

15 -ാം കേരള നിയമസഭ

11 -ാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 371

10-06-2024 - ൽ മറുപടിയ്ക്ക്

കള്ളിക്കാട് ഗ്രാമപഞ്ചായത്ത് മൾട്ടി പർപ്പസ് ബിൽഡിംഗ് പദ്ധതിയുടെ നിർമ്മാണ പുരോഗതി

ചോദ്യം		ഉത്തരം	
ശ്രീ സി കെ ഹരീന്ദ്രൻ		ശ്രീ എം.ബി. രാജേഷ് (തദ്ദേശ സ്വയംഭരണം, എക്സൈസ് വകുപ്പ് മന്ത്രി)	
(എ)	സംസ്ഥാന ബഡ്ജറ്റിൽ തുക വകയിരുത്തിയ കള്ളിക്കാട് ഗ്രാമപഞ്ചായത്ത് മൾട്ടി പർപ്പസ് ബിൽഡിംഗ് (൦൭൯ ഹാൾ) എന്ന പ്രവൃത്തിയുടെ നിർമ്മാണ പുരോഗതി അറിയിക്കാമോ; പ്രസ്തുത പ്രവൃത്തിക്ക് എത്ര തുക ബഡ്ജറ്റിൽ അനുവദിച്ചുവെന്നും ടെണ്ടർ ചെയ്ത ശേഷം എത്ര തുകയ്ക്കാണ് നിർമ്മാണ കരാറിൽ ഏർപ്പെട്ടിട്ടുള്ളതെന്നും അറിയിക്കാമോ;	(എ)	കള്ളിക്കാട് ഗ്രാമപഞ്ചായത്ത് പ്രവൃത്തിയുടെ ഫസ്റ്റ് ഫ്ലോർ, ഗാലറി കോൺക്രീറ്റ് എന്നിവ പൂർത്തീകരിച്ചിട്ടുണ്ട്. റൂഫ് സ്ട്രാബും മറ്റ് പ്രവൃത്തികളും ചെയ്യാനായി ബാക്കിയുണ്ട്. ടി പ്രവർത്തിക്ക് ബജറ്റിൽ 2,00,00,000/- അനുവദിക്കുകയും ടെണ്ടർ ചെയ്ത ശേഷം 1,55,72,208/- രൂപയ്ക്ക് കരാറിൽ ഏർപ്പെടുകയും ചെയ്തു.
(ബി)	പ്രസ്തുത പ്രവൃത്തിക്ക് എന്നാണ് സാങ്കേതികാനുമതി നൽകിയതെന്നും അതിൽ കെട്ടിടത്തിന്റെ നിർമ്മാണം പൂർത്തിയാക്കുന്നതിനുള്ള നിർദ്ദേശം ഉണ്ടായിരുന്നോയെന്നും അറിയിക്കാമോ; സാങ്കേതിക അനുമതി നൽകിയ എസ്റ്റിമേറ്റിന്റെയും മറ്റ് അനുബന്ധ രേഖകളുടെയും പകർപ്പ് ലഭ്യമാക്കാമോ;	(ബി)	31/08/2021 ന് നൽകിയ സാങ്കേതികാനുമതിയിൽ എസ്റ്റിമേറ്റിൽ പരാമർശിക്കുന്ന നിബന്ധനകൾക്കനുസരിച്ച് കെട്ടിട നിർമ്മാണം പൂർത്തിയാക്കുന്നതിനു ആണ് അനുമതി നൽകിയിരുന്നത്. തുടർന്ന് എസ്റ്റിമേറ്റ് റിവൈസ് ചെയ്യേണ്ടി വന്ന സാഹചര്യത്തിൽ , പുതുക്കിയ സാങ്കേതിക അനുമതി നൽകിയതിൽ, പൂർണ്ണമായും കെട്ടിടത്തിന്റെ പൂർത്തീകരണം ഉൾപ്പെടുത്തിയിരുന്നില്ല. എസ്റ്റിമേറ്റ്, റിവൈസ്ഡ് എസ്റ്റിമേറ്റ് എന്നിവയുടെ പകർപ്പ് അനുബന്ധമായി ചേർത്തിരിക്കുന്നു.
(സി)	പ്രസ്തുത പദ്ധതിയുമായി ബന്ധപ്പെട്ട് സാങ്കേതികാനുമതി നൽകിയ പ്രകാരമുള്ള എല്ലാ പ്രവൃത്തികളും നിലവിൽ നിർവ്വഹിച്ചിട്ടുണ്ടോ; ഇല്ലെങ്കിൽ ആയതിന്റെ കാരണങ്ങൾ വ്യക്തമാക്കാമോ;	(സി)	പ്രസ്തുത പദ്ധതിയുമായി ബന്ധപ്പെട്ട പ്രവൃത്തികൾ നടന്നു വരികയാണ്.
(ഡി)	സാങ്കേതികാനുമതി നൽകിയ എസ്റ്റിമേറ്റിന് വിരുദ്ധമായി നിർമ്മാണം നടത്തിയത് കാരണം പ്രസ്തുത പ്രവൃത്തിയുടെ പൂർത്തീകരണം സാധ്യമല്ലാത്ത സ്ഥിതി നിലവിലുള്ളത് ശ്രദ്ധയിൽപ്പെട്ടിട്ടുണ്ടോ; ഇത്തരത്തിൽ എന്തൊക്കെ പ്രവൃത്തികളാണ് അധികമായി ചെയ്തിട്ടുള്ളതെന്നും ആയതിലേയ്ക്ക് കരാറുകാരൻ എത്ര തുക ബില്ലിൽ	(ഡി)	സാങ്കേതികാനുമതി നൽകിയ എസ്റ്റിമേറ്റിന് വിരുദ്ധമായി നിർമ്മാണ പ്രവൃത്തി നടത്തിയിട്ടില്ല. പ്രവൃത്തി ചെയ്യുന്ന വേളയിൽ പൈൽ ഫൗണ്ടേഷൻ വേണ്ടി ഹാർഡ് റോക്ക്, എസ്റ്റിമേറ്റ് പ്രകാരം ലഭ്യമാകാത്തതിനാലും ബാർട്ടൺ ഹിൽ എഞ്ചിനീയറിംഗ് കോളേജിൽ നിന്നും സൂപ്പർവൈസിംഗ് ഡിസൈൻ ലഭ്യമാക്കിയ മുറയ്ക്ക് ഡിസൈൻ, ബീം,

	ഉൾപ്പെടുത്തിയിട്ടുണ്ടെന്നും അറിയിക്കാനോ; ആയതിന്റെ പകർപ്പ് ലഭ്യമാക്കാനോ;	സ്റ്റാബ് എന്നിവയിൽ ഡിസൈൻ ക്രൈറ്റീരിയ അനുസരിച്ച് Sanction ചെയ്ത, സ്കൂപ്പറൽ ഡിസൈൻ പ്രകാരം Steel reinforcement -ന്റെ അളവിലും ബീം സ്കാബ് എന്നിവയിലുള്ള വ്യത്യാസവും കൂടാതെ നിലവിലുള്ള സൈറ്റിൽ മറ്റ് മാൻഡേറ്ററി ചട്ടങ്ങൾ സാങ്കേതിക അനുമതി നിബന്ധന പ്രകാരം പാലിക്കേണ്ടി വന്നതിനാൽ എർത്ത് ഫില്ലിംഗ്, റീറ്റെയിനിങ്ങ് വോൾ എന്നിവ ചെയ്യേണ്ടതിന്റെ സാങ്കേതികമായ ആവശ്യകത വന്നിട്ടുണ്ട്. നിലവിലുള്ള എസ്റ്റിമേറ്റിൽ നിന്നും പൂർത്തീകരണത്തിന് തുക അധികരിച്ച് വന്നിട്ടുള്ളതാണ്. ഇപ്രകാരം നിലവിലുള്ള തുക പ്രകാരം പൂർത്തീകരണം സാധ്യമല്ലെന്ന് ശ്രദ്ധയിൽപ്പെട്ടിട്ടുണ്ട്. <u>അധികമായി ചെയ്തിട്ടുള്ള പ്രവൃത്തികൾ</u> 1) പൈലിങ് ചെയ്ത വേളയിൽ ഹാർഡ് റോക്കിലേക്കുള്ള അധികരിച്ച ആഴം 2) നിലവിൽ പ്ലോട്ട് 1.2 m താഴെ ലെവലിൽ ആയതിനാൽ, ആയത് റോഡ് ലെവലിൽ ഫിൽ ചെയ്യുന്നതിനുള്ള എർത്ത് ഫില്ലിംഗ് 3) എഞ്ചിനീയറിംഗ് കോളേജിൽ നിന്നും ലഭ്യമായ സ്കൂപ്പറൽ ഡിസൈൻ പ്രകാരം വന്ന steel reinforcement -ൽ വന്ന വ്യത്യാസം. Piling 500m-30m-64020 Piling 700m-34.15m -105284.45 Centering & Shuttering Column, Foundation- 189.535m² Centering & Shuttering Stair – 45.37 m² (23093/-) Steel reinforcement -14359.82Kg (990827.58) <u>Extra Item</u> 1. Retaining wall Concrete – 45.036(299959) 2. Earth Filling -2140.233 m³ (420598.59) അധിക ഇനം ഉൾപ്പെട്ടിട്ടുള്ളത് കാരണം ബില്ലിൽ അധികമായി ഉൾപ്പെട്ടിട്ടുള്ള തുക – 19,48,322/-
(ഇ)	പ്രസ്തുത പ്രവൃത്തി എന്നത്തേയ്ക്ക് പൂർത്തിയാക്കാൻ	(ഇ) 6 മാസത്തിനകം പ്രവൃത്തി പൂർത്തീകരിക്കാനാവുമെന്ന്

കഴിയുമെന്ന് അറിയിക്കുമോ?

പ്രതീക്ഷിക്കുന്നു.

സെക്ഷൻ ഓഫീസർ

TECHNICAL SANCTION FOR WORKS	
LOCAL SELF GOVERNMENT (ENGINEERING) DEPARTMENT	
PROCEEDINGS OF THE SUPERINTENDING ENGINEER SOUTH CIRCLE LSGD	
PRESENT :Sri/Smt Sobhanakumari.B	
ORDER No:LSGD/TS/2021-2022/131752	Dated:31-08-2021
Circle :	South Circle LSGD
Division :	LSGD Division Thiruvananthapuram
Sub Division :	LSGD Subdivision Perumkadavila
Section :	LSGD Section Amboori
Name of the Work :	BUDGET work - 2019-20- Parassala LAC - Annexure II Vol II - Sl. no. 699- Construction of Town Hall in Kallikkadu G P - 20000000/-
AS Reference No and date :	GO (Rt).1692/2020/LSGD 19-09-2020
Amount for which AS is issued:	2,00,00,000 /-
Type of Execution :	Tender
SoR :	DSoR 2016
Cost Index Applied :	37.93% (Trivandrum)
Amount for Which TS is Issued :	19800000.00
Duration of Work :	12 Months
Technical Sanction issued for the above work is entered in the TS register vide register number 25378/2021-2022	

-sd

Superintending Engineer

Name of work : BUDGET work - 2019-20- Parassala LAC - Annexure II Vol II - Sl. no. 699- Construction of Town Hall in Kallikkadu G P - 20000000/-

ESTIMATE REPORT

A town Hall is necessary at Kallikkad Grama Panchayath. This is helpful to assemble the local people for public function. A theater complex is included to the Town hall building. Facilities for Town for town hall office is also provided. This expenditure on account of the construction of building is included in the budget CONSTRUCTION OF KALLIKKAD TOWN HALL (non plan 2020) The proposed site is a low laying and water logged area. So pile foundation is proposed. Two storey framed structure is proposed. Sufficient parking area is provided in the premises. Estimate is prepared based on DSR 2016 rates. Total Estimate amount comes to Rs. 20000000 (Rupees Two crore only).

