum	250	50000	132.20	26440
	Utility Trench						
52	Earth work in excavation, in trenches, in all types of soil, for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m including getting out the excavated earth and then returning the soil as required, in layers not exceeding 200 mm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50 m complete, of pipes, cables of sizes : upto 80 mm dia. (minimum width of trench 450 mm)	230	mtr	150	34500	98.10	22563
53	Earth work in excavation, in trenches, in all types of soil, for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m including getting out the excavated earth and then returning the soil as required, in layers not exceeding 200 mm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50 m complete, of pipes, cables of sizes : over 80 mm dia. and upto 300 mm dia. (minimum width of trench 600 mm)	120	mtr	200	24000	160.25	19230

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
44	Filling available excavated earth (excluding rock) in trenches, plinths, sides of foundations and in adjacent areas to profiles, shapes and levels etc. in layers not exceeding 200 mm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m, complete.	310	Cum	120	37200	75.45	23390
45	Supplying and stacking good earth, free from organics impurities. Bulk Excavation	825	Cum	350	288750	309.74	255536
46	Earth work in rough excavation, in all types of soil, banking excavated earth in layers not exceeding 200 mm in thickness, breaking clods, watering, rolling each layer with 1/2 ton roller, or compacting with wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 ton capacity and dressing up, in embankment for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead up to 50 m and lift up to 1.5 m, complete.	110	Cum	250	27500	276.50	30415
47	Earth work in excavation over areas (exceeding 300 mm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed, complete: All types of soil	250	Cum	285	71250	130.95	32738
48	Add for every additional lift of 1.5 m or part thereof in: All types of Fill	50	Cum	35	1750	35.45	1773
49	Providing and laying 100 mm/150 mm thick (consolidated thickness) hard core fill, under floors, pavings and other locations, with approved hard stones of size 50 mm and down, thoroughly filled with smaller chips, rammed, rolled, watered and consolidated to required levels, complete.	880	Cum	1200	1056000	965.54	849675
50	Providing clean fine sand fill under floors, pavings and similar locations, laid to required depth, compacted by flooding with water, finished to proper levels, complete. Trench	750	Cum	1186	889500	1282.70	962025

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
37	Providing and fixing close timbering including strutting, shoring and packing cavities (wherever required) complete (Measurement to be taken of the face area timbered), Depth not exceeding 1.5 m : in shafts, wells, cesspits, manholes and the like	40	Sqm	30	1200	104.00	4160
38	Add for every 1 m or part thereof of additional depth over an initial depth of 1.5 m, for close timbering : in trenches etc.	30	Sqm	40	1200	109.40	3282
39	Add for every 1 m or part thereof of additional depth over an initial depth of 1.5 m, for close timbering : in shafts, wells, cesspits, man-holes and the like	10	Sqm	40	400	129.45	1295
	Topsoil						
40	Earth work in surface excavation not exceeding 300 mm in depth but exceeding 1.5 m in width as well as 10 sqm on plan, in all types of soil including disposal of excavated earth up to 50 m and lift up to 1.5 m, disposed soil to be leveled and neatly dressed, complete.	225	100 Sqm	2100	472500	3589.05	8075
	Back fill						
41	Banking / Depositing all types of excavated earth in layers not exceeding 200 mm in thickness, breaking clods, watering, rolling each layer with power roller of minimum 8 ton capacity and dressing up to required profiles and levels, in embankment for roads, flood banks, marginal banks, mounds and guide banks etc. and compacting the deposited earth under optimum moisture content to give at least 95% of the maximum dry density, lead up to 50 m and lift up to 1.5 m, complete	325	Cum	140	45500	169.10	54958
42	Deduct for not rolling with power roller of minimum 8 ton capacity for banking excavated earth in layers not exceeding 200 mm in thickness.	160	Cum	-35	-5600	-3.05	-488
43	Deduct for not watering the excavated earth used in banking.	70	Cum	-20	-1400	-12.10	-847

