

Bid Number: RCS/589/2022-Carehome

Date :17-08-2023

NOTIFICATION INVITING TENDER (NIT)

Accredited agencies (as per G.O(P)No.104/2022/Fin. Dated- 02/09/2022) which are having capabilities to **Execute Works Directly** using their own in house infrastructure facilities, man power and or cost effective techniques etc. as stated in para 3.2 of G.O(P)No.67/2021/Fin. Dated 28/04/2021 are requested to submit their competitive offer on Centage Charges (in percentage) excluding applicable GST as **Non Project Management Consultant (Non-PMC)** for below mentioned work for The Registrar of Co-operative Societies, Department of Co-operation. This offer shall be addressed and submitted to “The Registrar of Co-operative Societies, Office of The Registrar of Co-operative Societies, Jawahar Sahakarana Bhavan, DPI Jn., Thycaud PO, Thiruvananthapuram-695014” on or before 07-09-2023 by 4.00 pm in a sealed cover

Details of works: Execution of civil works(Type-A &Type-B), 3 DG and Street Light Foundation, Precast ferrocement Septic tanks and Soak Pits, Overhead Tank, Rain water Harvesting Tank, Borewell with pump, Electrical works, PHE works(Type-A &Type-B), FPS works, Interior works and allied works for constructing Collective Dwellings (Flat) at Panniyur village, Thalipparambu Taluk in Kannur District under Care Home Project. The work has to be executed strictly confirming to the relevent standards and as per G.O(P)No.67/2021/Fin. Dated 28/04/2021.

The Project Cost is Rs. 3,40,00,000/- (Including GST). Time of completion of work: 6 months from the date of issue of work order.

Further information/ clarification in this regard can be had from Shri. T.Ayyappan Nair, Deputy Registrar(Administration), during office hours (Mob-9447475480)

Department of Co-Operation reserves the right to accept or reject any or all offers in full/part without assigning any reasons whatsoever

Name of Work	Construction of Collective Dwellings and Additional facilities under Care Home Project
Location	Panniyur village, Thalipparambu Taluk in Kannur District

Sd/-

The Registrar of Co-operative Societies
Department of Co-operation

Please quote in the format given below

Name of Work	
Location	
Centage Percentage (Excluding GST)	
Name & Address of the Accredited Agency	
Name, Designation & Contact of Authorized Person	

Place :

Date :

Signature with Seal

PROJECT REPORT

CONSTRUCTION OF CARE HOME AT KANNUR

CONSTRUCTION OF CARE HOME AT KANNUR

ESTIMATE REPORT

Amount: ₹3,40,00,000/-

The Life Mission is a housing scheme, to provide shelter to land less and homeless people in Kerala. The target is to build 4.3 lakh homes in five years. Under this programme, housing complexes will be build with all modern amenities and provisions will be made for the beneficiaries, to pursue their livelihoods.

Location Map:



About the Project:

The Proposal is for two nos of Type A & 1 nos of Type B G+1 load bearing structure at Kannur. The proposed typical structures are a G+1 storeyed load bearing structure resting on Dry rubble foundation. Soil test was conducted (2 Bore Holes were taken) for the site on (20th October 2020 to 24th October 2020), based on which foundation was recommended.

Type A unit - The Ground floor of the dwelling unit has provisions for four identical housing unit, a common stair case, steps & ramp. Each housing units has provision for a Living cum dining, a kitchen, two bed rooms and a common toilet. The first floor of the dwelling unit has provisions for four identical housing unit as similar as ground floor, a

common stair & common landing. The terrace floor of this dwelling unit has provision for a stair headroom and a open terrace with parapet wall.

Type B unit - The Ground floor of the dwelling unit has provisions for Play school, Pantry, Recreation room, Disabled toilet, a common stair case, steps & ramp. The First floor of the dwelling unit has provisions for two identical housing unit. Each housing units has provision for a Living cum dining, a kitchen, two bed rooms and a common toilet. The terrace floor of this dwelling unit has provision for a stair headroom and a open terrace with parapet wall.

An L.S. amount has been considered for two precast ferro cement Septic tank & Soak Pit having 22400 Litre Capacity, a 56900 Litre Capacity respectively, a rain water harvesting tank having 13400 Litre Capacity and two overhead tank (Steel) having 5000 Litre capacity each has been considered. A sintex tank having capacity 500 litre has been considered for each individual houses. Provision for a borewell also been considered in this proposal.

The detailed estimate has been considered for Electrical works, PHE works and interior works in this proposal.

Floor Plan Area Table (Type A building - 2 nos):

Floor	Area (m²)	Area (ft²)
Ground Floor	210.70	2267.97
First Floor	210.70	2267.97
Terrace Floor	18.30	196.98
Total	439.70	4732.93

Floor Plan Area Table (Type B building - 1 nos):

Floor	Area (m²)	Area (ft²)
Ground Floor	114.40	1231.40
First Floor	111.39	1199.00
Terrace Floor	18.30	196.98
Total	244.09	2627.38

The various provisions given in the estimate are as follows:

1. **Structure** – Load bearing structure resting on Dry rubble foundation. Foundation for DG in laterite masonry and foundation of street light poles(5nos) also considered.
2. **Super Structure** – Laterite Masonry (20cm thick, 10cm thick) up to plinth and above plinth , Solid block masonry (10cm thick) above plinth in CM 1:6 in each building.
3. **Damp Proof Course (DPC)** - DPC has been considered.
4. **Joinery Details** – Aluminium windows with MS grills for windows and ventilators, PVC doors are given for toilets, pincoda wooden doors for main entry door of each housing unit, Moulded paneled door for bed rooms and MS sheet door are provided at terrace in the building. All the Main frame of doors and windows other than pincoda wooden door has been considered as concrete frames.
5. **Staircase**- RCC staircase inside the building.
6. **Railings**- Combination of MS and GI handrails for the staircases, passages and ramps.
7. **Plastering** – Plastering of 12mm thick with CM 1:4 for walls and 9 mm thick with CM 1:3 for ceiling.
8. **Waterproofing** – Waterproofing treatment is provided for all sunken portions of toilets only.
9. **Flooring** –Vitrified flooring for common passage and steps. Remaining all other rooms and toilets with Ceramic tiles. Tactile tile flooring for ramp has been considered.
10. **Overhead Tank** - A sintex tank having capacity at 500 Litre has been considered for all the individual houses.Provision for overhead fire tank (Steel tank) has been considered.
11. **Septic Tank & Soak Pit** - Lump sum amount has been considered for precast ferro cement septic tank having the capacities 22400 Litre & 56900 Litre.
12. **Rain Water Harvesting Tank** - L.S amount for Rain water harvesting tank of 13400 Litre Capacity has been considered.
13. **Landscaping Works & Ground Development** - Not been considered.
14. **Painting** – Painting with plastic emulsion paint for all external walls and plastic emulsion paint for interior walls, painting with synthetic enamel paint for MS grill work and Melamine polishing for pincoda wooden doors.
15. **Electrical Works** –The electrical work includes electrical wiring, DB fixing, cable laying and terminations, earthing, metering panels, fixing of light fixtures and fans etc. A 20kVA DG works are also encompassed in the estimate.Our scope of work

starts from the supply and installation of metering panels to which KSEB supply is to be taken. We have proposed separate metering panels for the proposed three blocks, from which supply is fed to the apartments. The metering panels for the first and second block feeds the light and power loads in the apartments of respective blocks. From the metering panel proposed in the third block, the supply is fed to the two apartments in the first floor and to the common panel. Common panel distribute supply to the Fire panel, feeder provision for plumbing load, Common DB meant for ground floor recreation area, play school and common area loads. The DG is designed for meeting the essential load demand of common panel only.

16. Public Health Engineering (PHE) Works –The Project Consist of Sanitary fixtures and Fittings of Water closets European lower level flushing Cistern with health faucet and Indian Orissa pattern type. Considering the Project of wall hung Washbasin with necessary CP Fittings. Standard accessories of PTMT towel rail in each toilet are considered. Kitchen and Pantries are providing Sink of single bowl without drain board and long-body bib cock. All the sanitary fixtures and Cp fittings are considering Parryware/Jaquar /Equivalent. The drainage system considered in a basic 2-pipe system in which All waste and soil appliances shall be Provided with traps. All soil, waste ,Vent Pipes and fittings are of SWR /uPVC pipes Confirming as per IS13592 / 4985 and its Fittings. External Buried Pipes are of uPVC 6Kg/sqcm of confirming IS 4985. Sanitary Drainage pipes are approved make of Finolex/Equivalent.

Rain water from terraces and other open areas shall be collected through Rain water Down take pipes of uPVC 4Kg/sqcm of confirming IS 4985. Considering Rain Water pipes of approved make of Finolex/Equivalent.

The water distribution system for the Building Through by gravity from the 500Ltrs Polyethylene overhead Water storage tank of (Sintex Make). Considering Water supply Pipes of IS 4985 10kg/Sq-cm for both concealed and exposed pipes for distribution .Provided Isolation Valves also controlling Distribution .Transfer Pump for Filling the overhead water tanks are not consider in the estimate .Water supply pipes & Valves are approved make of Finolex /Sks / Zoloto/ Equivalent.

17. Fire Protection (FPS) Works- The Fire Protection System for the project has been proposed as per the mandatory recommendations implemented by Kerala Fire & Rescue Services, in accordance with NBC, applicable IS Codes & Standards. As per revised application cum check list of Fire Safety Kerala Department the building falls

under Residential Buildings (Dormitories and Apartment Houses) – Height below 15m, The proposed FPS system includes Overhead tank of 5,000L capacity, Automatic Pumping System with electrical terrace pump, Internal Hydrant Systems, Fire Brigade Inlet, Fire Extinguishers and Safety Signage as per building demand. The design has been worked out as per the available Architectural drawings of the project.

18. Interior Works- Cement board partition with paint finish and flush door has been considered in Interior works.

19. GST - Applicable GST @18% is considered for the work part.

20. Lump sum Round-off - LS amount provided for unforeseen items if any.

21. Planning, Design & Estimation charges not considered & will be extra.

All other provisions given in the estimate are self-explanatory.

Existing Site Photos:



CPWD data with DSR 2018 and cost index 36.44% (G.O No.(P) No. 114/2021/Fin. dated 13/08/2021) for Kannur district has been adopted for the rate analysis. The total amount of estimate including lump sum provision for unforeseen items works out to **₹3,40,00,000/-** (Rupees Three Crore Forty Lakh only) for the proposal of Life Mission Project at Kannur.