LSGD Engineering Wing
PRICE

LSGD Section AmbooriBUDGET work - 2019-20- Parassala LAC - Annexure II Vol II - Sl. no. 699-
Construction of Town Hall in Kallikkadu G P - 20000000/-

Detailed Estimate

(Cost Index Applied for this estimate is 37.93%)

Sl No	Description	No	L	B	D	CF	Quantity	Remark
1 Appendix- A Construction of Building								
1	20.2.4 Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring, with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).500 mm dia piles							
		17	4.000				68.000	
							Total Quantity	68.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	68.000 metre
							Say68.000 metre @ Rs 2424.60 / metre	Rs 164872.80
2	od1022819/2020_2021 Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring, with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap). 700 mm dia piles							
		48	4.000				192.000	
							Total Quantity	192.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	192.000 metre
							Say192.000 metre @ Rs 3502.85 / metre	Rs 672547.20
3	20.6.2.1 Vertical load testing of piles in accordance with IS 2911(Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of engineer -in-Charge.Single pile above 50 tonne and upto 100 tonne capacityInitial test							
		1					1.000	

	Total Quantity						1.000 per test
	Total Deducted Quantity						0.000 per test
	Net Total Quantity						1.000 per test
	Say 1.000 per test @ Rs 64562.90 / per test						Rs 64562.90
4	2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil						
	1P50	3	1.100	1.100	1.200		4.356
	1P70	14	1.500	1.500	1.300		40.950
	2P50	7	1.100	2.350	1.200		21.714
	2P70	17	1.300	3.050	1.300		87.627
	plinth beam horizontal MB1	5	2.950	0.250	0.075		0.277
	plinth beam horizontal B4,5,3,2,6	30	4.340	0.250	0.075		2.442
	plinth beam horizontal B4,5,3,2,6	6	4.270	0.250	0.075		0.481
	plinth beam horizontal B1	9	2.400	0.250	0.075		0.405
	plinth beam vertical B5	1	7.250	0.250	0.075		0.136
	plinth beam vertical B2	1	7.250	0.250	0.075		0.136
	plinth beam vertical PB2	1	2.000	0.250	0.075		0.038
	Total Quantity						158.562 cum
	Total Deducted Quantity						0.000 cum
	Net Total Quantity						158.562 cum
	Say 158.562 cum @ Rs 229.52 / cum						Rs 36393.15
5	4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)						
	1P50	3	1.100	1.100	0.100		0.363
	1P70	14	1.500	1.500	0.100		3.150

	2P50	7	1.100	2.350	0.100		1.810	
	2P70	17	1.300	3.050	0.100		6.741	
	plinth beam horizontal MB1	5	2.950	0.250	0.075		0.277	
	plinth beam horizontal B4,5,3,2,6	30	4.340	0.250	0.075		2.442	
	plinth beam horizontal B4,5,3,2,6	6	4.270	0.250	0.075		0.481	
	plinth beam horizontal B1	9	2.400	0.250	0.075		0.405	
	plinth beam vertical B5	1	7.250	0.250	0.075		0.136	
	plinth beam vertical B2	1	7.250	0.250	0.075		0.136	
	plinth beam vertical PB2	1	2.000	0.250	0.075		0.038	
	GF	1	35.010	16.980	0.075		44.586	
		1	8.450	7.000	0.075		4.437	
	FF	1	35.010	16.980	0.075		44.586	
		1	8.450	7.000	0.075		4.437	
	Flooring- Stair	1	6.000	4.000	0.075		1.800	
	Flooring- Toilet	16	1.350	2.100	0.075		3.402	
	Flooring- Passage	2	1.500	0.800	0.075		0.180	
	Flooring- Wash area	3	1.200	2.100	0.075		0.567	
	Flooring- Step	2	4.100	0.750	0.100		0.615	
	Total Quantity						120.589 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						120.589 cum	
	Say120.589 cum @ Rs 6176.71 / cum						Rs 744843.28	
6	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete							
	pillar cap	3	4.400	0.600			7.920	
		14	6.000	0.700			58.800	
		7	6.900	0.600			28.980	

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		17	8.700	0.700			103.530	
	Total Quantity						199.230 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						199.230 sqm	
	Say199.230 sqm @ Rs 267.52 / sqm						Rs 53298.01	
7	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers							
	GF							
	GF beam horizontal MB1	2	2.950		1.150		6.785	
	GF beam horizontal B3	3	2.950		1.150		10.178	
	GF beam horizontal B4	2	5.210		1.150		11.983	
	GF beam horizontal B5	2	5.210		1.450		15.109	
	GF beam horizontal B3	1	5.210		1.150		5.992	
	GF beam horizontal B3	9	4.340		1.150		44.919	
	GF beam horizontal B4	6	4.340		1.150		29.946	
	GF beam horizontal B1	6	2.990		1.150		20.631	
	GF beam horizontal B5	2	7.250		1.150		16.675	
	GF beam horizontal B7	1	8.450		1.150		9.718	
	GF beam vertical B1	5	4.240		1.150		24.380	
	GF beam vertical B2	6	3.930		1.450		34.191	
	GF beam vertical B2	3	3.930		1.150		13.559	
	GF beam vertical B7	1	8.560		1.450		12.412	
	GF beam B5	10	6.030		1.450		87.435	
	GF beam B2	6	4.270		1.150		29.463	
	FF							
	FF beam horizontal MB1	2	2.950		1.150		6.785	
	FF beam horizontal B3	3	2.950		1.150		10.178	
	FF beam horizontal B4	2	5.210		1.150		11.983	
	FF beam horizontal B5	1	5.210		1.450		7.555	
	FF beam horizontal B3	2	5.210		1.150		11.983	
	FF beam horizontal B3	20	4.340		1.150		99.820	

FF beam horizontal B4	5	4.340	1.150	24.955
FF beam vertical B1	1	4.240	1.450	6.148
FF beam vertical B2	6	3.930	1.450	34.191
FF beam vertical B2	3	3.930	1.150	13.559
FF beam vertical B7	1	8.550	1.450	12.398
FF beam vertical B8	5	12.740	2.150	136.955
FF beam B3	5	4.270	1.150	24.553
FF beam B3	7	4.440	1.150	35.742
plinth beam horizontal PB1	1*2	8.250	0.450	7.425
plinth beam horizontal PB1	1*2	2.950	0.450	2.655
plinth beam horizontal PB1	2*2	5.210	0.450	9.378
plinth beam horizontal PB2	3*2	2.950	0.450	7.965
plinth beam horizontal PB2	1*2	2.950	0.450	2.655
plinth beam horizontal PB2	9*2	4.340	0.450	35.154
plinth beam horizontal PB2	5*2	4.340	0.450	19.530
plinth beam horizontal PB2	1*2	4.270	0.450	3.843
plinth beam horizontal PB2	3*2	4.270	0.450	11.529
plinth beam horizontal PB3	3*2	4.340	0.450	11.718
plinth beam horizontal PB2	1*2	5.210	0.450	4.689
plinth beam vertical PB1	2*2	7.250	0.450	13.050
plinth beam horizontal PB2	6*2	3.930	0.450	21.222
plinth beam horizontal PB2	13*2	4.440	0.450	51.948

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	plinth beam horizontal PB2	3*2	3.930		0.450		10.611	
	plinth beam horizontal PB2	10*2	5.920		0.450		53.280	
	Total Quantity						1076.833 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1076.833 sqm	
	Say1076.833 sqm @ Rs 472.96 / sqm						Rs 509298.94	
8	5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts							
	GF Column c1	16	1.500		3.450		82.800	
	GF Column c2	15	1.800		3.450		93.150	
	GF Column c3	10	2.000		3.450		69.000	
	FF Column c1	16	1.500		3.450		82.800	
	FF Column c2	8	1.800		3.450		49.680	
	GF Column c3	10	2.000		3.450		69.000	
	Total Quantity						446.430 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						446.430 sqm	
	Say446.430 sqm @ Rs 645.31 / sqm						Rs 288085.74	
9	5.9.7 Centering and shuttering including strutting, etc. and removal of form for:Stairs, (excluding landings) except spiral - staircases)							
	Stair Step- GF	2*24	1.500	0.150			10.800	
	FF	2*24	1.500	0.150			10.800	
	Total Quantity						21.600 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						21.600 sqm	
	Say21.600 sqm @ Rs 578.41 / sqm						Rs 12493.66	
10	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform							
	Roof slab ---Ground Floor	1	35.510	17.480			620.715	

		1	8.950	7.500			67.125	
	Roof slab---First Floor	1	35.510	17.480			620.715	
	Stair waist slab - GF	2*2	4.180	1.500			25.080	
	FF	2*2	4.180	1.500			25.080	
	Landing	2*2	3.000	1.500			18.000	
	Total Quantity						1376.715 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1376.715 sqm	
	Say1376.715 sqm @ Rs 582.48 / sqm						Rs 801908.95	
11	5.9.19 Centering and shuttering including strutting, etc. and removal of form for:Weather shade, Chajjas, corbels etc., including edges							
	Sun shade- GF	1	114.640	0.900			103.176	
	Sun shade- FF	1	99.640	0.900			89.676	
	Total Quantity						192.852 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						192.852 sqm	
	Say192.852 sqm @ Rs 719.65 / sqm						Rs 138785.94	
12	5.9.16.1 Centering and shuttering including strutting, etc. and removal of form for:Edges of slabs and breaks in floors and wallsUnder 20 cm wide							
	GF roof slab	1	94.430				94.430	
	FF roof slab	1	77.980				77.980	
		1	114.640				114.640	
		1	99.640				99.640	
	Total Quantity						386.690 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						386.690 metre	
	Say386.690 metre @ Rs 168.55 / metre						Rs 65176.60	
13	5.33.1 Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less							

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cement used as per design mix is payable or recoverable separately.All work upto plinth level							
Pillar cap1P50	3	1.100	1.100	0.600		2.178	
1P70	14	1.500	1.500	0.700		22.050	
2P50	7	1.100	2.350	0.600		10.857	
2P70	17	1.300	3.050	0.700		47.184	
plinth beam horizotal PB1	1	8.250	0.250	0.450		0.929	
plinth beam horizotal PB1	1	2.950	0.250	0.450		0.332	
plinth beam horizotal PB1	2	5.210	0.250	0.450		1.173	
plinth beam horizotal PB2	3	2.950	0.250	0.450		0.996	
plinth beam horizotal PB2	1	2.950	0.230	0.450		0.306	
plinth beam horizotal PB2	9	4.340	0.250	0.450		4.395	
plinth beam horizotal PB2	5	4.340	0.230	0.450		2.246	
plinth beam horizotal PB2	1	4.270	0.230	0.450		0.442	
plinth beam horizotal PB2	3	4.270	0.250	0.450		1.442	
plinth beam horizotal PB3	3	4.340	0.250	0.450		1.465	
plinth beam horizotal PB2	1	5.210	0.230	0.450		0.540	
plinth beam vertical PB1	2	7.250	0.250	0.450		1.632	
plinth beam horizotal PB2	6	3.930	0.250	0.450		2.653	
plinth beam horizotal PB2	13	4.440	0.250	0.450		6.494	
plinth beam horizotal PB2	3	3.930	0.250	0.450		1.327	
plinth beam horizotal PB2	10	5.920	0.250	0.450		6.660	
Total Quantity						115.301 cum	

	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						115.301 cum	
	Say115.301 cum @ Rs 8891.66 / cum						Rs 1025217.29	
14	5.33.2 Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.All work above plinth level upto floor V level							
	GF Column c1	16	0.300	0.450	3.450		7.452	
	GF Column c2	15	0.300	0.600	3.450		9.315	
	GF Column c3	10	0.400	0.600	3.450		8.280	
	FF Column c1	16	0.300	0.450	3.450		7.452	
	FF Column c2	8	0.300	0.600	3.450		4.968	
	GF Column c3	10	0.400	0.600	3.450		8.280	
	Total Quantity						45.747 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						45.747 cum	
	Say45.747 cum @ Rs 9999.99 / cum						Rs 457469.54	
15	5.3 Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 15 ⁰ landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).							
	Lintel--Ground Floor	1	139.000	0.200	0.150		4.170	
	lintel---First Floor	1	124.590	0.200	0.150		3.738	
	Roof slab ---Ground Floor	1	35.510	17.480	0.120		74.486	
		1	8.950	7.500	0.120		8.055	
	Roof slab---First Floor	1	35.510	17.480	0.120		74.486	
	Landing	2*2	3.000	1.500	0.180		3.240	
	Stair Waist slab	2*2	4.180	1.500	0.180		4.515	
	Stair Step	2*2*24	1.500	0.300	0.150/2		3.240	