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
29	Dismantling CI / GS / PVC / Asbestos rain water pipes embedded in concrete / brick work with fittings and clamps including dismantling of concrete/brick work etc., stacking the serviceable material and disposal of unserviceable materials up to 50 m lead, of dia: over 150 mm	15	mtr	50	750	103.15	1547
	Clear and Grub						
30	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 300 mm (measured at a height of 1.0 m above GL) and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared, complete.	50	100 Sqm	1000	50000	463.45	23173
31	Felling trees including cutting of trunks and branches, removing the roots, stacking of serviceable materials and disposal of unserviceable materials within a 50 m lead, complete, of girths (measured at a height of 1.0 m above GL.) : over 300 mm and upto 600 mm	40	Each	500	20000	142.75	5710
32	Felling trees including cutting of trunks and branches, removing the roots, stacking of serviceable materials and disposal of unserviceable materials within a 50 m lead, complete, of girths (measured at a height of 1.0 m above GL.) : over 600 mm and upto 1200 mm	12	Each	1000	12000	631.80	7582
33	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared, complete.	20	100 Sqm	1100	22000	239.65	4793
34	Surface dressing of the ground including removing vegetation and inequalities not exceeding 150 mm deep, in all types of soil and disposal of rubbish upto a lead of 50 m, complete.	60	100 Sqm	1100	66000	894.20	53652
	Dewatering						
35	Pumping out water caused by spring, tidal or river seepage, broken water mains or drains and the like.	30	Kl. Ltr.	200	6000	318.05	9542
	Excavation - Close and open timbering						
36	Providing and fixing close timbering including strutting, shoring and packing cavities (wherever required) complete (Measurement to be taken of the face area timbered), Depth not exceeding 1.5 m : in trenches etc.	35	Sqm	30	1050	104.00	3640

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
22	Dismantling dry brick pitching in floors, drains etc, including stacking of serviceable materials and disposal of unserviceable materials within a 50 m lead.	75	Sqm	200	15000	326.80	24510
	Framing demolition						
23	Dismantling woodwork in frames, trusses, purlins and rafters upto a 10 metres span and 5 metres height including stacking the material within a 50 m lead, of sectional areas : upto 4000 sqmm	50	mtr	800	40000	1357.65	67883
24	Dismantling steel work in built up sections at all heights and depths, in angles, tees, flats, channels and tubes including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 m lead.	20	Qtl	5000	100000	65.00	1300
	Partitions Demolition						
25	Dismantling aluminum partitions, doors, windows, fixed glazing and false ceiling and gypsum partitions / false ceiling including stacking of serviceable materials and disposal of unserviceable materials upto a 50 m lead.	100	Sqm	200	20000	17.15	1715
	Rain water Pipes demolition						
26	Dismantling CI / GS / PVC / asbestos exposed rain water pipes with fittings and clamps including stacking the serviceable material and disposal of unserviceable material within a 50 m lead, of dia: upto 80 mm	30	mtr	20	600	19.60	588
27	RAIN WATER PIPES DEMOLITION Dismantling CI / GS / PVC / asbestos exposed rain water pipes with fittings and clamps including stacking the serviceable material and disposal of unserviceable material within a 50 m lead, of dia: over 80 mm and upto 150 mm	45	mtr	40	1800	20.50	923
28	Dismantling CI / GS / PVC / Asbestos rain water pipes embedded in concrete / brick work with fittings and clamps including dismantling of concrete/brick work etc., stacking the serviceable material and disposal of unserviceable materials up to 50 m lead, of dia: upto 80 mm	15	mtr	40	600	42.85	643

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SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
15	Dismantling / demolishing stone rubble masonry in cement / lime mortar in foundations, super structure and basement at all heights / depths including stacking of serviceable materials and disposal of unserviceable materials upto a 50 m lead.	67	Cum	1300	87100	641.65	42991
	Ceiling Demolition						
16	Dismantling false ceiling, partitions, wall lining, etc supported / fixed to wooden / aluminium / metal frame including dismantling of frame, stacking of serviceable material and disposal of unserviceable material upto a 50 m lead, with : Wooden planks	10	Sqm	275	2750	17.15	172
	Door / window demolition						
17	Taking out door, window and clerestory window shutters (metal or wood) including chowkhats, architrave, holdfast, etc. complete and stacking within a 50 m lead, of areas: upto 3 sqm	34	Each	750	25500	42.95	1460
18	Taking out door, window and clerestory window shutters (metal or wood) including chowkhats, architrave, holdfast, etc. complete and stacking within a 50 m lead, of areas: over 3 sqm	4	Each	1000	4000	56.95	228
19	Dismantling expanded metal or IRC fabrics along with battens and beadings including stacking the serviceable materials within a 50 m lead.	375	Sqm	215	80625	21.05	7894
	Flooring demolition						
20	Dismantling tile work in floors and roofs in cement mortar/lime mortar including stacking of serviceable material and disposal of unserviceable material upto a lead of 50 m, of thickness : 10 mm to 25 mm	900	Sqm	225	202500	22.12	19908
21	Dismantling tile work in floors and roofs in cement mortar/lime mortar including stacking of serviceable material and disposal of unserviceable material upto a lead of 50 m, of thickness : over 25 mm and upto 40 mm	450	Sqm	250	112500	35.65	16043