CONSTRUCTION OF CARE HOME AT KANNUR

General Abstract

(Dsor year: **2018**, Cost Index Applied for this estimate is **33.9%**)

SI No	Heading Description	Amount
1	Type A - Civil Works - For 2 Housing Unit (Detailed estimate attached)	15830112.82
2	Type B - Civil Work (Detailed estimate attached)	4278891.62
3	L.S. for Precast ferroceement Septic tank and Soak Pit (22400 Litre Capacity)	336000.00
4	L.S. for Precast ferroceement Septic tank and Soak Pit (56900 Litre Capacity)	853500.00
5	L.S for Overhead Tank (5000 Litre Capacity - 2 Nos)	400000.00
6	L.S for Rain Water Harvesting Tank (13400Litre Capacity)	402000.00
7	L.S. for Borewell with pump	250000.00
8	DG and Street light Foundation (Detailed estimate attached)	39343.93
9	Electrical Works(Detailed estimate attached)	2467669.00
10	PHE Works - Type A - 2 blocks(Detailed Estimate attached)	1192560.00
11	PHE Works - Type B (Detailed Estimate attached)	262508.00
12	FPS Works(Detailed estimate attached)	911842.00
13	Interior Works (Detailed estimate attached)	1011407.00
14	Applicable GST @18% on Work Part	5082450.00
15	LS for Unforseen Items if any	681716.00
	Provision for GST payments (in %) @	0.0%
	Amount reserved for GST payments	0.00
	Total	34000000.00
	Lumpsum for round off	0.00
		TOTAL Rs 34000000.00
		Rounded Total Rs 3,40,00,000
		Rupees Three Crore Forty Lakh Only

(Cost Index Applied for this estimate is 33.9%)

CONSTRUCTION OF CARE HOME AT KANNUR - CIVIL WORKS

General Abstract

(Dsor year: **2018**, Cost Index Applied for this estimate is **33.9%**)

SI No	Heading Description	Amount
1	Type - A - Civil Woks(For 1 Housing Unit)	7915056.40
2	Type B - Civil Works	4278891.61
3	DG and Street Light Foundation	39343.93
	Provision for GST payments (in %) @	0.0%
	Amount reserved for GST payments	0.00
	Total	12233292.00
	Lumpsum for round off	0.00
		TOTAL Rs 12233292.00
		Rounded Total Rs 1,22,33,292
	Rupees One Crore Twenty Two Lakh Thirty Three Thousand Two Hundred and Ninety Two Only	

(Cost Index Applied for this estimate is 33.9%)

Other Engineering Organisations

PRICE

CONSTRUCTION OF CARE HOME AT KANNUR - CIVIL WORKS

Abstract Estimate

(Dsor year: **2018**, Cost Index Applied for this estimate is **33.9%**)

1 Type - A - Civil Woks(For 1 Housing Unit)		
1	2.28.1 Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.All kinds of soil	
Net Total Quantity		260.064 sqm
Say 260.064 sqm @ Rs 28.32 / sqm		Rs 7365.01
2	2.9.1 Excavation work 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 soils as directed, within a lead of 50 m.Ordinary rock	
Net Total Quantity		131.093 cum
Say 131.093 cum @ Rs 520.94 / cum		Rs 68291.59
3	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	
Net Total Quantity		32.777 cum
Say 32.777 cum @ Rs 293.24 / cum		Rs 9611.53
4	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)	
Net Total Quantity		15.466 cum
Say 15.466 cum @ Rs 6729.95 / cum		Rs 104085.41
5	4.3.1 Centering and shuttering including strutting, propping etc. and removal of form work for:Foundations, footings, bases for columns	
Net Total Quantity		2.344 sqm
Say 2.344 sqm @ Rs 331.13 / sqm		Rs 776.17
6	60.7.1 DRY RUBBLE MASONRY _ Dry rubble without concrete levelling course masonry with good quality blasted rubble including packing to compactness to lines and levels cost and conveyance of all materials labour charges etc. complete as per direction of Departmental officers at site	
Net Total Quantity		41.218 cum

Say 41.218 cum @ Rs 3447.98 / cum		Rs 142118.84
7	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)	
Net Total Quantity		35.990 cum
Say 35.990 cum @ Rs 7114.98 / cum		Rs 256068.13
8	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	
Net Total Quantity		5.304 cum
Say 5.304 cum @ Rs 8971.90 / cum		Rs 47586.96
9	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).	
Net Total Quantity		76.391 cum
Say 76.391 cum @ Rs 11349.63 / cum		Rs 867009.59
10	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers	
Net Total Quantity		271.644 sqm
Say 271.644 sqm @ Rs 641.72 / sqm		Rs 174319.39
11	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	
Net Total Quantity		480.623 sqm
Say 480.623 sqm @ Rs 805.61 / sqm		Rs 387194.70
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	
Net Total Quantity		248.410 metre
Say 248.410 metre @ Rs 201.39 / metre		Rs 50027.29
13	5.9.7 Centering and shuttering including strutting, etc. and removal of form for:Stairs, (excluding landings) except spiral - staircases)	

		Net Total Quantity	37.608 sqm
		Say 37.608 sqm @ Rs 723.39 / sqm	Rs 27205.25
14	5.9.19	Centering and shuttering including strutting, etc. and removal of form for:Weather shade, Chajjas, corbels etc., including edges	
		Net Total Quantity	47.768 sqm
		Say 47.768 sqm @ Rs 891.31 / sqm	Rs 42576.10
15	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	
		Net Total Quantity	7094.033 kilogram
		Say 7094.033 kilogram @ Rs 97.08 / kilogram	Rs 688688.72
16	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.	
		Net Total Quantity	98.316 cum
		Say 98.316 cum @ Rs 255.35 / cum	Rs 25104.99
17	50.2.25.1	Filling with contractor's own earth (excluding rock) in trenches, plinth, sides of foundations 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 as per direction of site Engineer-in-charge	
		Net Total Quantity	94.509 cum
		Say 94.509 cum @ Rs 519.26 / cum	Rs 49074.74
18	4.11	Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4(1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	
		Net Total Quantity	100.176 sqm
		Say 100.176 sqm @ Rs 486.93 / sqm	Rs 48778.70
19	od166455/2022_2023	Modified 4.13 Applying a coat of Inertol Poxitar Coal tar epoxy coating per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil. 	
		Net Total Quantity	100.180 sqm
		Say 100.180 sqm @ Rs 281.38 / sqm	Rs 28188.65

20	od166456/2022_2023 OD Applying Antitermite treatment on flooring using emidocloclid chemical which is ecofriendly and nil harm ful for human beings and pet animals which control the pests including all cost and labour charges etc complete 	
Net Total Quantity		190.283 sqm
Say 190.283 sqm @ Rs 127.77 / sqm		Rs 24312.46
21	50.6.7.1 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for foundation and basement including all cost of materials, labour charges etc.	
Net Total Quantity		1.350 cum
Say 1.350 cum @ Rs 7159.07 / cum		Rs 9664.74
22	50.6.7.2 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for super structure above plinth level up to floor two level including all cost of materials, labour charges etc.	
Net Total Quantity		138.764 cum
Say 138.764 cum @ Rs 7896.99 / cum		Rs 1095817.92
23	50.6.7.3 Laterate masonry with neatly dressed laterate stone of size 40x20x15 cm or nearest size in cement mortar 1:6 for superstructure above floor two level upto floor five level including all cost of materials, labour charges etc.	
Net Total Quantity		7.231 cum
Say 7.231 cum @ Rs 8877.61 / cum		Rs 64194.00
24	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	
Net Total Quantity		6.496 cum
Say 6.496 cum @ Rs 7769.76 / cum		Rs 50472.36
25	od166457/2022_2023 Modified 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 from floor two level to Level 5 for 10 cm thick wall in : CM 1:6 (1 cement : 6 coarse sand) including cost of scaffolding complete 	
Net Total Quantity		8.777 cum
Say 8.777 cum @ Rs 8750.38 / cum		Rs 76802.09
26	13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)	
Net Total Quantity		2068.654 sqm

Say 2068.654 sqm @ Rs 310.18 / sqm		Rs 641655.10
27	50.13.1 9 mm cement plastering of mix : 1:3 (1 cement : 3 fine sand) including all cost of materials, labour charges etc complete	
Net Total Quantity		543.086 sqm
Say 543.086 sqm @ Rs 287.68 / sqm		Rs 156234.98
28	10.5.1 Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.Using M.S. angels 40x40x6 mm for diagonal braces	
Net Total Quantity		2.520 sqm
Say 2.520 sqm @ Rs 5147.32 / sqm		Rs 12971.25
29	10.31 Providing and fixing angle iron frames for doors, windows and ventilators of mildsteel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall withdash fastener, including fixing of necessary butt hinges and screws and applying apriming coat of approved steel primer, all complete as per the direction ofEngineer In charge.	
Net Total Quantity		23.100 kg
Say 23.100 kg @ Rs 111.81 / kg		Rs 2582.81
30	9.62.1 Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete:300x16 mm	
Net Total Quantity		1.000 no
Say 1.000 no @ Rs 213.10 / no		Rs 213.10
31	9.63.3 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:150x10 mm	
Net Total Quantity		1.000 no
Say 1.000 no @ Rs 61.06 / no		Rs 61.06
32	9.63.1 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:250x10 mm	
Net Total Quantity		1.000 no
Say 1.000 no @ Rs 86.16 / no		Rs 86.16

33	22.5 Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg /sqm mixed with water proofing cement compound @ 0.126 kg/ sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	
Net Total Quantity		50.964 sqm
Say 50.964 sqm @ Rs 541.22 / sqm		Rs 27582.74
34	4.2.3 Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc. up to floor five level, excluding the cost of centering, shuttering and finishing:1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	
Net Total Quantity		1.118 cum
Say 1.118 cum @ Rs 9943.95 / cum		Rs 11117.34
35	od166458/2022_2023 OD Supplying and filling with cinder under , ramming consolidating and dressing complete. including all cost of materials, labour charges etc complete 	
Net Total Quantity		1.677 cum
Say 1.677 cum @ Rs 1967.17 / cum		Rs 3298.94
36	5.30 Add for plaster drip course / groove in plastered surface or moulding to R.C.C. projections.	
Net Total Quantity		51.500 metre
Say 51.500 metre @ Rs 68.42 / metre		Rs 3523.63
37	od166459/2022_2023 OD Providing water cutting to bottom edge side of slab/sunshade by 25mm wide and 15mm thick in cement mortar 1:3 including cost and conveyance of all materials, labour charges etc complete 	
Net Total Quantity		249.560 metre
Say 249.560 metre @ Rs 107.23 / metre		Rs 26760.32
38	od166460/2022_2023 Modified 50.9.1.2 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 Pincoda wood 	
Net Total Quantity		0.612 cum
Say 0.612 cum @ Rs 170864.21 / cum		Rs 104568.90