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	Sun shade- GF	1	114.640	0.900	0.100		10.318	
	Sun shade- FF	1	99.640	1.330	0.100		13.253	
	Landing BEAM	3	4.000	0.200	0.400		0.960	
	LINTEL AT TERRACE	1	47.500	0.200	0.150		1.425	
	GF							
	GF beam horizontal MB1	2	2.950	0.250	0.450		0.664	
	GF beam horizontal B3	3	2.950	0.250	0.450		0.996	
	GF beam horizontal B4	2	5.210	0.250	0.450		1.173	
	GF beam horizontal B5	2	5.210	0.250	0.600		1.563	
	GF beam horizontal B3	1	5.210	0.250	0.450		0.587	
	GF beam horizontal B3	9	4.340	0.250	0.450		4.395	
	GF beam horizontal B4	6	4.340	0.250	0.450		2.930	
	GF beam horizontal B1	6	2.990	0.250	0.450		2.019	
	GF beam horizontal B5	2	7.250	0.250	0.450		1.632	
	GF beam horizontal B7	1	8.450	0.250	0.450		0.951	
	GF beam vertical B1	5	4.240	0.250	0.450		2.385	
	GF beam vertical B2	6	3.930	0.250	0.600		3.537	
	GF beam vertical B2	3	3.930	0.250	0.450		1.327	
	GF beam vertical B7	1	8.560	0.250	0.600		1.284	
	GF beam vertical B5	10	6.030	0.250	0.600		9.045	
	GF beam vertical B2	6	4.270	0.250	0.600		3.843	
	FF							
	FF beam horizontal MB1	2	2.950	0.250	0.450		0.664	
	FF beam horizontal B3	3	2.950	0.250	0.450		0.996	
	FF beam horizontal B4	2	5.210	0.250	0.450		1.173	
	FF beam horizontal B5	1	5.210	0.250	0.600		0.782	
	FF beam horizontal B3	2	5.210	0.250	0.450		1.173	
	FF beam horizontal B3	20	4.340	0.250	0.450		9.765	
	FF beam horizontal B4	5	4.340	0.250	0.450		2.442	
	FF beam vertical B1	1	4.240	0.250	0.600		0.636	
	FF beam vertical B2	6	3.930	0.250	0.600		3.537	

	FF beam vertical B2	3	3.930	0.250	0.450		1.327	
	FF beam vertical B7	1	8.560	0.250	0.600		1.284	
	FF beam vertical B8	5	12.740	0.350	0.900		20.066	
	FF beam horizontal B4	5	4.270	0.250	0.450		2.402	
	FF beam B3	7	4.440	0.250	0.450		3.497	
	Total Quantity						289.961 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						289.961 cum	
	Say289.961 cum @ Rs 10194.13 / cum						Rs 2955900.13	
16	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more							
	Item No13	1	115.301			60.0	6918.060	65kg/m3
	Item No 14 column	1	45.747			85.0	3888.495	85kg/m3
	Item No 15 Beam slab	1	289.961			80.0	23196.880	80kg/m3
	Total Quantity						34003.435 kilogram	
	Total Deducted Quantity						0.000 kilogram	
	Net Total Quantity						34003.435 kilogram	
	Say34003.435 kilogram @ Rs 78.07 / kilogram						Rs 2654648.17	
17	2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.							
	Basement Filling	1	8.700	7.500	0.450		29.363	
		4	4.200	3.200	0.450		24.192	
		4	5.500	4.200	0.450		41.580	
		4	4.500	4.200	0.450		34.020	
		2	6.300	4.500	0.450		25.515	
	Total Quantity						154.670 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						154.670 cum	
	Say154.670 cum @ Rs 173.45 / cum						Rs 26827.51	
18	50.6.1.5 Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x20cm or nearest available							

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	size confirming to IS 2185 Part I of 1979 for super structure up to floor two level thickness 20cm and above in: CM 1:6 (1 cement : 6 coarse sand) etc complete						
Long wall..Ground Floor	1	35.510	0.200	3.450		24.502	
	1	27.720	0.200	3.450		19.127	
Cross wall..Ground Floor	2	24.980	0.200	3.450		34.473	
	1	17.480	0.200	3.450		12.062	
Long wall..First Floor	2	35.510	0.200	3.450		49.004	
Cross wall..First Floor	2	17.480	0.200	3.450		24.123	
	2	4.690	0.200	3.450		6.473	
Verandha step	2	4.000	0.300	0.150		0.360	
Parapet wall	1	105.980	0.200	1.200		25.436	
Door DD	10	1.200	0.200	2.100		-5.040	
aluminium window	40	1.500	0.200	1.500		-18.000	
ventilator	16	0.250	0.200	0.400		-0.320	
lintel GF	1	139.000	0.200	0.150		-4.170	
Lintel FF	1	124.500	0.200	0.150		-3.735	
	Total Quantity					195.560 cum	
	Total Deducted Quantity					-31.265 cum	
	Net Total Quantity					164.295 cum	
	Say 164.295 cum @ Rs 5693.49 / cum					Rs 935411.94	
19	50.6.3.2 Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x10 cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level for 10 cm thick wall in : CM 1:6 (1 cement : 6 coarse sand) including cost of scaffolding complete						
ladies toilet-- Ground Floor & Second Floor	2*3	1.500	0.100	2.400		2.160	
	2*4	1.200	0.100	2.400		2.304	
Urinal partition wall -- F.Floor	4	0.800	0.100	1.500		0.480	
Toilet wall---- F.Floor	1	1.200	0.100	2.400		0.288	
	1	1.500	0.100	2.400		0.360	
Door PVC (G.F, F.F & S.F)	8	0.750	0.100	2.100		-1.260	

	Total Quantity						5.592 cum
	Total Deducted Quantity						-1.260 cum
	Net Total Quantity						4.332 cum
	Say 4.332 cum @ Rs 6556.95 / cum						Rs 28404.71
20	od1367684/2021_2022 Supplying ,fabricating PVC door with frame in locally available best quality including cost of all fittings labour charges etc complete						
	D3 G.Floor	8	0.750		2.100		12.600
	D3 F.Floor	8	0.750		2.100		12.600
	Total Quantity						25.200 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						25.200 sqm
	Say 25.200 sqm @ Rs 1873.17 / sqm						Rs 47203.88
21	21.1.2.2 For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/ neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)						
	Partition						
	door shutter frame 76.2x50.8x2mm bottom	1*9	5.500	1.250			61.875
	Total Quantity						61.875 kg
	Total Deducted Quantity						0.000 kg
	Net Total Quantity						61.875 kg
	Say 61.875 kg @ Rs 613.72 / kg						Rs 37973.93
22	21.1.1.2 Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS : 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately): For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)						
	Partition						

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	door outer frame 63.5x38.1x2mm vertical	2*9	2.400	1.250			54.000	
	door outer frame 63.5x38.1x2mm horizontal	1*9	1.000	1.250			11.250	
	Partition frame 50.8x50.8x2mm top	3	20.000	1.054			63.240	
	25.4mm clip	4*5	1.180	0.220			5.192	
		4*5	0.840	0.220			3.696	
		8*5	0.800	0.220			7.040	
		4*5	0.900	0.220			3.960	
	window frame 63.5x38.1x2mm	6*40	1.500	1.250			450.000	
	25.4mm clip	6*40	2.000	0.410			196.800	
		6*40	2.000	0.410			196.800	
	Total Quantity						991.978 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						991.978 kg	
	Say991.978 kg @ Rs 530.34 / kg						Rs 526085.61	
23	21.3.2 Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in -Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5.50 mm thickness							
	door portion glass	9	1.000	1.100			9.900	
	window glass	3*40	1.400	0.430			72.240	
	partion glass	1	20.000	0.600			12.000	
		6	3.400	0.600			12.240	
	Total Quantity						106.380 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						106.380 sqm	
	Say106.380 sqm @ Rs 1384.75 / sqm						Rs 147309.71	
24	21.2.1 Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS : 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural							

	drawings and directions of Engineer - in- Charge.Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side							
	door	9	1.000	0.850			7.650	
	partition	1	20.000	1.500			30.000	
		6	3.400	1.500			30.600	
	Total Quantity						68.250 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						68.250 sqm	
	Say68.250 sqm @ Rs 1139.78 / sqm						Rs 77789.99	
25	9.48.2 Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to openings/ wooden frames with rawl plugs screws etc							
	Round Bar 12 mm dia -W4	3*16*10	2.000			0.89	854.400	0.89 kg/m
	Round Bar 12 mm dia --Ventilator	17*3	0.600			0.89	27.234	0.89 kg/m
	Flat 32*6 mm Window W4	3*16*10	1.500			1.5	1080.000	1.5 kg/m
	Flat 32*6 mm V--	17*4	0.600			1.5	61.200	1.5 kg/m
	Total Quantity						2022.834 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						2022.834 kg	
	Say2022.834 kg @ Rs 155.10 / kg						Rs 313741.55	
26	50.9.1.1 Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately), using good quality Anjili wood /jack wood							
	Door Frame vertical DD	10*2	2.100	0.120	0.100		0.504	
	Door Frame horizontal	10*1	1.500	0.120	0.100		0.180	
	Total Quantity						0.684 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.684 cum	
	Say0.684 cum @ Rs 101931.42 / cum						Rs 69721.09	
27	50.9.3.1							

	Providing and fixing paneled or paneled and glazed shutters for doors, windows and clerestory windows, 30 mm thick shutters including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding paneling which will be paid for separately, all complete as per direction Of Engineer in- charge. using Anjili/ Jack wood							
	DOOR							
	Door Shutter DD	10	1.020	2.010			20.502	
	Total Quantity						20.502 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						20.502 sqm	
	Say20.502 sqm @ Rs 2613.08 / sqm						Rs 53573.37	
28	50.9.4.1 Providing and fixing paneling or paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured) paneling for paneled or paneled and glazed shutters 25 mm to 40 mm thick using good quality Anjili/ Jack wood							
	Door Shutter Panelling DD	10*4	0.400	1.100			17.600	
	Total Quantity						17.600 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						17.600 sqm	
	Say17.600 sqm @ Rs 2412.05 / sqm						Rs 42452.08	
29	9.53 Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)							
	FOR DOOR DD	10	4.000				40.000	
	Total Quantity						40.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						40.000 each	
	Say40.000 each @ Rs 163.58 / each						Rs 6543.20	
30	13.16.1 6 mm cement plaster of mix:1:3 (1 cement : 3 fine sand)							
	Ceiling	1	35.510	17.480			620.715	
		1	7.500	8.950			67.125	
	GF beam side	2*20	4.690	0.600			112.560	
		2*10	8.360	0.600			100.320	

		2*30	4.590	0.600			165.240	
		2*5	4.900	0.600			29.400	
	FF beam side	2*20	4.690	0.600			112.560	
		2*10	8.360	0.600			100.320	
		2*30	4.590	0.600			165.240	
		2*5	4.900	0.600			29.400	
	sun shade GF	1	114.640	0.900			103.176	
	sun shade GF	1	99.640	0.900			89.676	
	Column	26	(0.25+0.4) *2	3.380			114.244	
	Column	13	3.140	0.200	2.580		21.064	
	stair slab	2	93.800	0.180			33.768	
		1	20.800	0.180			3.744	
		6	1.950	2.000			23.400	
	landing	2*2	3.000	1.500			18.000	
	Total Quantity						1909.952 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1909.952 sqm	
	Say 1909.952 sqm @ Rs 198.34 / sqm						Rs 378819.88	
31	13.4.1 12 mm cement plaster of mix:1:4 (1 cement : 4 coarse sand)							
	Long wall..Ground Floor	1*2	35.510		3.450		245.019	
		1*2	27.720		3.450		191.268	
	Cross wall..First Floor	2*2	24.980		3.450		344.724	
		1*2	17.480		3.450		120.612	
	Long wall..Firstd Floor	2*2	35.510		3.450		490.038	
	Cross wall..Ground Floor	2*2	17.480		3.450		241.224	
		2*2	4.690		3.450		64.722	
	Verandha step	2	4.000		0.150		1.200	
	Parapet wall	1*2	105.980		1.200		254.352	
	Door DD	10	1.200		2.100		-25.200	
	aluminium window	40	1.500		1.500		-90.000	

	ventilator	16	0.250		0.400		-1.600	
	Total Quantity						1953.159 sqm	
	Total Deducted Quantity						-116.800 sqm	
	Net Total Quantity						1836.359 sqm	
	Say 1836.359 sqm @ Rs 249.45 / sqm						Rs 458079.75	
32	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface: Water thinnable cement primer							
	Ceiling	1	35.510	17.480			620.715	
		1	7.500	8.950			67.125	
	GF beam side	2*20	4.690	0.600			112.560	
		2*10	8.360	0.600			100.320	
		2*30	4.590	0.600			165.240	
		2*5	4.900	0.600			29.400	
	FF beam side	2*20	4.690	0.600			112.560	
		2*10	8.360	0.600			100.320	
		2*30	4.590	0.600			165.240	
		2*5	4.900	0.600			29.400	
	sun shade GF	1	114.640	0.900			103.176	
	sun shade GF	1	99.640	0.900			89.676	
	Column	26	(0.25+0.4) *2	3.380			114.244	
	Column	13	3.140	0.200	2.580		21.064	
	stair slab	2	93.800	0.120			22.512	
		1	20.800	0.120			2.496	
		6	1.950	2.000			23.400	
	landing	3	4.000	2.050			24.600	
	Long wall..Ground Floor	1*2	35.510		3.450		245.019	
		1*2	27.720		3.450		191.268	
	Cross wall..First Floor	2*2	24.980		3.450		344.724	
		1*2	17.480		3.450		120.612	
	Long wall..Firstd Floor	2*2	35.510		3.450		490.038	