(15)

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
9	Dismantling of fence including supports of MS sections, pipe, wooden or any other material or combination of materials, along with foundations of supports, hooks, bolts etc., excavation of earth including refilling the earth etc., stacking of serviceable materials and disposal of unserviceable materials within 50 m lead : Barbed wire / chain link / expanded metal / concertina wire and the like.	155	Sqm	160	24800	21.05	3263
10	Dismantling of fence including supports of MS sections, pipe, wooden or any other material or combination of materials, along with foundations of supports, hooks, bolts etc., excavation of earth including refilling the earth etc., stacking of serviceable materials and disposal of unserviceable materials within 50 m lead : Wooden batten / boards	50	Sqm	450	22500	21.05	1053
	Selective demolition						
11	Demolishing lime concrete / cement concrete in all mixes, in foundations, super structure and basement, at all heights / depths, including disposal of unserviceable materials upto a 50 m lead.	120	Cum	1250	150000	221.85	26622
12	Demolishing RCC work in foundations, super structure and basement, at all heights / depths, including cutting, straightening scrapping, cleaning and stacking of reinforcement bars and disposal of unserviceable materials upto a 50 m lead.	380	Cum	2500	950000	960.80	365104
13	Demolishing RB work in foundations, super structure and basement, at all heights / depths, including cutting, straightening scrapping, cleaning and stacking of reinforcement bars and disposal of unserviceable materials upto a 50 m lead.	15	Cum	1200	18000	848.00	12720
14	Dismantling / Demolishing brick work in cement / lime mortar in foundations, super structure and basement, at all heights / depths, including removing of mortar, cleaning bricks and stacking of serviceable materials and disposed of unserviceable materials upto 50 m lead	82	Cum	1200	98400	536.60	44001

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KOOTHAMBALAM PROJECT

SNo	Description	Qty	Unit	Tendered cost		Justified by CPWD	
				Rate	Amount	Rate	Amount
	<u>SITE PREPARATION</u>						
	Site Demolition						
	External services						
1	Dismantling old CI pipes including excavation, removal of pipes, refilling trenches, breaking lead caulked joints, melting of lead and making lead blocks, stacking and handing over to owner pipes & lead at site, and disposal of unserviceable materials within a lead of 50 m, complete, of nominal di : 80 mm	80	mtr	35	2800	127.45	10196
2	Dismantling of manholes including RCC top slabs, CI/SFRC covers with frames, including stacking of useful materials and disposal of unserviceable materials within a lead of 50 m, complete, of shape and size : Rectangular, 900 x 800 x 450 mm deep	12	Each	750	9000	679.75	8157
3	Add for dismantling additional depth of : Circular manholes, 1220 mm dia., for depth beyond 1680 mm	5	mtr	1500	7500	580.65	2903
4	Add for dismantling additional depth of : Rectangular manholes, 900 x 800 mm, for depth beyond 450 mm	5	mtr	1000	5000	534.20	2671
5	Add for dismantling additional depth of : Rectangular manholes, 1200 x 900 mm, for depth beyond 900 mm	5	mtr	1000	5000	636.20	3181
6	Dismantling galvanised steel pipes (external work) including excavation and refilling trenches after taking out the pipes, including stacking of pipes within a 50 m lead, of nominal bores: 15 mm to 40	30	mtr	50	1500	41.50	1245
7	Dismantling of road including taking out soling, metalling etc, stacking of serviceable materials and disposal of unserviceable materials within a lead of 50 m : Water bound macadam	270	Cum	1060	286200	397.13	107225
8	EXTERNAL SERVICES DEMOLITION Dismantling of dry stone pitching including stacking of serviceable materials and disposal of unserviceable materials within a lead of 50.	50	Cum	1060	53000	302.70	15135



GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
OFFICE OF THE EXECUTIVE ENGINEER,
CHENNAI CENTRAL DIVISION V,
BESANT NAGAR, CHENNAI-600 090
☎ 044-24916022/24460035

No:- 24(28)K/CCD V/15/270

Date : 05-02-2015

To

The Director,
Kalakshetra Foundation,
Thiruvanmiyur,
Chennai - 41.

Sir,

Sub : Koothambalam Project - award of contracts - justification of rates and award of contract. - reg

Ref : Yr.Ir.No: F.No. 10/2014-15/CPWD/KMBM/KF, dt: 14-01-15

In continuation to this office Ir. no: 24(28)K/CCDV/14/13, dt: 02-01-2015 and detailed study based on the factual condition in terms of the scaffolding and level of the work done the justification has been re-worked out and the same is mentioned in the annexure.