39	od166461/2022_2023 Modified 50.9.3.2 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 Pincoda wood. 	
Net Total Quantity		18.630 sqm
Say 18.630 sqm @ Rs 4194.52 / sqm		Rs 78143.91
40	od166462/2022_2023 Modified 50.9.4.2 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 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 Pincoda wood 	
Net Total Quantity		10.080 sqm
Say 10.080 sqm @ Rs 3736.33 / sqm		Rs 37662.21
41	9.7.7.1 Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured), Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick:Float glass panes4 mm thick glass pane	
Net Total Quantity		2.300 sqm
Say 2.300 sqm @ Rs 2083.68 / sqm		Rs 4792.46
42	50.9.15.4 Providing and fixing iron hooks and eyes: 150 mm	
Net Total Quantity		16.000 no
Say 16.000 no @ Rs 16.46 / no		Rs 263.36
43	9.74.3 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete:150x10 mm	
Net Total Quantity		8.000 no
Say 8.000 no @ Rs 269.27 / no		Rs 2154.16
44	9.74.4 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete:100x10 mm	
Net Total Quantity		8.000 no
Say 8.000 no @ Rs 185.59 / no		Rs 1484.72
45	9.76 Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	

		Net Total Quantity	8.000 no
		Say 8.000 no @ Rs 828.57 / no	Rs 6628.56
46	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)	
		Net Total Quantity	48.000 each
		Say 48.000 each @ Rs 208.35 / each	Rs 10000.80
47	od166463/2022_2023	OD Melamine polishing on wood work (one or more coat) for new work 	
		Net Total Quantity	55.202 sqm
		Say 55.202 sqm @ Rs 193.07 / sqm	Rs 10657.85
48	od166464/2022_2023	OD Preparation of wood surface For melamine polish:Melamine polishing on wood work with two coats after preparing base rubbing and cleaning emery paper, filling holes and finishing the surface with ceiler and melamine ceiler two coats including all cost and labour charges etc. complete 	
		Net Total Quantity	55.202 sqm
		Say 55.202 sqm @ Rs 306.00 / sqm	Rs 16891.81
49	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos. of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door fame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in Charge.	
		Net Total Quantity	40.600 metre
		Say 40.600 metre @ Rs 455.26 / metre	Rs 18483.56

50	9.120.1 Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and sized of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5mm thick, 95 mm wide PVC sheet out of which 75 mm shall be tapered in 45 degree on th inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mmx2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded /sealed to the styles & rails with 7 mm (5 mm + 2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer -in-charge, manufacture's specification & drawing.30 mm thick plain PVC door shutters	
Net Total Quantity		11.762 sqm
Say 11.762 sqm @ Rs 2816.99 / sqm		Rs 33133.44
51	5.47.1 Providing and fixing in position factory made precast RCC M-40 doors and win frames having excellent smooth finish as per IS:6523 with reinforcement of 3 Nos, 6 mm dia main bars tied with 3 mm M.S stirrups placed @ 200 mm CC nad 6 numbers high strength polymer blocks of required size for fixing hinges including providing 6 no specially designed M.S galvanised sleeves for accomodating 6 mm dia fully threaded bolts for fixing hold fast on vertical members, providing suitable arrangement for receiving sliding door bolts and tower bolt etc all complete, as per the direction of Engineer in charge. (The cost of hold fast and cc block of 1:3:6 mix is also included in the item.) The frame shall be measured in running meter correct to two places of decimal.Door frame 125 mm x 60 mm.	
Net Total Quantity		433.602 metre
Say 433.602 metre @ Rs 757.00 / metre		Rs 328236.71
52	21.1.1.3 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, Aluminnium 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 portionPolyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	
Net Total Quantity		3.591 kg
Say 3.591 kg @ Rs 540.22 / kg		Rs 1939.93

53	od166465/2022_2023 Modified 21.2.2 Providing and fixing 4 mm thick ACP sheet 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. 	
		Net Total Quantity
		1.891 sqm
		Say 1.891 sqm @ Rs 2074.25 / sqm
		Rs 3922.41
54	21.1.2.3 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)Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	
		Net Total Quantity
		343.776 kg
		Say 343.776 kg @ Rs 645.13 / kg
		Rs 221780.21
55	21.3.1 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 4.0 mm thickness	
		Net Total Quantity
		70.180 sqm
		Say 70.180 sqm @ Rs 1161.98 / sqm
		Rs 81547.76
56	9.100.1 Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:125 mm	
		Net Total Quantity
		81.000 no
		Say 81.000 no @ Rs 69.29 / no
		Rs 5612.49
57	9.48.1 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 steel windows by welding	
		Net Total Quantity
		1547.600 kg
		Say 1547.600 kg @ Rs 192.15 / kg
		Rs 297371.34
58	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.	
		Net Total Quantity
		84.935 sqm
		Say 84.935 sqm @ Rs 1744.25 / sqm
		Rs 148147.87

59	11.46.2 Providing and laying Vitrified tiles indifferent sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm	
Net Total Quantity		17.327 sqm
Say 17.327 sqm @ Rs 1796.94 / sqm		Rs 31135.58
60	16.90 Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	
Net Total Quantity		13.662 sqm
Say 13.662 sqm @ Rs 2247.85 / sqm		Rs 30710.13
61	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.	
Net Total Quantity		305.020 sqm
Say 305.020 sqm @ Rs 1077.43 / sqm		Rs 328637.70
62	8.31 Providing and fixing 1st 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 Engineerin-Charge,in skirting, risers of steps and dados, over 12 mm thick bed of cementmortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @3.3kg per sqm, including pointing in white cement mixed with pigment of matchingshade complete.	
Net Total Quantity		147.216 sqm
Say 147.216 sqm @ Rs 1197.67 / sqm		Rs 176316.19
63	od166466/2022_2023 Providing PVC Tile beading in the edges and corners of tile work including cost conveyance labour charges etc complete.	
Net Total Quantity		67.200 metre
Say 67.200 metre @ Rs 58.03 / metre		Rs 3899.62
64	10.26.1 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approves steel primer.M.S. tube	

		Net Total Quantity	349.657 kg
		Say 349.657 kg @ Rs 169.32 / kg	Rs 59203.92
65	10.26.3	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.G.I. pipes	
		Net Total Quantity	203.967 kg
		Say 203.967 kg @ Rs 183.71 / kg	Rs 37470.78
66	13.43.1	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer	
		Net Total Quantity	2638.562 sqm
		Say 2638.562 sqm @ Rs 69.76 / sqm	Rs 184066.09
67	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	
		Net Total Quantity	2638.562 sqm
		Say 2638.562 sqm @ Rs 149.50 / sqm	Rs 394465.02
68	13.62.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture .	
		Net Total Quantity	118.016 sqm
		Say 118.016 sqm @ Rs 205.94 / sqm	Rs 24304.22
2 Type B - Civil Works			
1	2.28.1	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.All kinds of soil	
		Net Total Quantity	153.255 sqm
		Say 153.255 sqm @ Rs 28.32 / sqm	Rs 4340.18
2	2.9.1	Excavation work 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 soils as directed, within a lead of 50 m.Ordinary rock	
		Net Total Quantity	54.969 cum
		Say 54.969 cum @ Rs 520.94 / cum	Rs 28635.55

3	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	
Net Total Quantity		13.744 cum
Say 13.744 cum @ Rs 293.24 / cum		Rs 4030.29
4	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)	
Net Total Quantity		15.359 cum
Say 15.359 cum @ Rs 6729.95 / cum		Rs 103365.30
5	4.3.1 Centering and shuttering including strutting, propping etc. and removal of form work for:Foundations, footings, bases for columns	
Net Total Quantity		2.473 sqm
Say 2.473 sqm @ Rs 331.13 / sqm		Rs 818.88
6	60.7.1 DRY RUBBLE MASONRY _ Dry rubble without concrete levelling course masonry with good quality blasted rubble including packing to compactness to lines and levels cost and conveyance of all materials labour charges etc. complete as per direction of Departmental officers at site	
Net Total Quantity		18.533 cum
Say 18.533 cum @ Rs 3447.98 / cum		Rs 63901.41
7	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)	
Net Total Quantity		14.852 cum
Say 14.852 cum @ Rs 7114.98 / cum		Rs 105671.68
8	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)	
Net Total Quantity		2.109 cum
Say 2.109 cum @ Rs 8971.90 / cum		Rs 18921.74

9	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, with 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).	
Net Total Quantity		43.269 cum
Say 43.269 cum @ Rs 11349.63 / cum		Rs 491087.14
10	5.9.5 Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers	
Net Total Quantity		149.624 sqm
Say 149.624 sqm @ Rs 641.72 / sqm		Rs 96016.71
11	5.9.3 Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	
Net Total Quantity		247.521 sqm
Say 247.521 sqm @ Rs 805.61 / sqm		Rs 199405.39
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	
Net Total Quantity		164.620 metre
Say 164.620 metre @ Rs 201.39 / metre		Rs 33152.82
13	5.9.7 Centering and shuttering including strutting, etc. and removal of form for: Stairs, (excluding landings) except spiral - staircases)	
Net Total Quantity		37.608 sqm
Say 37.608 sqm @ Rs 723.39 / sqm		Rs 27205.25
14	5.9.19 Centering and shuttering including strutting, etc. and removal of form for: Weather shade, Chajjas, corbels etc., including edges	
Net Total Quantity		33.474 sqm
Say 33.474 sqm @ Rs 891.31 / sqm		Rs 29835.71
15	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	
Net Total Quantity		4033.132 kilogram
Say 4033.132 kilogram @ Rs 97.08 / kilogram		Rs 391536.45

16	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.	
Net Total Quantity		41.076 cum
Say 41.076 cum @ Rs 255.35 / cum		Rs 10488.76
17	50.2.25.1 Filling with contractor's own earth (excluding rock) in trenches, plinth, sides of foundations 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 as per direction of site Engineer-in-charge	
Net Total Quantity		50.326 cum
Say 50.326 cum @ Rs 519.26 / cum		Rs 26132.28
18	4.11 Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4(1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	
Net Total Quantity		39.120 sqm
Say 39.120 sqm @ Rs 486.93 / sqm		Rs 19048.70
19	od166455/2022_2023 Modified 4.13 Applying a coat of Inertol Poxitar Coal tar epoxy coating per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil. 	
Net Total Quantity		39.120 sqm
Say 39.120 sqm @ Rs 281.38 / sqm		Rs 11007.59
20	od166456/2022_2023 OD Applying Antitermite treatment on flooring using emidoclocrid chemical which is ecofriendly and nil harm ful for human beings and pet animals which control the pests including all cost and labour charges etc complete 	
Net Total Quantity		107.755 sqm
Say 107.755 sqm @ Rs 127.77 / sqm		Rs 13767.86
21	50.6.7.1 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for foundation and basement including all cost of materials, labour charges etc.	
Net Total Quantity		0.812 cum
Say 0.812 cum @ Rs 7159.07 / cum		Rs 5813.16
22	50.6.7.2 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for super structure above plinth level up to floor two level including all cost of materials, labour charges etc.	