	Total Quantity						1904.048 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						1904.048 sqm
	Say1904.048 sqm @ Rs 116.48 / sqm						Rs 221783.51
34	13.46.1 Finishing walls with Acrylic Smooth exterior paint of required shade:New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)						
	Long wall..Ground Floor	1*2	35.510		3.450		245.019
		1*2	27.720		3.450		191.268
	Cross wall..First Floor	2*2	24.980		3.450		344.724
		1*2	17.480		3.450		120.612
	Long wall..Firstd Floor	2*2	35.510		3.450		490.038
	Cross wall..Ground Floor	2*2	17.480		3.450		241.224
		2*2	4.690		3.450		64.722
	Verandha step	2	4.000		0.150		1.200
	Parapet wall	1*2	105.980		1.200		254.352
	Door DD	10	1.200		2.100		-25.200
	aluminium window	40	1.500		1.500		-90.000
	ventilator	16	0.250		0.400		-1.600
	Total Quantity						1953.159 sqm
	Total Deducted Quantity						-116.800 sqm
	Net Total Quantity						1836.359 sqm
	Say1836.359 sqm @ Rs 132.48 / sqm						Rs 243280.84
35	13.85.1 Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre						
	DOOR DD	10	1.200	2.100		2.6	65.520
	Total Quantity						65.520 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						65.520 sqm
	Say65.520 sqm @ Rs 53.03 / sqm						Rs 3474.53
36	13.61.1						

	Cross wall..Ground Floor	2*2	17.480		3.450		241.224	
		2*2	4.690		3.450		64.722	
	Verandha step	2	4.000		0.150		1.200	
	Parapet wall	1*2	105.980		1.200		254.352	
	Door DD	10	1.200		2.100		-25.200	
	aluminium window	40	1.500		1.500		-90.000	
	ventilator	16	0.250		0.400		-1.600	
	Total Quantity						3857.207 sqm	
	Total Deducted Quantity						-116.800 sqm	
	Net Total Quantity						3740.407 sqm	
	Say 3740.407 sqm @ Rs 50.97 / sqm						Rs 190648.54	
33	13.60.1 Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:Two or more coats on new work							
	Ceiling	1	35.510	17.480			620.715	
		1	7.500	8.950			67.125	
	GF beam side	2*20	4.690	0.600			112.560	
		2*10	8.360	0.600			100.320	
		2*30	4.590	0.600			165.240	
		2*5	4.900	0.600			29.400	
	FF beam side	2*20	4.690	0.600			112.560	
		2*10	8.360	0.600			100.320	
		2*30	4.590	0.600			165.240	
		2*5	4.900	0.600			29.400	
	sun shade GF	1	114.640	0.900			103.176	
	sun shade GF	1	99.640	0.900			89.676	
	Column	26	(0.25+0.4) *2	3.380			114.244	
	Column	13	3.140	0.200	2.580		21.064	
	stair slab	2	93.800	0.120			22.512	
		1	20.800	0.120			2.496	
		6	1.950	2.000			23.400	
	landing	3	4.000	2.050			24.600	

	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work						
	DOOR DD	10	1.200	2.100		2.6	65.520
	Total Quantity						65.520 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						65.520 sqm
	Say 65.520 sqm @ Rs 108.14 / sqm						Rs 7085.33
37	11.41.2 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600 x 600 mm.						
	GF	1	35.010	16.980			594.470
		1	8.450	7.000			59.150
	Step	3	8.950	0.300			8.055
	GF stair	24	1.500	0.300			10.800
		24	1.500	0.150			5.400
	FF Stair	24	1.500	0.300			10.800
		24	1.500	0.150			5.400
	Floor FF	1	35.010	16.980			594.470
		1	8.450	7.000			59.150
	FF Stair	24	1.500	0.300			10.800
		24	1.500	0.150			5.400
	Total Quantity						1363.895 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						1363.895 sqm
	Say 1363.895 sqm @ Rs 1543.99 / sqm						Rs 2105840.24
38	11.36 Providing and fixing I st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer -in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.						
	Toilet wall Dadoing	16	6.900		2.100		231.840
	wash	2	2.300		0.800		3.680
	Urinal wall	2	3.500		1.200		8.400

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	Door Area	16	0.750		2.100		-25.200	
	Total Quantity						243.920 sqm	
	Total Deducted Quantity						-25.200 sqm	
	Net Total Quantity						218.720 sqm	
	Say218.720 sqm @ Rs 1027.30 / sqm						Rs 224691.06	
39	11.37 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.							
	Toilet	16	1.350	2.100			45.360	
	Passage	2	1.500	0.800			2.400	
	Wash	3	1.200	2.100			7.560	
	Total Quantity						55.320 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						55.320 sqm	
	Say55.320 sqm @ Rs 949.44 / sqm						Rs 52523.02	
40	10.28 Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)							
	Stair Vertical Rod GF & a m p ; a m p ; F F & a m p ; a m p ; S F	2*26	0.800			2.5	104.000	
	Stair Inclined Rod GF & a m p ; a m p ; F F & a m p ; a m p ; S F	2*2	3.600			2.5	36.000	
	Second Floor	1	2.000			2.5	5.000	
	Second Floor	7	0.800			2.5	14.000	
	Total Quantity						159.000 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						159.000 kg	
	Say159.000 kg @ Rs 651.58 / kg						Rs 103601.22	

SI No	Description	No	L	B	D	CF	Quantity	Remark
2 Appendix -B Septic Tank								
1	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil							
	septic tank	1	3.540	2.450	3.000		26.019	
	Soak pit	2	1.500	1.200	2.450		8.820	
	Total Quantity						34.839 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						34.839 cum	
	Say34.839 cum @ Rs 173.72 / cum							Rs 6052.23
2	4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)							
	Septic tank	1	3.540	2.450	0.100		0.868	
	Total Quantity						0.868 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.868 cum	
	Say0.868 cum @ Rs 6176.71 / cum							Rs 5361.38
3	5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size							
	Septic tank-Bed	1	3.540	2.450	0.150		1.301	
	Side wall	2	3.540	0.150	2.750		2.921	
	Side wall	2	2.050	0.150	2.750		1.692	
		2	2.050	0.100	2.500		1.025	
	cover slab	1	3.540	2.450	0.150		1.301	
	cover slab Dry pit	1	1.500	1.200	0.150		0.270	
	Total Quantity						8.510 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						8.510 cum	
	Say8.510 cum @ Rs 8572.83 / cum							Rs 72954.78

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4	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform							
	slab	1	3.140	2.050			6.437	
	Total Quantity						6.437 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						6.437 sqm	
	Say6.437 sqm @ Rs 582.48 / sqm						Rs 3749.42	
5	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers							
	Side wall	2	3.540		2.700		19.116	
	Side wall	2	2.450		2.700		13.230	
	Inside wall	2	3.140		2.700		16.956	
		2	2.050		2.700		11.070	
	Inside wall	2*2	2.050		2.500		20.500	
	Total Quantity						80.872 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						80.872 sqm	
	Say80.872 sqm @ Rs 472.96 / sqm						Rs 38249.22	
6	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more							
	Item No -3	1	8.510			40.0	340.400	80 kg/m3
	Total Quantity						340.400 kilogram	
	Total Deducted Quantity						0.000 kilogram	
	Net Total Quantity						340.400 kilogram	
	Say340.400 kilogram @ Rs 78.07 / kilogram						Rs 26575.03	
7	13.3.1 20 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)							
		2	3.140		2.700		16.956	
		2	2.050		2.700		11.070	
		2*2	2.050		2.500		20.500	
	Total Quantity						48.526 sqm	
	Total Deducted Quantity						0.000 sqm	

	Net Total Quantity						48.526 sqm	
	Say48.526 sqm @ Rs 331.24 / sqm						Rs 16073.75	
8	od1021415/2020_2021 Dry rubble masonry for soak pit (modified 60.7.1)							
	SOAK PIT	2	1.500	0.500	2.450		3.676	
		2	1.200	0.500	2.450		2.940	
	Total Quantity						6.616 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						6.616 cum	
	Say6.616 cum @ Rs 2441.94 / cum						Rs 16155.88	
9	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with:Cement mortar 1:6 (1 cement : 6 coarse sand)							
	SOAK PIT	2	1.500	0.300	0.300		0.270	
		2	1.200	0.300	0.300		0.216	
	Total Quantity						0.486 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.486 cum	
	Say0.486 cum @ Rs 5470.10 / cum						Rs 2658.47	
SI No	Description	No	L	B	D	CF	Quantity	Remark
3 Appendix -c Plumbing and sanitay								
1	17.2.1 Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:W.C. pan with ISI marked white solid plastic seat and lid							
		21					21.000	
	Total Quantity						21.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						21.000 each	
	Say21.000 each @ Rs 4715.41 / each						Rs 99023.61	
2	17.7.1 Providing and fixing wash basin with C.I. brackets, 15 mrn C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass							

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	pillar taps								
		25						25.000	
						Total Quantity		25.000 each	
						Total Deducted Quantity		0.000 each	
						Net Total Quantity		25.000 each	
						Say25.000 each @ Rs 3170.39 / each		Rs 79259.75	
3	17.70.1 Providing and fixing PTMT Bottle Trap for Wash basin and sink.Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the center of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms								
		1	25.000					25.000	
						Total Quantity		25.000 each	
						Total Deducted Quantity		0.000 each	
						Net Total Quantity		25.000 each	
						Say25.000 each @ Rs 405.45 / each		Rs 10136.25	
4	17.32.2 Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm								
		10						10.000	
						Total Quantity		10.000 each	
						Total Deducted Quantity		0.000 each	
						Net Total Quantity		10.000 each	
						Say10.000 each @ Rs 1038.34 / each		Rs 10383.40	
5	50.18.8.9.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chased and making good the wall etc. 110 mm pipe 6kgf/cm ²								
		1	20.000					20.000	
						Total Quantity		20.000 metre	
						Total Deducted Quantity		0.000 metre	
						Net Total Quantity		20.000 metre	
						Say20.000 metre @ Rs 590.94 / metre		Rs 11818.80	
6	50.18.8.7.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This								

	includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work including cutting chases and making good the wall etc. 63 mm pipe 6 Kgf/cm2						
		20					20.000
	Total Quantity						20.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						20.000 metre
	Say 20.000 metre @ Rs 477.55 / metre						Rs 9551.00
7	50.18.9.7.1 Providing and fixing PVC pipes including of pipes with one step PVC solvent cement, trenching refilling & testing of joints complete as per direction of Engineer in Charge. 63 mm dia 6Kgf/cm2						
		75					75.000
	Total Quantity						75.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						75.000 metre
	Say 75.000 metre @ Rs 280.17 / metre						Rs 21012.75
8	50.18.9.6.2 Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 50 mm dia 6 Kgf/cm2						
		40					40.000
	Total Quantity						40.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						40.000 metre
	Say 40.000 metre @ Rs 189.88 / metre						Rs 7595.20
9	50.18.9.9.1 Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of Joints complete as per direction of engineer in charge. 110 mm dia 6Kgf/cm2						
		1	40.000				40.000
	Total Quantity						40.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						40.000 metre
	Say 40.000 metre @ Rs 437.70 / metre						Rs 17508.00
10	50.18.9.5.1 Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement, trenching refilling & testing of joints complete as per direction of Engineer in Charge 40 mm dia 10Kgf/cm2						
		1	40.000				40.000