The modified detailed justified amount as on 2010 works out to Rs. 2,44,52,391/-, which were prevailing from December 2009 to December 2010.

The fee payable to CPWD will be 0.75% of the total justified amount is Rs. 1,83,393/- .

The following items were re-considered for revision in respect of justified rates. Agreement items 125, 126, 127, 131 & 134, for Extra items 14, 16, 17.3, 21, 23.1, 23.2, 23.3, 28.2, 29, 33, 34, 39, 40 and 41. For all other items mentioned in your letter, the justified rates were found in order as per the site condition. The justification were worked out based on the description of the items specified in the schedule submitted by your office and this office is not concern with the quantity mentioned in the schedule.

Yours faithfully,

Encl: One copy of modified detailed comparative statement.

(A. Suryanarayanan)
Executive Engineer

Copy to:

- The Chief Engineer, SZI, CPWD, Chennai for information please, with reference to the Ir. no: 28(7)15/2014-AdmnII/5436-60, dt: 12-11-2014.
- The Superintending Engineer, CCCII, CPWD, Chennai - 6 for information please.

Executive Engineer

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①

ANNEXURE

Koothambalam - Roof board insulation with Anutone boards fixing - Kalashetra foundation - Details of work

S.No	Description of items	Quantity as specified	As per Agreement		JUSTIFIED	
			Rate	Amt	Rate	Amt
1	Supply of Anutone board as specified by the consultant	Actual quantity ordered as suggested 2500 sqm	Arranged by Kalakshetra foundation at free of cost			
2	Labour for fixing Anutone sheet including cutting and placing in position	2550 sqm	Rs. 130/- sqm	331500.00	Rs. 130/- sqm	331500.00
3	Removing and refit the existing battens available at site for the roof	10 cum	Rs.55,000/- cum	550000.00	Rs.11,077/- cum	110770.00
4	Providing and fixing C.P. teak over existing batten as per the item No 126 in the main work order	15 cum	Rs.1,50,000/- cum	2250000.00	Rs.1,38,654/- cum	2079810.00
5	Prepare surface and apply one coat approved water bound emulsion paint	2550 sqm	Rs. 55/- sqm	140250.00	Rs. 22/- sqm	56100.00
			Total	3271750.00		2578180.00

(Signature)

Assistant Engineer

Chennai Central Sub Division 2/V
CPWD, Besant Nagar, Chennai - 90

(Signature)

Assistant Engineer (P)

Chennai Central Division V
CPWD, Besant Nagar, Chennai - 90

(Signature)

Executive Engineer

Chennai Central Division V
CPWD, Besant Nagar, Chennai - 90

(Signature)



GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
OFFICE OF THE EXECUTIVE ENGINEER,
CHENNAI CENTRAL DIVISION V,
BESANT NAGAR, CHENNAI-600 090
☎ 044-24916022/24460035

No:- 24(28)K/CCD V/15/269

Date : 05-02-2015

To

The Director,
Kalakshetra Foundation,
Thiruvanmiyur,
Chennai - 41.

Sir,

Sub : Koothambalam Project - award of contracts - justification of rates and award of contract and Roof board insulation with anutone board fixing - reg

**Ref : Yr.Ir.No: F.No. 10/2014-15/CPWD/KMBM/KF,
dt: 14-01-2015**

The detailed comparative statement for the above project is enclosed for your kind information please.

The detailed justified amount as on 2010-11 for roof board insulation with anutone board works out to Rs. 25,78,180/-, which were prevailing then from December 2010 to December 2011.

The fee payable to CPWD will be 0.75% of the total justified amount is Rs. 19,336/- .

Yours faithfully,

Encl: One copy of detailed comparative statement.

edn
05/2/15
(A. Suryanarayanan)
Executive Engineer

Copy to:

- The Chief Engineer, SZI, CPWD, Chennai for information please, with reference to the Ir. no: 28(7)15/2014-AdmnII/5436-60, dt: 12-11-2014.
- The Superintending Engineer, CCCII, CPWD, Chennai - 6 for information please.