		Net Total Quantity	66.634 cum
		Say 66.634 cum @ Rs 7896.99 / cum	Rs 526208.03
23	50.6.7.3 Laterate masonry with neatly dressed laterate stone of size 40x20x15 cm or nearest size in cement mortar 1:6 for superstructure above floor two level upto floor five level including all cost of materials, labour charges etc.		
		Net Total Quantity	7.203 cum
		Say 7.203 cum @ Rs 8877.61 / cum	Rs 63945.42
24	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		
		Net Total Quantity	1.529 cum
		Say 1.529 cum @ Rs 7769.76 / cum	Rs 11879.96
25	od166457/2022_2023 Modified 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 from floor two level to Level 5 for 10 cm thick wall in : CM 1:6 (1 cement : 6 coarse sand) including cost of scaffolding complete		
		Net Total Quantity	5.445 cum
		Say 5.445 cum @ Rs 8750.38 / cum	Rs 47645.82
26	13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)		
		Net Total Quantity	1058.290 sqm
		Say 1058.290 sqm @ Rs 310.18 / sqm	Rs 328260.39
27	50.13.1 9 mm cement plastering of mix : 1:3 (1 cement : 3 fine sand) including all cost of materials, labour charges etc complete		
		Net Total Quantity	311.010 sqm
		Say 311.010 sqm @ Rs 287.68 / sqm	Rs 89471.36
28	22.5 Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg /sqm mixed with water proofing cement compound @ 0.126 kg/ sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.		
		Net Total Quantity	19.518 sqm

Say 19.518 sqm @ Rs 541.22 / sqm		Rs 10563.53
29	4.2.3 Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc. up to floor five level, excluding the cost of centering, shuttering and finishing:1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	
Net Total Quantity		0.544 cum
Say 0.544 cum @ Rs 9943.95 / cum		Rs 5409.51
30	od166458/2022_2023 OD Supplying and filling with cinder under , ramming consolidating and dressing complete. including all cost of materials, labour charges etc complete 	
Net Total Quantity		0.816 cum
Say 0.816 cum @ Rs 1967.17 / cum		Rs 1605.21
31	5.30 Add for plaster drip course / groove in plastered surface or moulding to R.C.C. projections.	
Net Total Quantity		34.270 metre
Say 34.270 metre @ Rs 68.42 / metre		Rs 2344.75
32	od166459/2022_2023 OD Providing water cutting to bottom edge side of slab/sunshade by 25mm wide and 15mm thick in cement mortar 1:3 including cost and conveyance of all materials, labour charges etc complete 	
Net Total Quantity		165.360 metre
Say 165.360 metre @ Rs 107.23 / metre		Rs 17731.55
33	od166460/2022_2023 Modified 50.9.1.2 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 Pincoda wood 	
Net Total Quantity		0.384 cum
Say 0.384 cum @ Rs 170864.21 / cum		Rs 65611.86
34	od166461/2022_2023 Modified 50.9.3.2 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 Pincoda wood. 	
Net Total Quantity		11.037 sqm
Say 11.037 sqm @ Rs 4194.52 / sqm		Rs 46294.92

35	od166462/2022_2023 Modified 50.9.4.2 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 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 Pincoda wood 	
Net Total Quantity		6.301 sqm
Say 6.301 sqm @ Rs 3736.33 / sqm		Rs 23542.62
36	9.7.7.1 Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured), Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick:Float glass panes4 mm thick glass pane	
Net Total Quantity		1.725 sqm
Say 1.725 sqm @ Rs 2083.68 / sqm		Rs 3594.35
37	50.9.15.4 Providing and fixing iron hooks and eyes: 150 mm	
Net Total Quantity		10.000 no
Say 10.000 no @ Rs 16.46 / no		Rs 164.60
38	9.74.3 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete:150x10 mm	
Net Total Quantity		5.000 no
Say 5.000 no @ Rs 269.27 / no		Rs 1346.35
39	9.74.4 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete:100x10 mm	
Net Total Quantity		5.000 no
Say 5.000 no @ Rs 185.59 / no		Rs 927.95
40	9.76 Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	
Net Total Quantity		5.000 no
Say 5.000 no @ Rs 828.57 / no		Rs 4142.85
41	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)	
Net Total Quantity		30.000 each

Say 30.000 each @ Rs 208.35 / each		Rs 6250.50
42	od166463/2022_2023 OD Melamine polishing on wood work (one or more coat) for new work 	
Net Total Quantity		33.062 sqm
Say 33.062 sqm @ Rs 193.07 / sqm		Rs 6383.28
43	od166464/2022_2023 OD Preparation of wood surface For melamine polish:Melamine polishing on wood work with two coats after preparing base rubbing and cleaning emery paper, filling holes and finishing the surface with ceiler and melamine ceiler two coats including all cost and labour charges etc. complete 	
Net Total Quantity		33.062 sqm
Say 33.062 sqm @ Rs 306.00 / sqm		Rs 10116.97
44	9.119 Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos. of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door fame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in Charge.	
Net Total Quantity		11.600 metre
Say 11.600 metre @ Rs 455.26 / metre		Rs 5281.02
45	9.120.1 Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and sized of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of whicj 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5mm thick, 95 mm wide PVC sheet out of which75 mm shall be tapered in 45 degree on th inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mmx2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded /sealed to the styles & rails with 7 mm (5 mm + 2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer -in-charge, manufacture's specification & drawing.30 mm thick plain PVC door shutters	
Net Total Quantity		3.361 sqm
Say 3.361 sqm @ Rs 2816.99 / sqm		Rs 9467.90
46	10.5.1 Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.Using M.S. angels 40x40x6 mm for diagonal braces	

		Net Total Quantity	2.520 sqm
		Say 2.520 sqm @ Rs 5147.32 / sqm	Rs 12971.25
47	10.31	Providing and fixing angle iron frames for doors, windows and ventilators of mildsteel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer In charge.	
		Net Total Quantity	23.100 kg
		Say 23.100 kg @ Rs 111.81 / kg	Rs 2582.81
48	9.62.1	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete: 300x16 mm	
		Net Total Quantity	1.000 no
		Say 1.000 no @ Rs 213.10 / no	Rs 213.10
49	9.63.3	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete: 150x10 mm	
		Net Total Quantity	1.000 no
		Say 1.000 no @ Rs 61.06 / no	Rs 61.06
50	9.63.1	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete: 250x10 mm	
		Net Total Quantity	1.000 no
		Say 1.000 no @ Rs 86.16 / no	Rs 86.16
51	5.47.1	Providing and fixing in position factory made precast RCC M-40 doors and win frames having excellent smooth finish as per IS:6523 with reinforcement of 3 Nos, 6 mm dia main bars tied with 3 mm M.S stirrups placed @ 200 mm CC and 6 numbers high strength polymer blocks of required size for fixing hinges including providing 6 no specially designed M.S galvanised sleeves for accommodating 6 mm dia fully threaded bolts for fixing hold fast on vertical members, providing suitable arrangement for receiving sliding door bolts and tower bolt etc all complete, as per the direction of Engineer in charge. (The cost of hold fast and cc block of 1:3:6 mix is also included in the item.) The frame shall be measured in running meter correct to two places of decimal. Door frame 125 mm x 60 mm.	
		Net Total Quantity	203.600 metre
		Say 203.600 metre @ Rs 757.00 / metre	Rs 154125.20

52	21.1.1.3 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 Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	
Net Total Quantity		3.591 kg
Say 3.591 kg @ Rs 540.22 / kg		Rs 1939.93
53	od166465/2022_2023 Modified 21.2.2 Providing and fixing 4 mm thick ACP sheet 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. 	
Net Total Quantity		1.891 sqm
Say 1.891 sqm @ Rs 2074.25 / sqm		Rs 3922.41
54	21.1.2.3 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) Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micorn)	
Net Total Quantity		200.256 kg
Say 200.256 kg @ Rs 645.13 / kg		Rs 129191.15
55	21.3.1 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 4.0 mm thickness	
Net Total Quantity		41.180 sqm
Say 41.180 sqm @ Rs 1161.98 / sqm		Rs 47850.34
56	9.100.1 Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:125 mm	
Net Total Quantity		49.000 no
Say 49.000 no @ Rs 69.29 / no		Rs 3395.21

57	9.48.1 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 steel windows by welding	
Net Total Quantity		895.600 kg
Say 895.600 kg @ Rs 192.15 / kg		Rs 172089.54
58	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.	
Net Total Quantity		40.465 sqm
Say 40.465 sqm @ Rs 1744.25 / sqm		Rs 70581.08
59	11.46.2 Providing and laying Vitrified tiles indifferent sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.Size of Tile 600x600 mm	
Net Total Quantity		12.563 sqm
Say 12.563 sqm @ Rs 1796.94 / sqm		Rs 22574.96
60	16.90 Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	
Net Total Quantity		6.480 sqm
Say 6.480 sqm @ Rs 2247.85 / sqm		Rs 14566.07
61	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.	
Net Total Quantity		177.443 sqm
Say 177.443 sqm @ Rs 1077.43 / sqm		Rs 191182.41