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	Total Quantity							40.000 metre
	Total Deducted Quantity							0.000 metre
	Net Total Quantity							40.000 metre
	Say 40.000 metre @ Rs 221.99 / metre							Rs 8379.60
11	50.18.9.4.1 Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 32 mm dia 10. Kg/cm ²							
		1	60.000				60.000	
	Total Quantity							60.000 metre
	Total Deducted Quantity							0.000 metre
	Net Total Quantity							60.000 metre
	Say 60.000 metre @ Rs 188.72 / metre							Rs 11323.20
12	50.18.9.13.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 25 mm dia 10 Kg/cm ² - External work - Exposed on wall							
		1	80.000				80.000	
	Total Quantity							80.000 metre
	Total Deducted Quantity							0.000 metre
	Net Total Quantity							80.000 metre
	Say 80.000 metre @ Rs 208.44 / metre							Rs 16675.20
13	18.48 Providing and placing on terrace (at all floor levels) polyethylene water storage tank :ISI 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.							
		1	5000.000				5000.000	
	Total Quantity							5000.000 Litre
	Total Deducted Quantity							0.000 Litre
	Net Total Quantity							5000.000 Litre
	Say 5000.000 Litre @ Rs 10.00 / Litre							Rs 50000.00
14	18.51.1 Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15 mm nominal bore							
		15					15.000	
	Total Quantity							15.000 each
	Total Deducted Quantity							0.000 each

		Net Total Quantity					15.000 each	
		Say 15.000 each @ Rs 679.37 / each					Rs 10190.55	
15	18.52.1	Providing and fixing C.P brass stop cock (concealed) of standard design and of approved make conforming to IS: 893115 mm nominal bore						
		1	25.000				25.000	
		Total Quantity					25.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					25.000 each	
		Say 25.000 each @ Rs 753.03 / each					Rs 18825.75	
16	18.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS: 893115 mm nominal bore						
		1	12.000				12.000	
		Total Quantity					12.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					12.000 each	
		Say 12.000 each @ Rs 656.13 / each					Rs 7873.56	
17	50.18.9.22.7	Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x75 mm dia Door Tee						
		1	25.000				25.000	
		Total Quantity					25.000 no	
		Total Deducted Quantity					0.000 no	
		Net Total Quantity					25.000 no	
		Say 25.000 no @ Rs 175.28 / no					Rs 4382.00	
18	50.18.9.22.3	Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement-110 mm dia Door Elbow						
		1	20.000				20.000	
		Total Quantity					20.000 no	
		Total Deducted Quantity					0.000 no	
		Net Total Quantity					20.000 no	
		Say 20.000 no @ Rs 126.90 / no					Rs 2538.00	
19	17.1.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm Sand Cast Iron P or						

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S trap, 10 litter low level white P.V.C.flushing cistern, including flush pipe, manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever require:White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests								
		6					6.000	
		3					3.000	
	Total Quantity						9.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						9.000 each	
	Say9.000 each @ Rs 4819.55 / each						Rs 43375.95	
SI No	Description	No	L	B	D	CF	Quantity	Remark
4 interlock								
1	16.68 Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.							
	Front Yard	1	15.000	5.610			84.150	
	Total Quantity						84.150 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						84.150 sqm	
	Say84.150 sqm @ Rs 849.24 / sqm						Rs 71463.55	
2	51.2.3 Filling with Quarry Muck Filling up low lying and water logged areas with local material/ quarry muck, spreading in layers, leveling the top at site and consolidation by ramming, etc complete for improving the CBR value of subgrade							
	Front Yard	1	15.000	10.100	0.150		22.725	
	Total Quantity						22.725 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						22.725 cum	
	Say22.725 cum @ Rs 892.06 / cum						Rs 20272.06	
SI No	Description	No	L	B	D	CF	Quantity	Remark
5 NAME BOARD								
1	od1252054/2021_2022 Supplying and fixing granite name board of 75x60 cm size installed in appropriate place visible to public made of brick wall with granite plaque should be inserted and engraving letters etc complete as per direction of engineers at site.							

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		2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 4976.16 / each						Rs 9952.32	
Amount reserved for GST payments								Rs 2121388.73
Total								Rs 19799628.19
Lumpsum for round off							371.81	
TOTAL								Rs 1.979999999907207E7
Rounded Total								Rs 19800000.00
Rupees One Crore Ninety Eight Lakh Only								

(Cost Index Applied for this estimate is 37.93%)

LSGD Engineering Wing

PRICE

TECHNICAL SANCTION FOR WORKS**LOCAL SELF GOVERNMENT (ENGINEERING) DEPARTMENT****PROCEEDINGS OF THE SUPERINTENDING ENGINEER SOUTH CIRCLE LSGD**

PRESENT :Sri/Smt Sobhanakumari.B

ORDER No:LSGD/TS/2021-2022/131752

Dated:31-08-2021

Circle :	South Circle LSGD
Division :	LSGD Division Thiruvananthapuram
Sub Division :	LSGD Subdivision Perumkadavila
Section :	LSGD Section Amboori
Name of the Work :	BUDGET work - 2019-20- Parassala LAC - Annexure II Vol II - Sl. no. 699- Construction of Town Hall in Kallikkadu G P - 20000000/-
AS Reference No and date :	GO (Rt).1692/2020/LSGD 19-09-2020
Amount for which AS is issued:	2,00,00,000 /-
Type of Execution :	Tender
SoR :	DSoR 2016
Cost Index Applied :	37.93% (Trivandrum)
Amount for Which TS is Issued :	19800000.00
Duration of Work :	12 Months
Technical Sanction issued for the above work is entered in the TS register vide register number 25378/2021-2022	

-sd

Superintending Engineer

REVISED ESTIMATE

REVISED ESTIMATE

BUDGET WORK - 2019-20- Parassala LAC - Annexure II Vol II - Sl. no. 699-

Construction of Town Hall in Kallikkadu GP - 2000000/-

	I	II	Quantity
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BUDGET WORK - 2019-20- Paras										Construction of Town Hall in Kalikkadu GP - 2000m										Total
No	L	B	H	Quantity																
SI No	I Appendix- A Construction of Building																			
20.2.4	Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring, with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap). 500 mm dia piles																			
1.1	9	7.00							63.00	m										
	5	7.05							35.25											
									98.25	m										
	Say	98.25	m	@	2424.6				/m	238216.95										
od1022819/2020_2021	Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring, with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap). 700 mm dia piles.																			
1.2	25	6.15							153.75	m										
	10	6.00							60.00	m										
	2	6.20							12.40	m										
									226.15	m										
	Say	226.150	m	@	3502.85				/m	792169.53										
20.6.2.1	Vertical load testing of piles in accordance with IS 2911(Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of engineer -in-Charge. Single pile above 50 tonne and upto 100 tonne capacity Initial test																			
1.3	1								1.000	/t										
									1.000	/t										
	Say	1.000	/t	@	64562.9				/per test	64562.90										
2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil																			
1.4	10	3.05	1.300	0.150					5.948	m ³										
	2P70	7	2.35	1.100	0.150				2.714											
	2P50	17	1.30	1.300	0.150				4.310											
	1P70	-14	3.14	0.063	0.150				-0.412											
		-37	3.14	0.123	0.150				-2.135											
		1	15.85	0.300	0.900	0.60			(4.280)	m ³ 2.85										
	RW, portion-1	1	55.90	0.300	0.800	0.50			(13.416)	8.385										
	RW, portion-2	1	29.20	0.300	0.800	0.50			(7.008)	4.38										
	RW, portion-3																			

		26.04		35.129		35.129		Cum		5976.70		8062.81	
Say				m³		m³		m³					
1.5	4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)												
	2P70	10	3.05	1.300	0.150			5.948	m³				
	2P50	7	2.35	1.100	0.150			2.714					
	1P70	17	1.30	1.300	0.150			4.310					
		-14	3.14	0.063	0.150			-0.412					
		-37	3.14	0.123	0.150			-2.135					
	PB Grid 1	1	7.67	0.300	0.150			0.35					
	Grid 2	1	19.47	0.300	0.150			0.88					
		-4	0.60	0.300	0.150			-0.11					
	Grid 3	1	19.47	0.300	0.150			0.88					
		-3	0.60	0.300	0.150			-0.08					
		-2	0.45	0.300	0.150			-0.04					
	Grid 4	1	4.60	0.300	0.150			0.21					
	Grid 5	1	19.47	0.300	0.150			0.88					
		-4	0.60	0.300	0.150			-0.11					
		-1	0.45	0.300	0.150			-0.02					
	Grid 6-8	3	19.47	0.300	0.150			2.63					
		-6	0.70	0.300	0.150			-0.19					
		-3	0.60	0.300	0.150			-0.08					
		-3	0.30	0.300	0.150			-0.04					
	Grid 9	1	19.47	0.300	0.150			0.88					
		-3	0.60	0.300	0.150			-0.08					
		-1	0.45	0.300	0.150			-0.02					
	B/w grid ED	6	4.43	0.250	0.150			1					
		6	1.55	0.250	0.150			0.35					
		1	1.60	0.250	0.150			0.06					
		1	1.19	0.250	0.150			0.04					
	Longer direction Varandha side	1	31.90	0.300	0.150			1.44					
		-8	0.30	0.300	0.150			-0.11					
	Grid A	1	31.90	0.300	0.150			1.44					
		-5	0.30	0.300	0.150			-0.07					
		-3	0.50	0.300	0.150			-0.07					
	B/w grid BC	1	5.15	0.300	0.150			0.23					
		-1	0.30	0.300	0.150			-0.01					
	Grid C	1	14.81	0.300	0.150			0.67					
		-5	0.30	0.300	0.150			-0.07					
	B/w grid CD	1	31.90	0.300	0.150			1.44					
		1	23.45	0.300	0.150			1.06					
		1	5.15	0.300	0.150			0.23					
		-8	0.30	0.300	0.150			-0.11					
		-3	0.50	0.300	0.150			-0.07					
	Grid D	1	5.34	0.300	0.150			0.24					
	Grid E	1	31.90	0.300	0.150			1.44					
		-4	0.30	0.300	0.150			-0.05					
		-3	0.45	0.300	0.150			-0.06					
	Lift base	1	3.50	2.550	0.150			1.34					
	GF Flooring	1	31.60	17.170	0.075			40.693					
		1	7.97	5.940	0.075			3.551					
	Deduct	-6	0.70	0.500	0.075			-0.158					
		-19	0.60	0.300	0.075			-0.257					
		-9	0.45	0.300	0.075			-0.091					
	Lift base	-1	3.50	2.550	0.075			-0.669					
	RW, portion-1	1	15.85	0.300	0.100			0.476					
	RW, portion-2	1	55.90	0.300	0.100			1.677					

	RW, portion-3	1	29.20	0.300	0.000	0.076	72.779	72.779	4,49,534.78
			72.779				72.823	72.823	449806.55
	Say		72.823	m ³	@	6070.70	/Cum		
1.6	5.9.1 Centering and shuttering including strutting, etc. and removal of form for Foundations, footings, bases of columns, etc for mass concrete								
	2P70	20	2.75	0.900			49.500	m ³	
		20	1.00	0.900			18.000		
	2P50	14	2.05	0.750			21.525		
		14	0.80	0.750			8.400		
	1P70	34	1.00	0.700			23.800		
		34	1.00	0.700			23.800	m ²	
	RW, portion-1	2	15.85	0.900			28.530		
		1	15.85	0.800			12.680		
	RW, portion-2	2	55.90	0.850			95.030		
		1	55.90	0.800			44.720		
	RW, portion-3	2	29.20	0.750			43.800		
		1	29.20	0.650			18.980		
	Say		388.765	m ²	@	267.52	/Sqm		104002.41
1.7	5.9.5 Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers								
	PB Grid 1	1	7.67		0.900		6.9		
	Grid 2	1	19.47		0.900		17.52		
		-4	0.60		0.900		-2.16		
	Grid 3	1	19.47		0.900		17.52		
		-3	0.60		0.900		-1.62		
		-2	0.45		0.900		-0.81		
	Grid 4	1	4.60		0.900		4.14		
	Grid 5	1	19.47		0.900		17.52		
		-4	0.60		0.900		-2.16		
		-1	0.45		0.900		-0.41		
	Grid 6-8	3	19.47		0.900		52.57		
		-6	0.70		0.900		-3.78		
		-3	0.60		0.900		-1.62		
		-3	0.30		0.900		-0.81		
	Grid 9	1	19.47		0.900		17.52		
		-3	0.60		0.900		-1.62		
		-1	0.45		0.900		-0.41		
	B/w grid ED	6	4.43		0.900		23.92		
		6	1.55		0.900		8.37		
		1	1.60		0.900		1.44		
		1	1.19		0.900		1.07		
	Longer direction Varandha side	1	31.90		0.900		28.71		
		-8	0.30		0.900		-2.16		
	Grid A	1	31.90		0.900		28.71		
		-5	0.30		0.900		-1.35		
		-3	0.50		0.900		-1.35		
	B/w grid BC	1	5.15		0.900		4.64		
		-1	0.30		0.900		-0.27		
	Grid C	1	14.81		0.900		13.33		
		-5	0.30		0.900		-1.35		
	B/w grid CD	1	31.90		0.900		28.71		
		1	23.45		0.900		21.11		
		1	5.15		0.900		4.64		
		-8	0.30		0.900		-2.16		
		-3	0.50		0.900		-1.35		
	Grid D	1	5.34		0.900		4.81		
	Grid E	1	31.90		0.900		28.71		