Executive Engineer

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HVAC Electrical Work				
Sl No.	Discription	quantity	Rate	Amount
				10050063
1	1	1	85000	85000
2	1	1	75000	75000
3	2.1	1	7500	7500
4	2.2	2	7750	15500
5	3.a	2	36000	72000
6	3.b	3	32000	96000
7	5.a	25	366	9150
8	5b	50	295	14750
9	5c	25	192	4800
10	5d	100	125	12500
11	5e	50	120	6000
12	6a	2	342	684
13	6b	4	270	1080
14	6c	4	245	980
15	6d	10	180	1800
16	6e	4	180	720
17	7	30	300	9000
18	8a	75	23	1725
19	8b	200	140	28000
			Total	442189
	Add			10050063
			Grand total	10492252

AE

AE SP

Executive Engineer

Executive Engineer (E) (A)
Chennai Central Electrical Circle
CPWD Chennai-600 006

EU

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Air conditioning work				
Sl No.	Discription	Quantity	Rate	Amount
46	19.1	15	1060	15900
47	19.2	15	850	12750
48	19.3	15	310	4650
49	19.4	15	600	9000
50	42.1	3	404	1212
51	42.2	3	606	1818
52	43	4	3000	12000
53	44	4	2000	8000
54	45	10	700	7000
55	46	14	400	5600
56	47	51	3500	178500
57	48	9	4500	40500
58	49	2	1500	3000
59	50	0	0	0
60	51	0	0	0
61	52	6	2500	15000
62	53.01	70	2415	169050
63	53.02	20	2415	48300
64	53.03	20	2415	48300
65	54	500	180	90000
66	55	70	200	14000
67	56	350	250	87500
68	57	120	320	38400
69	58	1050	1034	1085700
70	59	1	300000	300000
			Total	10050063

[Handwritten Signature]

Executive Engineer (E) (A)
Chennai Central Electrical Circle
CPWD Chennai-600 006

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Air conditioning work				
Sl No.	Discription	Quantity	Rate	Amount
1	1.1	1	1002600	1002600
2	1.2	2	695,700	1391400
3	1a	1	150000	150000
4	2.1	3	50500	151500
5	3.1	2	154900	309800
6	4.1	1	86000	86000
7	4.2	1	89000	89000
8	5.1	1	2400000	2400000
9	6.1	4	32000	128000
10	7.1	0	0	0
11	7.2	25	666	16650
12	7.3	90	843	75870
13	7.4	130	1034	134420
14	7.5	70	1201	84070
15	7.6	110	1458	160380
16	8.1	0	0	0
17	8.2	4	2500	10000
18	8.3	8	2629	21032
19	8.4	17	3269	55573
20	8.5	0	0	0
21	8.6	0	0	0
22	9.1	0	0	0
23	9.2	1	36000	36000
24	9.3	3	55000	165000
25	10.1	3	3446	10338
26	11.1	3	2360	7080
27	12	28	750	21000
28	13	19	750	14250
29	14	15	750	11250
30	15	13	900	11700
31	16.1	2	2500	5000
32	16.2	2	6500	13000
33	17.1	14	4000	56000
34	18.1	40	350	14000
35	18.2	30	300	9000
36	18.3	40	300	12000
37	19	1	100000	100000
38	20	0	0	0
39	21	3	2800	8400
40	22	16	4500	72000
41	23.1	130	1257	163410
42	23.2	40	1004	40160
43	23.3	850	890	756500
44	23.4	60	725	43500
45	19	15	1200	18000

P. S. Srinivasan

Executive Engineer (E) (A)
Chennai Central Electrical Circle
CPWD Chennai-600 006

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भारत सरकार/GOVERNMENT OF INDIA
के.लो.नि.वि./CENTRAL PUBLIC WORKS DEPARTMENT
अधीक्षण अभि. वि . का कार्यालय/OFFICE OF SUPERINTENDING ENGINEER (E)
चे.के.वि.परि. ICHENNAI CENTRAL ELECTRICAL CIRCLE
SHASTRI BHAWAN, 26, HADDOWS ROAD, CHENNAI – 600 006
दूरभाष सं:/ Tel: 28270246 Fax: 28271781.



No:-23(46)/CCEC/PB/2015/WS/232

Date: 13/02/2015

सेवा में/ To,

The Director,
Kalakshethra Foundation.
Thiruvanmiyur,
Chennai-41.

Sir,

Sub: Koothambalam Project – HVAC Work- award of Contractor-
Justification of rates –Reg.

Ref: 1) Your letter No. 10/2014-15/CPWD/ KMBM/KF dt.12.11.2014
2) 10/2014-15/CPWD/KMBM/KF dt.27/01/2015.

With reference to the above, the justification for HVAC work including Electrical Panel Board Rs.1, 04, 92,252/- The tender amount of Rs.1,18,00,000/- is 12.46% above of the justified rates Rs.1,04,92,252/-

Encl: Item wise Justification rate

Yours faithfully,

B-S. Reddy

(B.SRIDHAR REDDY)

अधीक्षण अभियंता (वि.) चेकेविपरि. चेन्नै-06
SUPERINTENDING ENGINEER (Elect)
CCEC, CPWD, CHENNAI-06

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