62	8.31 Providing and fixing 1st 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 Engineerin-Charge,in skirting, risers of steps and dados, over 12 mm thick bed of cementmortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @3.3kg per sqm, including pointing in white cement mixed with pigment of matchingshade complete.	
Net Total Quantity		55.030 sqm
Say 55.030 sqm @ Rs 1197.67 / sqm		Rs 65907.78
63	od166466/2022_2023 Providing PVC Tile beading in the edges and corners of tile work including cost conveyance labour charges etc complete.	
Net Total Quantity		25.200 metre
Say 25.200 metre @ Rs 58.03 / metre		Rs 1462.36
64	10.26.1 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approves steel primer.M.S. tube	
Net Total Quantity		340.489 kg
Say 340.489 kg @ Rs 169.32 / kg		Rs 57651.60
65	10.26.3 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approves steel primer.G.I. pipes	
Net Total Quantity		198.591 kg
Say 198.591 kg @ Rs 183.71 / kg		Rs 36483.15
66	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer	
Net Total Quantity		1369.510 sqm
Say 1369.510 sqm @ Rs 69.76 / sqm		Rs 95537.02
67	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	
Net Total Quantity		1369.510 sqm
Say 1369.510 sqm @ Rs 149.50 / sqm		Rs 204741.75
68	13.62.1 Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture .	
Net Total Quantity		84.499 sqm

Say 84.499 sqm @ Rs 205.94 / sqm		Rs 17401.72
3 DG and Street Light Foundation		
1	2.28.1 Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.All kinds of soil	
Net Total Quantity		6.900 sqm
Say 6.900 sqm @ Rs 28.32 / sqm		Rs 195.41
2	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	
Net Total Quantity		3.098 cum
Say 3.098 cum @ Rs 293.24 / cum		Rs 908.46
3	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)	
Net Total Quantity		0.536 cum
Say 0.536 cum @ Rs 6729.95 / cum		Rs 3607.25
4	4.3.1 Centering and shuttering including strutting, propping etc. and removal of form work for:Foundations, footings, bases for columns	
Net Total Quantity		0.600 sqm
Say 0.600 sqm @ Rs 331.13 / sqm		Rs 198.68
5	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	
Net Total Quantity		0.612 cum
Say 0.612 cum @ Rs 8971.90 / cum		Rs 5490.80
6	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	
Net Total Quantity		0.664 sqm
Say 0.664 sqm @ Rs 331.13 / sqm		Rs 219.87

7	5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts		
		Net Total Quantity	3.521 sqm
		Say 3.521 sqm @ Rs 852.88 / sqm	Rs 3002.99
8	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		
		Net Total Quantity	93.801 kilogram
		Say 93.801 kilogram @ Rs 97.08 / kilogram	Rs 9106.20
9	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.		
		Net Total Quantity	8.923 cum
		Say 8.923 cum @ Rs 255.35 / cum	Rs 2278.49
10	50.6.7.1 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for foundation and basement including all cost of materials, labour charges etc.		
		Net Total Quantity	0.643 cum
		Say 0.643 cum @ Rs 7159.07 / cum	Rs 4603.28
11	50.13.1 9 mm cement plastering of mix : 1:3 (1 cement : 3 fine sand) including all cost of materials, labour charges etc complete		
		Net Total Quantity	6.849 sqm
		Say 6.849 sqm @ Rs 287.68 / sqm	Rs 1970.32
12	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer		
		Net Total Quantity	6.849 sqm
		Say 6.849 sqm @ Rs 69.76 / sqm	Rs 477.79
13	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		
		Net Total Quantity	6.849 sqm
		Say 6.849 sqm @ Rs 149.50 / sqm	Rs 1023.93

14	10.16.1 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.Hot finished welded type tubes	
Net Total Quantity		27.006 kg
Say 27.006 kg @ Rs 166.71 / kg		Rs 4502.17
15	od166454/2022_2023 Derived 12.50 Providing and fixing precoated Galvalume Sheets (size, shape and colour as approved by Engineer-in-charge) 0.35 mm (+0.5%), total coated thickness The alloy coating nominally contains 55% aluminum, 43.5% zinc and 1.5% silicon by weight, applied by the hot-dipping process and having good corrosion resistance and heat reflectivity including all cost of conveyance and labour charges etc as specified and as directed by the Engineer-in-Charge. The sheet shall be fixed using self drilling/self tapping screws and excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 	
Net Total Quantity		2.008 sqm
Say 2.008 sqm @ Rs 734.95 / sqm		Rs 1475.78
16	13.61.1 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	
Net Total Quantity		2.000 sqm
Say 2.000 sqm @ Rs 141.26 / sqm		Rs 282.52
Provision for GST payments (in %) @		0.0%
Amount reserved for GST payments		0.00
Total		12233292.00
Lumpsum for round off		0.00
		TOTAL Rs 12233292.00
		Rounded Total Rs 1,22,33,292
Rupees One Crore Twenty Two Lakh Thirty Three Thousand Two Hundred and Ninety Two Only		

(Cost Index Applied for this estimate is 33.9%)

CONSTRUCTION OF CARE HOME AT KANNUR - CIVIL WORKS

Detailed Estimate

(Dsr year: **2018**, Cost Index Applied for this estimate is **33.9%**)

SI No	Description	No	L	B	D	CF	Quantity	Remark	
1 Type - A - Civil Woks(For 1 Housing Unit)									
1	2.28.1 Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.All kinds of soil								
	Ground Floor								
		1	18.060	14.400			260.064		
	Total Quantity							260.064 sqm	
	Total Deducted Quantity							0.000 sqm	
	Net Total Quantity							260.064 sqm	
	Say 260.064 sqm @ Rs 28.32 / sqm							Rs 7365.01	
2	2.9.1 Excavation work 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 soils as directed, within a lead of 50 m.Ordinary rock								
	Ground Floor(80% considered for ordinary rock)								
	DR Foundation; Section A-A (Outer walls)	1	65.970	1.300	0.700	0.8	48.027		
	Section B-B	1	83.320	1.300	0.700	0.8	60.657		
	Section C-C	1	17.670	1.250	0.700	0.8	12.369		
	Section D-D	1	1.170	1.300	0.550	0.8	0.670		
	Section E-E	4	1.500	1.250	0.700	0.8	4.200		
		1	2.530	1.250	0.700	0.8	1.771		
	Ramp	2	1.590	0.800	0.700	0.8	1.425		
		1	2.530	0.800	0.700	0.8	1.134		
	Steps	4	1.500	0.700	0.250	0.8	0.840		
	Total Quantity							131.093 cum	
	Total Deducted Quantity							0.000 cum	
	Net Total Quantity							131.093 cum	
	Say 131.093 cum @ Rs 520.94 / cum							Rs 68291.59	
3	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								
	Ground Floor(20% considered for ordinary soil)								
	20% ordinary soil- Section A-A (Outer walls)	1	65.970	1.300	0.700	0.2	12.007		
	Section B-B	1	83.320	1.300	0.700	0.2	15.165		
	Section C-C	1	17.670	1.250	0.700	0.2	3.093		
	Section D-D	1	1.170	1.300	0.550	0.2	0.168		
	Section E-E	4	1.500	1.250	0.700	0.2	1.050		
		1	2.530	1.250	0.700	0.2	0.443		
	Ramp	2	1.590	0.800	0.700	0.2	0.357		
		1	2.530	0.800	0.700	0.2	0.284		
	Steps	4	1.500	0.700	0.250	0.2	0.210		
		Total Quantity						32.777 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						32.777 cum	
		Say 32.777 cum @ Rs 293.24 / cum						Rs 9611.53	
4	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)								
	Ground Floor								
	Ramp	2	1.590	0.800	0.100		0.255		
		1	2.530	0.800	0.100		0.203		
	Steps	4	1.500	0.700	0.100		0.420		
	Flooring; House 1- Living	1	3.200	3.270	0.075		0.785		
	W/area	1	1.320	1.490	0.075		0.148		
	Kitchen	1	3.540	1.580	0.075		0.420		
	Bed Room 1	1	2.690	3.000	0.075		0.606		
	Bed Room 2	1	2.570	3.000	0.075		0.579		
	Bed area front	1	1.380	1.130	0.075		0.117		

	Toilet	1	1.380	1.970	0.075		0.204	
	House 2; Living	1	3.200	3.270	0.075		0.785	
	W/area	1	1.320	1.490	0.075		0.148	
	Kitchen	1	3.540	1.580	0.075		0.420	
	Bed Room 1	1	2.690	3.000	0.075		0.606	
	Bed Room 2	1	2.570	3.000	0.075		0.579	
	Bed area front	1	1.380	1.130	0.075		0.117	
	Toilet	1	1.380	1.970	0.075		0.204	
	House 3; Living	1	3.200	3.270	0.075		0.785	
	W/area	1	1.320	1.490	0.075		0.148	
	Kitchen	1	3.540	1.580	0.075		0.420	
	Bed Room 1	1	2.580	3.000	0.075		0.581	
	Bed Room 2	1	2.530	3.000	0.075		0.570	
	Bed area front	1	1.670	1.130	0.075		0.142	
	Toilet	1	1.530	1.970	0.075		0.227	
	House 4; Living	1	3.200	3.270	0.075		0.785	
	W/area	1	1.320	1.490	0.075		0.148	
	Kitchen	1	3.540	1.580	0.075		0.420	
	Bed Room 1	1	2.690	3.000	0.075		0.606	
	Bed Room 2	1	2.570	3.000	0.075		0.579	
	Bed area front	1	1.380	1.130	0.075		0.117	
	Toilet	1	1.380	1.970	0.075		0.204	
	Stair bottom area cum passage	1	10.130	2.530	0.075		1.923	
	Ramp	1	4.800	2.530	0.100		1.215	
	Total Quantity						15.466 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						15.466 cum	
	Say 15.466 cum @ Rs 6729.95 / cum						Rs 104085.41	
5	4.3.1 Centering and shuttering including strutting, propping etc. and removal of form work for:Foundations, footings, bases for columns							
	Ground Floor							
	Ramp	4	1.590		0.100		0.637	