		-4	0.30		0.4000	-1.08
		-3	0.45		0.4000	-1.22
		1	7.67		1.2600	9.66
	GF roof beam Grid 1	6	2.49		0.4000	13.6
	B/w Grid 1 & 2	1	3.21		0.4000	3.24
	Grid 2	1	7.67		1.26	9.66
		1	4.19		1.01	4.23
		1	2.10		0.81	1.7
		1	3.76		1.01	3.8
	Grid 3	1	7.12		1.26	8.97
		1	3.89		1.01	3.93
		1	2.10		0.81	1.7
		1	4.04		1.01	4.08
	Grid 4	1	2.10		0.81	1.7
		1	3.91		1.01	3.95
	Grid 5	1	10.71		1.26	13.49
		1	2.10		0.81	1.7
		1	4.41		1.01	4.45
	B/w Grid 5 & 6	1	3.96		1.01	12
	Grid 6-8	3	4.61		1.01	9.31
		2	11.61		1.26	43.89
		3	2.10		0.81	5.1
		3	4.21		1.01	4.25
	Grid 9	1	11.01		1.26	13.87
		1	2.10		0.81	1.7
		1	31.90		0.81	25.84
	Longer direction Varandha side	-8	0.25		0.400	-0.8
		1	31.90		1.26	40.19
	Grid A	-5	0.30		1.26	-1.89
		-3	0.50		1.26	-1.89
	B/w grid BC	1	23.25		1.01	23.48
		1	2.00		1.01	2.02
		-5	0.30		1.26	-1.52
	Grid C	1	5.34		1.010	6.73
		1	8.95		1.010	9.04
		-3	0.3		1.01	-0.91
	B/w grid CD	1	28.68		1.26	28.97
		1	28.68		1.01	36.14
		1	2.92		1.01	2.95
		-9	0.30		1.01	-2.73
		-3	0.50		1.01	-1.52
	Grid D	1	5.34		1.260	6.73
	Grid E	1	31.90		1.010	32.22
		-4	0.30		0.380	-0.46
		-3	0.45		0.380	-0.51
	Balcony floor beam Grid 2	1	3.21		1.010	3.24
		1	7.67		1.26	9.66
		1	4.19		1.01	4.23
		1	2.20		0.81	1.78
		1	3.76		1.01	3.8
	Grid 3	1	7.12		1.26	8.97
		1	3.89		1.01	3.93
		1	2.20		0.81	1.78
		1	4.04		1.01	4.08
	Grid 4	1	2.20		0.81	1.78
		1	3.91		1.01	3.95
	Grid 5	1	11.31		1.26	14.25
		1	2.20		0.81	1.78
		3	3.96		1.01	12
	Grid 6-8	1	4.61		0.81	4.66
		3	2.20		1.01	5.35
		1	4.21		1.01	4.25
	Grid 9	1	11.01		1.26	13.87

		1	2.20		0.000	1.78		
	Longer direction Varandha side	1	31.90		0.000	25.84		
		-8	0.25		0.400	-0.8		
	Grid A	1	31.90		0.205	40.19		
		-5	0.30		0.205	-1.89		
		-3	0.50		0.205	-1.89		
	B/w grid BC	1	2.00		0.000	2.02		
	Grid C	1	2.92		0.000	2.95		
	B/w grid CD slope beam	3	5.43		0.000	24.44		
		1	2.92		0.000	2.95		
		1	17.25		0.205	21.74		
		-3	0.50		0.205	-1.89		
		-1	0.30		0.205	-0.38		
	Grid E	1	31.90		0.000	32.22		
		-4	0.30		0.380	-0.46		
		-3	0.45		0.380	-0.51		
	SF roof beam Grid 2	1	3.21		0.000	3.24		
		1	7.67		0.205	9.66		
		1	4.19		0.000	4.23		
		1	2.30		0.81	1.86		
	Grid 3	1	3.76		0.000	3.8		
		1	7.12		0.205	8.97		
		1	3.89		0.000	3.93		
		1	2.30		0.81	1.86		
	Grid 4	1	4.04		0.000	4.08		
		1	2.30		0.81	1.86		
	Grid 5	1	3.91		0.000	3.95		
		1	10.71		0.205	13.49		
		1	2.30		0.81	1.86		
	Grid 6-8	3	3.96		0.000	12		
		1	4.61		0.61	2.81		
		3	11.61		2.08	72.45		
		3	2.30		0.81	5.59		
	Grid 9	1	4.21		0.000	4.25		
		1	11.01		0.205	13.87		
		1	2.30		0.81	1.86		
	Longer direction Varandha side	1	31.90		0.81	25.84		
		-8	0.25		0.400	-0.8		
	Grid A	1	31.90		0.205	40.19		
		-5	0.30		0.205	-1.89		
		-3	0.50		0.205	-1.89		
	B/w grid BC	1	23.25		0.000	23.48		
		1	2.00		0.000	2.02		
		-5	0.30		0.000	-1.52		
	Grid C	1	8.95		0.000	9.04		
		-3	0.3		0.000	-0.91		
	B/w grid CD	1	28.68		0.000	28.97		
		1	28.68		0.205	36.14		
		1	2.92		0.000	2.95		
		-9	0.30		0.000	-2.73		
		-3	0.50		0.000	-1.52		
	Grid E	1	31.90		0.000	32.22		
		-4	0.30		0.380	-0.46		
		-3	0.45		0.380	-0.51		
	Stair Tower	4	2.97		0.000	12		
		4	3.66		0.000	14.79		
	lift	2	2.05		0.000	4.14		
		1	2.50		0.000	2.53		
	Lintels	6	5.82		0.45	15.71		
		6	5.35		0.45	14.45		
		6	5.28		0.45	14.26		
		6	5.12		0.45	13.82		
		6	5.54		0.45	14.96		

		6	2.93			0.45	7.91		
		6	4.56			0.45	12.31		
		5	5.64			0.45	12.69		
		5	5.52			0.45	12.42		
		5	2.2			0.45	4.95		
		10	4.56			0.45	20.52		
	Inside partition	6	5.64			0.45	15.23		
		8	5.52			0.45	19.87		
		10	2.2			0.45	9.9		
		3	12.31			0.45	16.62		
	Gallery steps	1	9.81			0.45	4.41		
							1543.630	m ²	
	Say		1543.630	m ²	@	472.96			730075.24
1.8	5.9.6 Centering and shuttering including strutting, etc. and removal of form for: Columns, Pillars, Piers, Abutments, Posts and Struts								
	Column GF	6.00	2.40			3.100	44.64		
		19	1.80			3.100	106.02		
		9	1.50			3.100	41.85		
	FF	6	2.40			3.100	44.64		
		13	1.80			3.100	72.54		
		9	1.50			3.100	41.85		
	SF	6	2.40			3.100	44.64		
		13	1.80			3.100	72.54		
		9	1.50			3.100	41.85		
	Tower portion	7	1.80			2.100	26.46		
		4	1.50			2.100	12.6		
							549.630	m ²	
	Say		549.630	m ²	@	645.31	/Sqm		354681.74
1.9	5.9.7 Centering and shuttering including strutting, etc. and removal of form for: Stairs, (excluding landings) except spiral - staircases)								
	Stair flight GF	2	3.3	1.45			9.57		
		2	3.7	1.45			10.73		
		1	3.15	1.5			4.73		
		1	3.7	1.5			5.55		
	FF	2	3.3	1.45			9.57		
		2	3.7	1.45			10.73		
		1	3.15	1.5			4.73		
		1	3.15	1.5			4.73		
	SF	2	3.3	1.45			9.57		
		2	3.7	1.45			10.73		
		1	3.15	1.5			4.73		
		1	3.15	1.5			4.73		
							90.100	m ²	
	Say		90.1	m ²	@	578.41	/Sqm		52114.74
1.10	5.9.3 Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform								
	Porch	9	2.56	1.88			43.32		
	GF span 2-3	1	7.12	2.97			21.15		
		1	1.85	2.97			5.49		
	Span 3-5	1	4.41	5.18			22.84		
		1	6.90	5.18			35.72		
		1	4.84	2.88			13.94		
		1	1.85	2.88			5.33		
		1	1.97	2.00			3.94		
	span 5-6	1	4.41	5.20			22.93		
		1	13.59	5.25			71.35		

	span 6-7	1	4.41	5.20			22.93		
		1	13.59	5.25			71.35		
	span 7-8	1	2.45	4.39			10.76		
		1	13.59	5.40			73.39		
	span 8-9	1	17.97	5.75			103.33		
	Balcony floor span 2-3	1	7.12	2.97			21.15		
		1	1.95	2.97			5.79		
	Span 3-5	1	4.41	5.18			22.84		
	Gallery portion	1	6.90	5.18			35.72		
		1	4.84	2.88			13.94		
		1	1.95	2.88			5.62		
		2	1.95	2.00			7.8		
	Additional projection	1	12.24	1.00			12.24		
	span 5-6	1	4.41	5.45			24.03		
		1	1.95	5.45			10.63		
	span 6-7	1	4.41	5.30			23.37		
		1	1.95	5.30			10.34		
	span 7-8	1	2.45	4.39			10.76		
		1	1.95	5.45			10.63		
	span 8-9	1	4.39	5.75			25.24		
		1	5.75	1.95			11.21		
	SF roof span 2-3	1	7.12	2.97			21.15		
		1	2.05	2.97			6.09		
	Span 3-5	1	4.41	5.18			22.84		
		1	6.90	5.18			35.72		
		1	4.84	2.88			13.94		
		1	2.05	2.88			5.9		
		2	2.05	2.00			8.2		
	span 5-6	1	4.41	5.20			22.93		
		1	13.79	5.25			72.4		
	span 6-7	1	4.41	5.20			22.93		
		1	13.79	5.25			72.4		
	span 7-8	1	5.45	4.41			24.03		
		1	13.79	5.40			74.47		
	span 8-9	1	18.17	5.75			104.48		
	Landings	9	3.00	1.50			40.5		
	Stair tower	2	3.60	4.80			34.56		
	Lift Tower	1	2.75	3.50			9.63		
							1371.250	m ²	
	Say		1371.250	m ²	@	582.48	/Sqm		798725.70
1.11	5.9.19 Centering and shuttering including strutting, etc. and removal of form for: Weather shade, Chajjas, corbels etc., including edges								
	shades	4	33.1	0.6			79.44		
		5	17.47	0.6			52.41		
							131.850	m ²	
	Say		131.850	m ²	@	719.65	/Sqm		94885.85
1.12	5.9.16.1 Centering and shuttering including strutting, etc. and removal of form for: Edges of slabs and breaks in floors and walls Under 20 cm wide								
	Edges	6	31.90				191.400	m ²	
		4	20.05				80.200		
							271.600	m ²	
	Say		271.600	m ²	@	168.55	/Sqm		45778.18

1.13

5.33.1
Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less

PB Grid 1	1	7.67	0.250	0.450	0.86	
Grid 2	1	19.47	0.250	0.450	2.19	
	-4	0.60	0.250	0.450	-0.27	
Grid 3	1	19.47	0.250	0.450	2.19	
	-3	0.60	0.250	0.450	-0.2	
	-2	0.45	0.250	0.450	-0.1	
Grid 4	1	4.60	0.250	0.450	0.52	
Grid 5	1	19.47	0.250	0.450	2.19	
	-4	0.60	0.250	0.450	-0.27	
	-1	0.45	0.250	0.450	-0.05	
Grid 6-8	3	19.47	0.250	0.450	6.57	
	-6	0.70	0.250	0.450	-0.47	
	-3	0.60	0.250	0.450	-0.2	
	-3	0.30	0.250	0.450	-0.1	
Grid 9	1	19.47	0.250	0.450	2.19	
	-3	0.60	0.250	0.450	-0.2	
	-1	0.45	0.250	0.450	-0.05	
B/w grid ED	6	4.43	0.250	0.450	2.99	
	6	1.55	0.250	0.450	1.05	
	1	1.60	0.250	0.450	0.18	
	1	1.19	0.250	0.450	0.13	
Longer direction Varandha side	1	31.90	0.250	0.450	3.59	
	-8	0.30	0.250	0.450	-0.27	
Grid A	1	31.90	0.250	0.450	3.59	
	-5	0.30	0.250	0.450	-0.17	
	-3	0.50	0.250	0.450	-0.17	
B/w grid BC	1	5.15	0.250	0.450	0.58	
	-1	0.30	0.250	0.450	-0.03	
Grid C	1	14.81	0.250	0.450	1.67	
	-5	0.30	0.250	0.450	-0.17	
B/w grid CD	1	31.90	0.250	0.450	3.59	
	1	23.45	0.250	0.450	2.64	
	1	5.15	0.250	0.450	0.58	
	-8	0.30	0.250	0.450	-0.27	
	-3	0.50	0.250	0.450	-0.17	
Grid D	1	5.34	0.250	0.450	0.6	
Grid E	1	31.90	0.250	0.450	3.59	
	-4	0.30	0.250	0.450	-0.14	
	-3	0.45	0.250	0.450	-0.15	
2P70	10	2.75	1.000	0.900	24.75	m ³
2P50	7	2.05	0.800	0.750	8.61	
1P70	17	1.00	1.000	0.700	11.9	
Lift base	1	3.50	2.550	0.200	1.79	
Lift wall	2	2.04	0.200	2.000	1.63	
	2	2.69	0.200	2.000	2.15	
					88.870	m ³
Say		88.870	m ³	@	8891.66	/Cum
						790201.82

1.14	5.33.2 Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9013 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work above plinth level upto floor V level		
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	GF	6.00	0.70	0.500	3.1	6.51	
		19	0.60	0.300	3.1	10.6	
		9	0.45	0.300	3.1	3.77	
	FF	6	0.70	0.500	3.1	6.51	
		13	0.60	0.300	3.1	7.25	
		9	0.45	0.300	3.1	3.77	
	SF	6	0.70	0.500	3.1	6.51	
		13	0.60	0.300	3.1	7.25	
		9	0.45	0.300	3.1	3.77	
	TerraceFloor	7	0.60	0.300	2.1	2.65	
		4	0.45	0.300	2.1	1.13	
						59.720	m ³
	Say	59.720	m ³	@	9999.99	/Cum	597199.40

1.15	5.3 Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 150 landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).		
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	GF roof beam Grid 1	1	7.67	0.300	0.600	1.38	
	B/w Grid 1 & 2	6	2.49	0.250	0.450	1.68	
	Grid 2	1	3.21	0.250	0.500	0.4	
		1	7.67	0.300	0.600	1.38	
		1	4.19	0.25	0.5	0.52	
		1	2.10	0.250	0.4	0.21	
	Grid 3	1	3.76	0.25	0.5	0.47	
		1	7.12	0.300	0.600	1.28	
		1	3.89	0.25	0.5	0.49	
		1	2.10	0.250	0.4	0.21	
	Grid 4	1	4.04	0.25	0.5	0.51	
		1	2.10	0.250	0.4	0.21	
	Grid 5	1	3.91	0.25	0.5	0.49	
		1	10.71	0.300	0.600	1.93	
		1	2.10	0.250	0.4	0.21	
	B/w Grid 5 & 6	1	4.41	0.25	0.5	0.55	
	Grid 6-8	3	3.96	0.25	0.5	1.49	
		2	4.61	0.25	0.5	1.15	
		3	11.61	0.300	0.600	6.27	
		3	2.10	0.250	0.4	0.63	
	Grid 9	1	4.21	0.25	0.5	0.53	
		1	11.01	0.300	0.600	1.98	
		1	2.10	0.250	0.4	0.21	
	Longer direction Varandha side	1	31.90	0.250	0.4	3.19	
		-8	0.25	0.250	0.4	-0.2	
	Grid A	1	31.90	0.300	0.600	5.74	
		-5	0.30	0.300	0.600	-0.27	
		-3	0.50	0.300	0.600	-0.27	
	B/w grid BC	1	23.25	0.25	0.5	2.91	
		1	2.00	0.25	0.5	0.25	
		-5	0.30	0.25	0.5	-0.19	
	Grid C	1	5.34	0.300	0.600	0.96	
		1	8.95	0.25	0.5	1.12	

		-3	0.3	0.25	0.5	-0.11		
	B/w grid CD	1	28.68	0.25	0.5	3.59		
		1	28.68	0.300	0.600	5.16		
		1	2.92	0.25	0.5	0.37		
		-9	0.30	0.25	0.5	-0.34		
		-3	0.50	0.25	0.5	-0.19		
	Grid D	1	5.34	0.300	0.600	0.96		
	Grid E	1	31.90	0.25	0.5	3.99		
		-4	0.30	0.250	0.500	-0.15		
		-3	0.45	0.250	0.500	-0.17		
	Balcony floor beam Grid 2	1	3.21	0.25	0.5	0.4		
		1	7.67	0.300	0.600	1.38		
		1	4.19	0.25	0.5	0.52		
		1	2.20	0.250	0.4	0.22		
	Grid 3	1	3.76	0.25	0.5	0.47		
		1	7.12	0.300	0.600	1.28		
		1	3.89	0.25	0.5	0.49		
		1	2.20	0.250	0.4	0.22		
	Grid 4	1	4.04	0.25	0.5	0.51		
		1	2.20	0.250	0.4	0.22		
	Grid 5	1	3.91	0.25	0.5	0.49		
		1	11.31	0.300	0.600	2.04		
		1	2.20	0.300	0.4	0.26		
	Grid 6-8	3	3.96	0.25	0.5	1.49		
		1	4.11	0.25	0.3	0.31		
		3	2.20	0.250	0.4	0.66		
	Grid 9	1	4.21	0.25	0.5	0.53		
		1	11.01	0.300	0.600	1.98		
		1	2.20	0.250	0.4	0.22		
	Longer direction Varandha side	1	31.90	0.250	0.4	3.19		
		-8	0.25	0.250	0.400	-0.2		
	Grid A	1	31.90	0.300	0.600	5.74		
		-5	0.30	0.300	0.600	-0.27		
		-3	0.50	0.300	0.600	-0.27		
	B/w grid BC	1	2.00	0.25	0.5	0.25		
	Grid C	1	2.92	0.25	0.5	0.37		
	B/w grid CD slope beam	3	5.43	0.300	0.600	2.93		
		1	2.92	0.25	0.5	0.37		
		1	17.25	0.300	0.600	3.11		
		-3	0.50	0.300	0.600	-0.27		
		-1	0.30	0.300	0.600	-0.05		
	Grid E	1	31.90	0.25	0.5	3.99		
		-4	0.30	0.250	0.500	-0.15		
		-3	0.45	0.250	0.500	-0.17		
	SF roof beam Grid 2	1	3.21	0.25	0.5	0.4		
		1	7.67	0.300	0.600	1.38		
		1	4.19	0.25	0.5	0.52		
		1	2.30	0.250	0.4	0.23		
	Grid 3	1	3.76	0.25	0.5	0.47		
		1	7.12	0.300	0.600	1.28		
		1	3.89	0.25	0.5	0.49		
		1	2.30	0.250	0.4	0.23		
	Grid 4	1	4.04	0.25	0.5	0.51		
		1	2.30	0.250	0.4	0.23		
	Grid 5	1	3.91	0.25	0.5	0.49		
		1	10.71	0.300	0.600	1.93		
		1	2.30	0.300	0.4	0.28		
	Grid 6-8	3	3.96	0.25	0.5	1.49		
		1	4.61	0.250	0.3	0.35		
		3	11.61	0.400	0.9	12.54		
		3	2.30	0.250	0.4	0.69		
	Grid 9	1	4.21	0.25	0.5	0.53		
		1	11.01	0.300	0.6	1.98		

		1	2.30	0.300	0.4	0.28		
	Longer direction Varandha side	1	31.90	0.250	0.4	3.19		
		-8	0.25	0.250	0.400	-0.2		
	Grid A	1	31.90	0.300	0.6	5.74		
		-5	0.30	0.300	0.6	-0.27		
		-3	0.50	0.300	0.6	-0.27		
	B/w grid BC	1	23.25	0.25	0.5	2.91		
		1	2.00	0.25	0.5	0.25		
		-5	0.30	0.25	0.5	-0.19		
	Grid C	1	8.95	0.25	0.5	1.12		
		-3	0.3	0.25	0.5	-0.11		
	B/w grid CD	1	28.68	0.25	0.5	3.59		
		1	22.95	0.300	0.6	4.13		
		1	5.43	0.250	0.3	0.41		
		1	2.92	0.25	0.5	0.37		
		-9	0.30	0.25	0.5	-0.34		
		-3	0.50	0.25	0.5	-0.19		
	Grid E	1	31.90	0.25	0.5	3.99		
		-4	0.30	0.25	0.5	-0.15		
		-3	0.45	0.25	0.5	-0.17		
	Stair Tower	4	2.97	0.25	0.4	1.19		
		1	3.66	0.25	0.5	0.46		
	Stair	1	3.65	0.25	0.4	0.37		
		2	5.09	0.25	0.4	1.02		
		1	4.11	0.25	0.4	0.41		
		1	4.11	0.25	0.3	0.31		
		2	2.97	0.25	0.4	0.59		
	lift	2	2.05	0.25	0.4	0.41		
		1	2.50	0.25	0.4	0.25		
	Lintels	6	5.82	0.15	0.15	0.79		
		6	5.35	0.15	0.15	0.72		
		6	5.28	0.15	0.15	0.71		
		6	5.12	0.15	0.15	0.69		
		6	5.54	0.15	0.15	0.75		
		6	2.93	0.15	0.15	0.4		
		6	4.56	0.15	0.15	0.62		
		5	5.64	0.15	0.15	0.63		
		5	5.52	0.15	0.15	0.62		
		5	2.2	0.15	0.15	0.25		
	Inside partition	10	4.56	0.15	0.15	1.03		
		6	5.64	0.15	0.15	0.76		
		8	5.52	0.15	0.15	0.99		
		10	2.2	0.15	0.15	0.5		
	Gallery steps	3	12.31	1	0.15	5.54		
		1	9.81	1	0.15	1.47		
	Porch	9	2.56	1.88	0.120	5.2		
	GF span 2-3	1	7.12	2.97	0.120	2.54		
		1	1.85	2.97	0.120	0.66		
	Span 3-5	1	4.41	5.18	0.120	2.74		
		1	6.90	5.18	0.120	4.29		
		1	4.84	2.88	0.120	1.67		
		1	1.85	2.88	0.120	0.64		
		1	1.97	2.00	0.120	0.47		
	span 5-6	1	4.41	5.20	0.120	2.75		
		1	13.59	5.25	0.120	8.56		
	span 6-7	1	4.41	5.20	0.120	2.75		
		1	13.59	5.25	0.120	8.56		
	span 7-8	1	2.45	4.39	0.120	1.29		
		1	13.59	5.40	0.120	8.81		
	span 8-9	1	17.97	5.75	0.120	12.4		
	Balcony floor span 2-3	1	7.12	2.97	0.120	2.54		
		1	1.95	2.97	0.120	0.69		

					0.120	2.74		
					0.150	5.36		
	Span 3-5	1	4.41	5.18	0.150	2.09		
	Gallery portion	1	4.84	2.88	0.150	0.84		
		1	1.95	2.88	0.150	1.17		
		2	1.95	2.00	0.150	1.84		
	Additional projection	1	12.24	1.00	0.120	2.88		
	span 5-6	1	4.41	5.45	0.120	1.28		
		1	1.95	5.45	0.120	2.8		
	span 6-7	1	4.41	5.30	0.120	1.24		
		1	1.95	5.30	0.120	1.29		
	span 7-8	1	2.45	4.39	0.120	1.28		
		1	1.95	5.45	0.120	3.03		
	span 8-9	1	4.39	5.75	0.120	1.35		
		1	5.75	1.95	0.120	2.54		
	SF roof span 2-3	1	7.12	2.97	0.120	0.73		
		1	2.05	2.97	0.120	2.74		
	Span 3-5	1	4.41	5.18	0.120	4.29		
		1	6.90	5.18	0.120	1.67		
		1	4.84	2.88	0.120	0.71		
		1	2.05	2.88	0.120	0.98		
		2	2.05	2.00	0.120	2.75		
	span 5-6	1	4.41	5.20	0.120	8.69		
		1	13.79	5.25	0.120	2.75		
	span 6-7	1	4.41	5.20	0.120	8.69		
		1	13.79	5.25	0.120	2.88		
	span 7-8	1	5.45	4.41	0.120	8.94		
		1	13.79	5.40	0.120	12.54		
	span 8-9	1	18.17	5.75	0.120	4.86		
	Landings	9	3.00	1.50	0.120	4.15		
	Stair tower	2	3.60	4.80	0.120	1.16		
	Lift Tower	1	2.75	3.50	0.120	1.15		
	Stair flight GF	2	3.3	1.45	0.120	1.29		
		2	3.7	1.45	0.120	0.57		
		1	3.15	1.5	0.120	0.67		
		1	3.7	1.5	0.120	1.15		
		2	3.3	1.45	0.120	1.29		
	FF	2	3.7	1.45	0.120	0.57		
		1	3.15	1.5	0.120	0.57		
		1	3.15	1.5	0.120	1.15		
		2	3.3	1.45	0.120	1.29		
	SF	2	3.7	1.45	0.120	0.57		
		1	3.15	1.5	0.120	0.57		
		1	3.15	1.5	0.120	5.96		
		4	33.1	0.6	0.075	3.93		
	shades	5	17.47	0.6	0.075		341.930	m ³
								3485678.87
		Say		341.930	m ³	@	10194.13	/Cum
1.16	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more							
							7438.9	
	for piles	1	106.270			70.000	3175.2	
	Pile cape	1	45.36			70	3804	
		1	38.04			100	13138.4	
	Plinth beam	1	59.72			220	20402	
	Columns	1	204.02			100	20668.5	
	Slab, Lintel, shade & stair	1	137.79			150	4048.48	
	beam	1	50.606			80	72675.480	
	Retaining wall & Lift wall							5673774.72
		Say		72675.480	Kg	@	78.07	/Kg