		2	2.530		0.100		0.506	
	Steps	8	1.500		0.100		1.201	
	Total Quantity						2.344 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						2.344 sqm	
	Say 2.344 sqm @ Rs 331.13 / sqm						Rs 776.17	
6	60.7.1 DRY RUBBLE MASONRY _ Dry rubble without concrete levelling course masonry with good quality blasted rubble including packing to compactness to lines and levels cost and conveyance of all materials labour charges etc. complete as per direction of Departmental officers at site							
	Ground Floor							
	DR Foundation; Section A-A (Outer walls)	1	65.970	0.500	0.450		14.844	
	Section B-B	1	83.320	0.500	0.450		18.747	
	Section C-C	1	17.670	0.450	0.450		3.579	
	Section D-D	1	1.170	0.500	0.450		0.264	
	Section E-E	4	1.500	0.450	0.450		1.215	
		1	2.530	0.450	0.450		0.513	
	Ramp	2	1.590	0.600	0.600		1.145	
		1	2.530	0.600	0.600		0.911	
	Total Quantity						41.218 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						41.218 cum	
	Say 41.218 cum @ Rs 3447.98 / cum						Rs 142118.84	
7	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)							
	Ground Floor							
	RR Foundation; Section A-A (Outer walls)	1	65.970	0.450	0.450		13.359	
	Section B-B	1	83.320	0.450	0.450		16.873	
	Section C-C	1	17.670	0.450	0.450		3.579	
	Section D-D	1	1.170	0.450	0.300		0.158	

	Section E-E	4	1.500	0.450	0.450		1.215	
		1	2.530	0.450	0.450		0.513	
	Ramp	2	1.590	0.400	0.230		0.293	
	Total Quantity						35.990 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						35.990 cum	
	Say 35.990 cum @ Rs 7114.98 / cum						Rs 256068.13	
8	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							
	Ground Floor							
	RCC Belt; Section A-A (Outer walls)	1	65.970	0.200	0.150		1.980	
	Section B-B	1	83.320	0.200	0.150		2.500	
	Section C-C	1	17.670	0.200	0.150		0.531	
	Section D-D	1	1.170	0.200	0.150		0.036	
	Section E-E	4	1.500	0.200	0.150		0.181	
		1	2.530	0.200	0.150		0.076	
	Total Quantity						5.304 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						5.304 cum	
	Say 5.304 cum @ Rs 8971.90 / cum						Rs 47586.96	
9	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, with 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).							
	Ground Floor							
	Beam- Horizontal; B 200x200	1	2.430	0.200	0.100		0.049	
		3	2.280	0.200	0.100		0.137	
		2	2.530	0.200	0.100		0.102	
		2	1.100	0.200	0.100		0.045	
	Beam- Vertical; B 200x350	4	3.000	0.200	0.250		0.601	

	B 200x200	4	1.150	0.200	0.100		0.092	
		6	1.100	0.200	0.100		0.133	
		2	3.180	0.200	0.100		0.128	
		2	0.450	0.200	0.100		0.019	
	Slab; 100 mm thick Slab	1	225.290		0.100		22.529	Area
	Sunken slab	3	1.380	1.970	0.050		0.408	
		1	1.530	1.970	0.050		0.151	
	Kitchen slab	4	3.610	0.600	0.100		0.867	
	Stair Deduction	-1	9.650		0.100		-0.965	Area
	Stair; Stair steps - tread	17	1.250	0.300	0.150		0.957	
	Stair steps - riser	21	1.250	0.150	0.150		0.591	
		2	0.780		0.150		0.234	Area
	Landing slab	1	1.250	1.250	0.150		0.235	
	Landing Beam 200x300	1	2.500	0.200	0.150		0.075	
	Lintel 200x150; Section A-A (Outer walls)	1	65.970	0.200	0.150		1.980	
	Section B-B	1	83.320	0.200	0.150		2.500	
	Lintel 100x150; Inside 10cm thick walls (Sec CC)	1	17.670	0.100	0.150		0.266	
	Sunshade; Back	1	15.300	0.600	0.100		0.918	
	Sides	2	2.230	0.600	0.100		0.268	
		2	2.230	0.600	0.100		0.268	
	Front	2	4.950	0.600	0.100		0.595	
FIRST FLOOR - BEAMS AND LINTELS								
	BEAMS - Horizontal - B 200x200	1	2.430	0.200	0.080		0.039	
		3	2.280	0.200	0.080		0.110	
		3	2.530	0.200	0.080		0.122	
		4	1.100	0.200	0.080		0.071	
		2	0.450	0.200	0.080		0.015	

	Vertical- B 200x350	4	3.000	0.200	0.230		0.553	
		4	1.150	0.200	0.080		0.074	
		4	1.100	0.200	0.080		0.071	
		2	3.180	0.200	0.080		0.102	
		2	0.450	0.200	0.080		0.015	
	LINTELS- Lintel 200x150- Section A-A (Outer walls)	1	65.970	0.200	0.150		1.980	
	Section B-B	1	83.320	0.200	0.150		2.500	
	Lintel 100x150- Inside 10cm thick walls (Sec CC)	1	17.670	0.100	0.150		0.266	
FIRST FLOOR - SLAB								
	120 mm thick Slab	1	225.290		0.120		27.035	Area
	Kitchen slab	4	3.610	0.600	0.100		0.867	
DEDUCTION - FIRST FLOOR - SLAB								
	Stair	1	2.530	4.580	0.120		-1.390	
FIRST FLOOR - STAIR								
	Stair steps - tread	17	1.250	0.300	0.150		0.957	
	Stair steps - riser	21	1.250	0.150	0.150		0.591	
		2	0.780		0.150		0.234	Area
	Landing slab	1	1.250	1.250	0.150		0.235	
	Landing Beam 200 x 300	1	2.500	0.200	0.150		0.075	
FIRST FLOOR - SUNSHADES								
	Back	1	15.300	0.600	0.100		0.918	
	Sides	2	2.230	0.600	0.100		0.268	
		2	2.230	0.600	0.100		0.268	
	Front	2	4.950	0.600	0.100		0.595	
TERRACE FLOOR - SLAB								
	Roof Slab	1	4.160	7.410	0.200		6.166	
TERRACE FLOOR - LINTELS &&&& BEAMS								
	Lintel(200x150)	2	5.540	0.200	0.150		0.333	
		1	2.530	0.200	0.150		0.076	

	Beam B 200x200	1	2.530	0.200	0.080		0.041	
		2	0.650	0.200	0.080		0.021	
	Total Quantity						77.781 cum	
	Total Deducted Quantity						-1.390 cum	
	Net Total Quantity						76.391 cum	
	Say 76.391 cum @ Rs 11349.63 / cum						Rs 867009.59	
10	5.9.5 Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders bressumers and cantilevers							
	Ground Floor							
	RCC Belt; Section A-A (Outer walls)	1	65.970		0.300		19.791	
	Section B-B	1	83.320		0.300		24.996	
	Section C-C	1	17.670		0.300		5.301	
	Section D-D	1	1.170		0.300		0.351	
	Section E-E	4	1.500		0.300		1.800	
		1	2.530		0.300		0.759	
	Beam; B 200x200	1	2.430		0.400		0.973	
		3	2.280		0.400		2.736	
		2	2.530		0.400		2.024	
		4	1.100		0.400		1.761	
	Vertical; B 200x350	4	3.000		0.700		8.400	
	B 200x200	4	1.150		0.400		1.840	
		6	1.100		0.400		2.641	
		2	3.180		0.400		2.545	
		2	0.450		0.400		0.361	
	Landing Beam 200 x 300	1	2.500		0.500		1.250	
	Lintel 200x150; Section A-A (Outer walls)	1	65.970		0.500		32.985	
	Section B-B	1	83.320		0.500		41.660	
	Lintel 100x150; Inside 10cm thick walls (Sec CC)	1	17.670		0.400		7.069	

FIRST FLOOR - BEAMS AND LINTELS								
BEAMS - Horizontal - B 200x200	1	2.430		0.360		0.875		
	3	2.280		0.360		2.463		
	3	2.530		0.360		2.733		
	4	1.100		0.360		1.584		
	2	0.450		0.360		0.324		
Vertical- B 200x350	4	3.000		0.660		7.920		
	4	1.150		0.360		1.656		
	4	1.100		0.360		1.584		
	2	3.180		0.360		2.290		
	2	0.450		0.360		0.324		
Landing Beam 200x300	1	2.500		0.300		0.750		
LINTELS- Lintel 200x150- Section A-A (Outer walls)	1	65.970		0.500		32.985		
Section B-B	1	83.320		0.500		41.660		
Lintel 100x150- Inside 10cm thick walls (Sec CC)	1	17.670		0.400		7.069		
TERRACE FLOOR - LINTELS &&& BEAMS								
Lintel(200x150)	2	5.540		0.500		5.540		
	1	2.530		0.500		1.265		
Beam B 200x200	1	2.530		0.360		0.911		
	2	0.650		0.360		0.468		
	Total Quantity					271.644 sqm		
	Total Deducted Quantity					0.000 sqm		
	Net Total Quantity					271.644 sqm		
	Say 271.644 sqm @ Rs 641.72 / sqm					Rs 174319.39		
11	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform							
Ground Floor								
100mm thick slab	1	225.290				225.290		area

	Landing slab	1	1.250	1.250			1.563	
	Kitchen slab	4	3.610	0.600			8.664	
	GF - Deduction							
	Stair	1	9.650				-9.650	Area
	FIRST FLOOR - SLAB							
	120 mm thick Slab	1	225.290				225.290	Area
	Landing slab	1	1.250	1.250			1.563	
	Kitchen slab	4	3.610	0.600			8.664	
	DEDUCTION - FIRST FLOOR - SLAB							
	Stair	1	2.530	4.580			-11.587	
	TERRACE FLOOR - SLAB							
	Roof Slab	1	4.160	7.410			30.826	
	Total Quantity						501.860 sqm	
	Total Deducted Quantity						-21.237 sqm	
	Net Total Quantity						480.623 sqm	
	Say 480.623 sqm @ Rs 805.61 / sqm						Rs 387194.70	
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							
	Ground Floor							
	slab edges	1	79.090				79.090	
	Stair	1	14.190				14.190	
	Landing slab edge	2	1.250				2.500	
	Kitchen slab	4	4.210				16.840	
	FIRST FLOOR							
	slab edges	1	79.090				79.090	
	Stair	1	14.220				14.220	
	Landing slab edge	2	1.250				2.500	
	Kitchen slab	4	4.210				16.840	
	TERRACE FLOOR							
	Roof Slab	1	23.140				23.140	
	Total Quantity						248.410 metre	
	Total Deducted Quantity						0.000 metre	