[illegible]

							0.000	Kg	
	Say	0	Kg	@	530.34	/Kg			0.00
1.23	21.3.2 Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in - Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5.50 mm thickness						0.000	m ²	
							0.000	m ²	
	Say	0	m ²	@	1384.75	/Sqm			0.00
1.24	21.2.1 Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS : 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectura						0.000	m ²	
		0					0.000	m ²	
							0.000	m ²	
	Say	0.000	m ²	@	1139.78	/Sqm			0.00
1.25	9.48.2 Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to openings/ wooden frames with rawl plugs screws etc						0.000	Kg	
		0					0.000	Kg	
	Say	0	Kg	@	155.1	/Kg			0.00
1.26	50.9.1.1 Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately), using good quality Anjili wood /jack wood						0.000	m ³	
		0					0.000	m ³	
	Say	0	m ³	@	101931.42	/Cum			0.00
1.27	50.9.3.1 Providing and fixing paneled or paneled and glazed shutters for doors, windows and clerestory windows, 30 mm thick shutters including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding paneling which will be paid for separately, all complete as per direction Of Engineer in- charge. using Anjili/ Jack wood						0.000	m ²	
		0					0.000	m ²	
	Say	0	m ²	@	2613.08	/Sqm			0.00
1.28	50.9.4.1 Providing and fixing paneling or paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured) paneling for paneled or paneled and glazed shutters 25 mm to 40 mm thick using good quality Anjili/ Jack wood						0	m ²	
		0					0.000		
	Say	0.000	m ²	@	2412.05	/Sqm			0.00
1.29	9.53 Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)								

[illegible]

		0				0.000	E	
						0.000	E	
	Say	0	E	@	163.58	/Each		0.00

1.30	13.16.1	6 mm cement plaster of mix:1:3 (1 cement : 3 fine sand)							641.6	
	Roof slab GF	1	32.00	20.05					39.15	49.12
	Porch	1	32.00	20.05					641.6	
	FF	1	32.00	20.05					76.8	
	SF	4	32	0.6					72.18	
	shades	6	20.05	0.6					-269.64	
		-1	22.47	12.00					-63	
	Deduction FF	-6.00	3.50	3.00					-10	1780.26
	stair portion	-2	2.50	2.00					1770.290	m ²
	Lift opening								1770.29	m ²
	Say		1770.29	m ²	@	198.34	/Sqm		351119.32	3,53,096.77

1.31	13.4.1	12 mm cement plaster of mix:1:4 (1 cement : 4 coarse sand)							2.85	199.04
	Block work Out side walls	12	5.82						2.85	182.97
		12	5.35						2.85	180.58
		12	5.28						2.85	175.1
		12	5.12						2.85	189.47
		12	5.54						2.85	100.21
		12	2.93						2.85	155.95
		12	4.56						2.85	160.74
		10	5.64						2.85	157.32
		10	5.52						2.85	62.7
		10	2.2						2.85	259.92
		20	4.56						2.85	192.89
	Inside partition	12	5.64						2.85	251.71
		16	5.52						2.85	125.4
		20	2.2						0.9	58.86
	Parapet	4	16.35						0.9	21.6
		2	12						1.4	-65.52
	Deduction W3	-39	1.2						2.1	-18.9
	W2	-6	1.5						2.1	-15.12
	W1	-6	1.2						0.5	-1.8
	V	-3	0.6						2.1	-12.6
	D1	-3	2						2.1	-15.75
	D2	-5	1.5						2.1	-15.12
	D3	-9	0.8							
	Say		2329.65	m ²	@	249.45	/Sqm		581131.19	

1.32	13.43.1	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer							4109	
		-0							0.000	m ²
									0.000	m ²
	Say		4109.91	m ²	@	50.97	/Sqm		2,09,482.11	0.00

1.33	13.60.1	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:Two or more coats on new work							0.000	m ²
		0								m ²
	Say		0.000	m ²	@	116.48	/Sqm		0.00	

[illegible]

2.1	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil		0					0.000	m ³	
								0.000	m ³	
	Say		0.000	m ³	@	173.72	/Cum			0.00
2.2	4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)		0					0.000	m ³	
								0.000	m ³	
	Say		0.000	m ³	@	6176.71	/Cum			0.00
2.3	5.1.2 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1.5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size		0					0.000	m ³	
								0.000	m ³	
	Say		0.000	m ³	@	8572.83	/Cum			0.00
2.4	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform		0					0.000	m ²	
								0.000	m ²	
	Say		0	m ²	@	582.48	/Sqm			0.00
2.5	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers		0					0.000	m ²	
								0.000	m ²	
	Say		0	m ²	@	472.96	/Sqm			0.00
2.6	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more		0					0.000	Kg	
								0.000	Kg	
	Say		0.000	Kg	@	78.07	/Kg			0.00
2.7	13.3.1 20 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)		0					0.000	m ²	
								0.000	m ²	
	Say		0.000	m ²	@	331.24	/Sqm			0.00
2.8	od1021415/2020_2021 Dry rubble masonry for soak pit (modified 60.7.1)		0					0.000	m ³	
								0.000	m ³	
	Say		0	m ³	@	2441.94	/Cum			0.00

	7.1.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with Cement mortar 1:6 (1 cement : 6 coarse sand)							0.000	m ³	
2.9			0						0.000	m ³	
									0.000	m ³	
		Say	0	m ³	@	5470.1	/Cum				0.00
		3 Appendix -c Plumbing and sanitay									
3.1	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:W.C. pan with ISI marked white solid plastic seat and lid							0.000	E	
			0						0.000	E	
									0.000	E	
		Say	0.000	E	@	4715.41	/Each				0.00
3.2	17.7.1	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass							0.000	E	
			0						0.000	E	
									0.000	E	
		Say	0.000	E	@	3170.39	/Each				0.00
3.3	17.70.1	Providing and fixing PTMT Bottle Trap for Wash basin and sink.Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the center of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms							0.000	E	
			0						0.000	E	
									0.000	E	
		Say	0.000	E	@	405.45	/Each				0.00
3.4	17.32.2	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm							0.000	E	
			0						0.000	E	
									0.000	E	
		Say	0	E	@	1038.34	/Each				0.00
3.5	50.18.8.9.1	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chased and making good the wall etc.110 mm pipe 6kgf/cm2							0.000	m	
			0						0.000	m	
									0.000	m	
		Say	0	m	@	590.94	/m				0.00
3.6	50.18.8.7.1	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-							0.000	m	
			0						0.000	m	

5.1	od1252054/2021_2022 Supplying and fixing granite name board of 75x60 cm size installed in appropriate place visible to public made of brick wall with granite plaque should be inserted and engraving letters etc complete as per direction of							
		0					0.000	E
							0.000	E
	Say	0	E	@	4976.16	/Each		0.00
E1	4.1.3 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20 mm nominal size)							
	RW,portion-1-15.85m	1	15.85	0.200		0.900	2.853	
		1	15.85	0.200		0.800	2.536	
		1	15.85	0.600		0.200	1.902	
	RW,portion-2-55.90m	1	55.90	0.200		0.850	9.503	
		1	55.90	0.200		0.800	8.944	
		1	55.90	0.250		0.200	2.795	
	RW,portion-3 - 29.20	1	29.20	0.200		0.750	4.380	
		1	29.20	0.200		0.650	3.796	
		1	29.20	0.400		0.200	2.336	
	Slab-1	1	10.10	2.200		0.200	4.444	
	Slab-2	1	2.40	2.800		0.200	1.344	
	Beam	1	4.50	0.300		0.150	0.203	
					7561.295	45.036	m ³	3,40,530.48
	Say	45.036	m ³	@	7561.32	/Cum		340531.61
E2	50.2.26.1 Filling with contractor own earth (excluding rock) in open areas in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m as per direction of site Engineer-in-charge.							
			1	55.90	29.20	1.20	1958.736	
	As Per LFB No.313/19-20 dated 11/6/19	1	2365.85				2365.849	m ³
	As per item No.1.17 plinth filling [207.537-28.04]						187.497	m ³
							2123.509	m ³
		2140.233	2123.509	m ³	@	223.1	2140.233	4,77,485.98
							/Cum	473754.86
EX-3	5.11.1 Extra additional height in centering, shuttering where ever required with adequate bracing, propping etc. including cost of de-shuttering and decentering at all levels, over a height of 3.5m, for every additional height of 1 metre or part thereof (Plan area to be measured).Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)							
	Beam along grid 6,7,8	3	12.21			1.96	71.7948	
	Longer direction	2	22.95			1.01	46.359	
	slab	1	22.95			13.32	305.694	
		1	4.42			4.42	19.5364	
							443.3842	
						236.536		1,04,876.33
			443.3842	m ³	@	338.39	cum	150036.8
E4	Solid masonry using pre cast solid blocks (factory made) of size 30x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level with thickness 15cm in : CM 1:6 (1 cement : 6 coarse sand) etc complete							
	Block work Out side walls	6	5.82	0.15		2.85	14.93	
		6	5.35	0.15		2.85	13.72	
		6	5.28	0.15		2.85	13.54	
		6	5.12	0.15		2.85	13.13	
		6	5.54	0.15		2.85	14.21	
		6	2.93	0.15		2.85	7.52	
		6	4.56	0.15		2.85	11.7	
		5	5.64	0.15		2.85	12.06	
		5	5.52	0.15		2.85	11.8	
		5	2.2	0.15		2.85	4.7	

Inside partition	10	4.56	0.15	2.85	19.49	
	6	5.64	0.15	2.85	14.47	
	8	5.52	0.15	2.85	18.88	
	10	2.2	0.15	2.85	9.41	
Parapet	2	16.35	0.15	0.9	4.41	
	1	12	0.15	0.9	1.62	
Stair	18	4.5	0.15	0.9	10.94	
front step to stage	2	1.5	0.15	0.8	0.36	
show walls	26	0.8	0.15	7	21.84	
Out side long steps	1	20	0.3	0.3	1.8	
Deduction W3	-39	1.2	0.15	1.4	-9.83	
W2	-6	1.5	0.15	2.1	-2.84	
W1	-6	1.2	0.15	2.1	-2.27	
V	-6	0.6	0.15	0.5	-0.27	
D1	-3	2	0.15	2.1	-1.89	
D2	-5	1.5	0.15	2.1	-2.36	
D3	-9	0.8	0.15	2.1	-2.27	
					0	
					198.8	
				5881.34		11,69,210.39
	198.8	m3	@	6984.82	cum	1388582.2
				1,75,93,689.77		17676871.02
				22,06,310.23		2121224.522
				GST		
				LS		1904.457
				Grand Total		19800000/-

Assistant Executive Engineer
LSGD (LID & EW) Subdivision
Block Panchayath, Perumkadavila
PIN 695124

Assistant Engineer
LSGD (LID & EW) Subdivision
Block Panchayath, Perumkadavila
PIN 695124.

EXECUTIVE ENGINEER
Local Self Government Department
Thiruvananthapuram, District Panchayath

Estimate revised for an amount of Rs. 1,98,00,000/-
[Rupees One Crore Ninety Eight Lakhs] as per MHA's
letter dated: 6/5/2024. Revised TS No. 25378 C12/
2021-2022 dated: 8/5/2024.



SUPERINTENDING ENGINEER
Local Self Government Department
South Circle, Thiruvananthapuram