		Net Total Quantity						248.410 metre
		Say 248.410 metre @ Rs 201.39 / metre						Rs 50027.29
13	5.9.7 Centering and shuttering including strutting, etc. and removal of form for:Stairs, (excluding landings) except spiral - staircases)							
	Ground Floor							
	Stair; Stair steps bottom	38	1.250	0.150			7.125	
		17	1.250	0.300			6.375	
	Step sides	2	0.780				1.560	area
		42	0.450		0.150		2.835	
		2	3.030		0.150		0.909	
	FIRST FLOOR							
	Stair - Stair steps bottom	38	1.250	0.150			7.125	
		17	1.250	0.300			6.375	
	Step sides	2	0.780				1.560	Area
		42	0.450		0.150		2.835	
		2	3.030		0.150		0.909	
		Total Quantity						37.608 sqm
		Total Deducted Quantity						0.000 sqm
		Net Total Quantity						37.608 sqm
		Say 37.608 sqm @ Rs 723.39 / sqm						Rs 27205.25
14	5.9.19 Centering and shuttering including strutting, etc. and removal of form for:Weather shade, Chajjas, corbels etc., including edges							
	Ground Floor							
	Sunshade; Back	1	15.300		0.70		10.710	
	Sides	2	2.230		0.70		3.122	
		2	2.230		0.70		3.122	
	Front	2	4.950		0.70		6.930	
	FIRST FLOOR							
	Sunshade	1	15.300		0.700		10.710	
		2	2.230		0.700		3.122	
		2	2.230		0.700		3.122	

		2	4.950		0.700		6.930		
	Total Quantity						47.768 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						47.768 sqm		
	Say 47.768 sqm @ Rs 891.31 / sqm						Rs 42576.10		
15	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								
	Ground Floor								
	For RCC belt	5.2998				110.0	582.979		
	For Beam	1.2998				185.0	240.464		
	For Slab	22.989				75.0	1724.175		
	For Stair	2.034				120.0	244.080		
	For Lintel	4.744				100.0	474.400		
	For Sunshade	2.047				60.0	122.821		
	FIRST FLOOR								
	For Beam	1	1.16672			185.0	215.844		
	For Slab	1	26.510712			75.0	1988.304		
	For Stair	1	1.959			120.0	235.080		
	For Lintel	1	4.74375			100.0	474.376		
	For sunshade	1	2.0472			60.0	122.833		
	TERRACE FLOOR								
	Slab	1	6.1651			100.0	616.510		
	Lintel	1	0.4083			100.0	40.830		
	For Beam	1	0.06128			185.0	11.337		
	Total Quantity						7094.033 kilogram		
	Total Deducted Quantity						0.000 kilogram		
	Net Total Quantity						7094.033 kilogram		
	Say 7094.033 kilogram @ Rs 97.08 / kilogram						Rs 688688.72		
16	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.								
	Ground Floor								

	Excavated quantity	1	163.860			0.6	98.316	
	Total Quantity						98.316 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						98.316 cum	
	Say 98.316 cum @ Rs 255.35 / cum						Rs 25104.99	
17	50.2.25.1 Filling with contractor's own earth (excluding rock) in trenches, plinth, sides of foundations 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 as per direction of site Engineer-in-charge							
	Ground Floor							
	Excavated quantity	1	163.860				163.860	
	Deduction; PCC	-1	0.880				-0.880	
	DR masonry	-1	41.210				-41.210	
	RR masonry up to ground level	-1	11.850				-11.850	
	Plinth filling quantity; House 1- Living	1	3.200	3.270	0.450		4.709	
	W/area	1	1.320	1.490	0.450		0.886	
	Kitchen	1	3.540	1.580	0.450		2.517	
	Bed Room 1	1	2.690	3.000	0.450		3.632	
	Bed Room 2	1	2.570	3.000	0.450		3.470	
	Bed area front	1	1.380	1.130	0.450		0.702	
	Toilet	1	1.380	1.970	0.450		1.224	
	House 2; Living	1	3.200	3.270	0.450		4.709	
	W/area	1	1.320	1.490	0.450		0.886	
	Kitchen	1	3.540	1.580	0.450		2.517	
	Bed Room 1	1	2.690	3.000	0.450		3.632	
	Bed Room 2	1	2.570	3.000	0.450		3.470	
	Bed area front	1	1.380	1.130	0.450		0.702	
	Toilet	1	1.380	1.970	0.450		1.224	
	House 3; Living	1	3.200	3.270	0.450		4.709	
	W/area	1	1.320	1.490	0.450		0.886	
	Kitchen	1	3.540	1.580	0.450		2.517	
	Bed Room 1	1	2.580	3.000	0.450		3.483	

	Bed Room 2	1	2.530	3.000	0.450		3.416	
	Bed area front	1	1.670	1.130	0.450		0.850	
	Toilet	1	1.530	1.970	0.450		1.357	
	House 4; Living	1	3.200	3.270	0.450		4.709	
	W/area	1	1.320	1.490	0.450		0.886	
	Kitchen	1	3.540	1.580	0.450		2.517	
	Bed Room 1	1	2.690	3.000	0.450		3.632	
	Bed Room 2	1	2.570	3.000	0.450		3.470	
	Bed area front	1	1.380	1.130	0.450		0.702	
	Toilet	1	1.380	1.970	0.450		1.224	
	Stair bottom area cum passage	1	10.130	2.530	0.450		11.534	
	Ramp	1	4.800	2.530	0.225		2.733	
	Own earth filling	-1	98.316				-98.316	
	Total Quantity						94.509 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						94.509 cum	
	Say 94.509 cum @ Rs 519.26 / cum						Rs 49074.74	
18	4.11 Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4(1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).							
	Ground Floor							
	DR Foundation; Section A-A (Outer walls)	1	65.970		0.600		39.582	
	Section B-B	1	83.320		0.600		49.992	
	Section C-C	1	17.670		0.600		10.602	
	Total Quantity						100.176 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						100.176 sqm	
	Say 100.176 sqm @ Rs 486.93 / sqm						Rs 48778.70	
19	od166455/2022_2023 Modified 4.13 Applying a coat of Inertol Poxitar Coal tar epoxy coating per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil. 							

GROUND FLOOR							
	DPC 50mm thick	1	100.180				100.180
	Total Quantity						100.180 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						100.180 sqm
	Say 100.180 sqm @ Rs 281.38 / sqm						Rs 28188.65
20	od166456/2022_2023 OD Applying Antitermite treatment on flooring using emidoclocrid chemical which is ecofriendly and nil harm ful for human beings and pet animals which control the pests including all cost and labour charges etc complete 						
Ground Floor							
	House 1; Living	1	3.200	3.270			10.464
	W/area	1	1.320	1.490			1.967
	Kitchen	1	3.540	1.580			5.594
	Bed Room 1	1	2.690	3.000			8.070
	Bed Room 2	1	2.570	3.000			7.710
	Bed area front	1	1.380	1.130			1.560
	Toilet	1	1.380	1.970			2.719
	House 2; Living	1	3.200	3.270			10.464
	W/area	1	1.320	1.490			1.967
	Kitchen	1	3.540	1.580			5.594
	Bed Room 1	1	2.690	3.000			8.070
	Bed Room 2	1	2.570	3.000			7.710
	Bed area front	1	1.380	1.130			1.560
	Toilet	1	1.380	1.970			2.719
	House 3; Living	1	3.200	3.270			10.464
	W/area	1	1.320	1.490			1.967
	Kitchen	1	3.540	1.580			5.594
	Bed Room 1	1	2.580	3.000			7.740
	Bed Room 2	1	2.530	3.000			7.590
	Bed area front	1	1.670	1.130			1.888
	Toilet	1	1.530	1.970			3.015
	House 4; Living	1	3.200	3.270			10.464
	W/area	1	1.320	1.490			1.967

	Kitchen	1	3.540	1.580			5.594		
	Bed Room 1	1	2.690	3.000			8.070		
	Bed Room 2	1	2.570	3.000			7.710		
	Bed area front	1	1.380	1.130			1.560		
	Toilet	1	1.380	1.970			2.719		
	Stair bottom area cum passage	1	10.130	2.530			25.629		
	Ramp	1	4.800	2.530			12.144		
	Total Quantity						190.283 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						190.283 sqm		
	Say 190.283 sqm @ Rs 127.77 / sqm						Rs 24312.46		
21	50.6.7.1 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for foundation and basement including all cost of materials, labour charges etc.								
	For steps	4	1.500	0.600	0.300		1.080		
		4	1.500	0.300	0.150		0.270		
	Total Quantity						1.350 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						1.350 cum		
	Say 1.350 cum @ Rs 7159.07 / cum						Rs 9664.74		
22	50.6.7.2 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for super structure above plinth level up to floor two level including all cost of materials, labour charges etc.								
	Ground Floor								
	Masonry 20cm thick; Section A-A (Outer walls)	1	65.970	0.200	2.900		38.263		
	Section B-B	1	83.320	0.200	2.900		48.326		
	GF-Deductions								
	D/W 100x210	4	1.000	0.200	2.100		-1.680		
	D1 90x210	8	0.900	0.200	2.100		-3.024		
	W1 60x150	8	0.600	0.200	1.500		-1.440		
	W2 120x150	12	1.200	0.200	1.500		-4.320		

	W2' 100x110	4	1.000	0.200	1.100		-0.880		
	W3 180x150	1	1.800	0.200	1.500		-0.540		
	V 60x60	4	0.600	0.200	0.600		-0.288		
	Opening at kitchen and Bed	3	1.600	0.200	1.800		-1.728		
	Opening at living and Bed-House 3	1	1.500	0.200	1.800		-0.540		
	Opening at Living and Bed	4	1.100	0.200	2.100		-1.848		
	Deduction for beam quantity	1	0.700				-0.700		
FIRST FLOOR									
	Masonry 20cm thick walls- Section A-A (Outer walls)	1	65.970	0.200	2.880		37.999		
	Section B-B	1	83.320	0.200	2.880		47.993		
DEDUCTION - FIRST FLOOR									
	D/W 100x210	4	1.000	0.200	2.100		-1.680		
	D1 90x210	8	0.900	0.200	2.100		-3.024		
	W1 60x150	8	0.600	0.200	1.500		-1.440		
	W2 120x150	12	1.200	0.200	1.500		-4.320		
	W2' 100x110	4	1.000	0.200	1.100		-0.880		
	W3 180x150	1	1.800	0.200	1.500		-0.540		
	V 60x60	4	0.600	0.200	0.600		-0.288		
	Opening at kitchen and Bed	3	1.600	0.200	1.800		-1.728		
	Opening at living and Bed-House 3	1	1.500	0.200	1.800		-0.540		
	Opening at Living and Bed	4	1.100	0.200	2.100		-1.848		
	Deduction for beam quantity	1	0.541				-0.541		
	Total Quantity						172.581 cum		
	Total Deducted Quantity						-33.817 cum		
	Net Total Quantity						138.764 cum		
	Say 138.764 cum @ Rs 7896.99 / cum						Rs 1095817.92		

23	50.6.7.3 Laterate masonry with neatly dressed laterate stone of size 40x20x15 cm or nearest size in cement mortar 1:6 for superstructure above floor two level upto floor five level including all cost of materials, labour charges etc.							
TERRACE FLOOR								
	Stair head room	2	6.190	0.200	2.350		5.819	
		1	2.530	0.200	2.350		1.190	
		1	2.530	0.200	2.500		1.266	
DEDUCTION - TERRACE FLOOR								
	D4 120x210	1	1.200	0.200	2.100		-0.504	
	W3 180x150	1	1.800	0.200	1.500		-0.540	
Total Quantity							8.275 cum	
Total Deducted Quantity							-1.044 cum	
Net Total Quantity							7.231 cum	
Say 7.231 cum @ Rs 8877.61 / cum							Rs 64194.00	
24	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							
Ground Floor								
	Masonry 10cm thick; Inside 10cm thick walls (Sec CC)	1	17.670	0.100	2.750		4.860	
GF- Deductions								
	D1 90x210	4	0.900	0.100	2.100		-0.756	
	D1' 90x210	1	0.900	0.100	2.100		-0.189	
	D2 80x210	3	0.800	0.100	2.100		-0.504	
	Deduction for beam quantity	1	0.300				-0.300	
FIRST FLOOR								
	Masonry 10cm thick walls - Inside walls	1	17.670	0.100	2.880		5.089	
DEDUCTION - FIRST FLOOR								
	D1 90x210	4	0.900	0.100	2.100		-0.756	
	D2 80x210	4	0.800	0.100	2.100		-0.672	

	Deduction for beam quantity	1	0.276					-0.276	
	Total Quantity							9.949 cum	
	Total Deducted Quantity							-3.453 cum	
	Net Total Quantity							6.496 cum	
	Say 6.496 cum @ Rs 7769.76 / cum							Rs 50472.36	
25	od166457/2022_2023 Modified 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 from floor two level to Level 5 for 10 cm thick wall in : CM 1:6 (1 cement : 6 coarse sand) including cost of scaffolding complete 								
	TERRACE FLOOR								
	Parapet wall	1	73.140	0.100	1.200			8.777	
	Total Quantity							8.777 cum	
	Total Deducted Quantity							0.000 cum	
	Net Total Quantity							8.777 cum	
	Say 8.777 cum @ Rs 8750.38 / cum							Rs 76802.09	
26	13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)								
	Ground Floor								
	Exterior walls	1	62.670		3.600			225.613	
	Ramp sides	2	1.590		0.110			0.350	
	Interior walls; House 1-Living cum dining	1	12.940		3.050			39.467	
	W/area	1	4.130		3.050			12.597	
	Kitchen	1	10.240		3.050			31.232	
	Bed Room 1	1	11.140		3.050			33.977	
	Bed room 2	1	11.380		3.050			34.709	
	Toilet	1	6.700		3.050			20.435	
	Bed area front	1	4.560		3.050			13.908	
	House 2; Living cum dining	1	12.940		3.050			39.467	
	W/area	1	4.130		3.050			12.597	
	Kitchen	1	10.240		3.050			31.232	
	Bed Room 1	1	11.140		3.050			33.977	
	Bed room 2	1	11.380		3.050			34.709	

Toilet	1	6.700		3.050		20.435	
Bed area front	1	4.560		3.050		13.908	
House 3; Living cum dining	1	12.940		3.050		39.467	
W/area	1	4.130		3.050		12.597	
Kitchen	1	10.240		3.050		31.232	
Bed Room 1	1	11.060		3.050		33.733	
Bed room 2	1	11.160		3.050		34.038	
Toilet	1	7.000		3.050		21.350	
Bed area front	1	5.140		3.050		15.677	
House 4; Living cum dining	1	12.940		3.050		39.467	
W/area	1	4.130		3.050		12.597	
Kitchen	1	10.240		3.050		31.232	
Bed Room 1	1	11.140		3.050		33.977	
Bed room 2	1	11.380		3.050		34.709	
Toilet	1	6.700		3.050		20.435	
Bed area front	1	4.560		3.050		13.908	
Stair area cum passage	1	29.330		3.050		89.457	
GF- Deductions							
D/W 100x210	4	1.000		2.100		-8.400	
D1 90x210	12	0.900		2.100		-22.680	
D1' 90x210	1	0.900		2.100		-1.890	
D2 80x210	3	0.800		2.100		-5.040	
W1 60x150	8	0.600		1.500		-7.199	
W2 120x150	12	1.200		1.500		-21.599	
W2' 100x110	4	1.000		1.100		-4.400	
W3 180x150	1	1.800		1.500		-2.700	
V 60x60	4	0.600		0.600		-1.440	
Opening at kitchen and Bed	3	1.600		1.800		-8.640	
Opening at living and Bed-House 3	1	1.500		1.800		-2.700	

	Opening at living and Bed	4	1.100		2.100		-9.240	
	Wall tile	1	49.980				-49.980	
	FIRST FLOOR							
	Exterior walls	1	68.970		3.150		217.256	
	Interior walls - House 1- Living cum dining	1	12.940		3.030		39.209	
	W/area	1	4.130		3.030		12.514	
	Kitchen	1	10.240		3.030		31.028	
	Bed Room 1	1	11.140		3.030		33.755	
	Bed room 2	1	11.380		3.030		34.482	
	Toilet	1	6.700		3.030		20.301	
	Bed area front	1	4.560		3.030		13.817	
	House 2- Living cum dining	1	12.940		3.030		39.209	
	W/area	1	4.130		3.030		12.514	
	Kitchen	1	10.240		3.030		31.028	
	Bed Room 1	1	11.140		3.030		33.755	
	Bed room 2	1	11.380		3.030		34.482	
	Toilet	1	6.700		3.030		20.301	
	Bed area front	1	4.560		3.030		13.817	
	House 3- Living cum dining	1	12.940		3.030		39.209	
	W/area	1	4.130		3.030		12.514	
	Kitchen	1	10.240		3.030		31.028	
	Bed Room 1	1	11.060		3.030		33.512	
	Bed room 2	1	11.160		3.030		33.815	
	Toilet	1	7.000		3.030		21.210	
	Bed area front	1	5.140		3.030		15.575	
	House 4 - Living cum dining	1	12.940		3.030		39.209	
	W/area	1	4.130		3.030		12.514	
	Kitchen	1	10.240		3.030		31.028	
	Bed Room 1	1	11.140		3.030		33.755	

	Bed room 2	1	11.380		3.030		34.482		
	Toilet	1	6.700		3.030		20.301		
	Bed area front	1	4.560		3.030		13.817		
	Stair area cum passage	1	22.890		3.030		69.357		
DEDUCTION - FIRST FLOOR									
	Deduction for openings- D/W 100x210	4	1.000		2.100		-8.400		
	D1 90x210	12	0.900		2.100		-22.680		
	D2 80x210	4	0.800		2.100		-6.720		
	W1 60x150	8	0.600		1.500		-7.199		
	W2 120x150	12	1.200		1.500		-21.599		
	W2' 100x110	4	1.000		1.100		-4.400		
	W3 180x150	1	1.800		1.500		-2.700		
	V 60x60	4	0.600		0.600		-1.440		
	Opening at kitchen and Bed	3	1.600		1.800		-8.640		
	Opening at living and Bed-House 3	1	1.500		1.800		-2.700		
	Opening at living and Bed	4	1.100		2.100		-9.240		
	Wall tile	1	50.190				-50.190		
TERRACE FLOOR									
	External walls - Head room	1	18.280		2.700		49.357		
	Internal walls - Head room	1	16.880		2.500		42.200		
	Parapet wall	1	73.140		2.500		182.850		
DEDUCTION - TERRACE FLOOR									
	D4 120x210	1	1.200		2.100		-2.520		
	W3 180x150	1	1.800		1.500		-2.700		
	Total Quantity						2365.690 sqm		
	Total Deducted Quantity						-297.036 sqm		
	Net Total Quantity						2068.654 sqm		

		Say 2068.654 sqm @ Rs 310.18 / sqm					Rs 641655.10	
27	50.13.1 9 mm cement plastering of mix : 1:3 (1 cement : 3 fine sand) including all cost of materials, labour charges etc complete							
GROUND FLOOR								
	Ceiling - Roof slab	1	225.290				225.290	Area
	Kitchen slab	4	3.610	0.700			10.108	
	Sunshade - Back	1	15.300		1.300		19.890	
	Sides	2	2.230		1.300		5.798	
		2	2.230		1.300		5.798	
	Front	2	4.950		1.300		12.871	
	Beam side Plastering - B 200x200	1	1.530		0.200		0.307	
		2	2.530		0.200		1.012	
		3	1.380		0.200		0.828	
		4	1.150		0.200		0.920	
		2	3.180		0.200		1.273	
	Stair - Step bottom	19	1.250	0.150			3.563	
		17	1.250	0.300			6.375	
		2	0.780				1.560	Area
		1	1.250		0.150		0.188	
		1	1.790		0.150		0.269	
	Sides	19	0.450		0.150		1.283	
	Landing slab bottom	1	1.250	1.250			1.563	
GROUND FLOOR -DEDUCTION								
	Deduct 20cm thick wall	1	149.290	0.200			-29.858	
	Deduct 10cm thick wall	1	17.670	0.100			-1.767	
	Stair	1	9.650				-9.650	Area
FIRST FLOOR								
	Ceiling - Roof slab	1	225.290				225.290	Area
	Kitchen slab	4	3.610	0.700			10.108	
	Sunshade - Back	1	15.300		1.300		19.890	

	Sides	2	2.230		1.300		5.798	
		2	2.230		1.300		5.798	
	Front	2	4.950		1.300		12.871	
	Beam side plastering - B(200x200)	1	1.530		0.200		0.307	
		3	2.530		0.200		1.518	
		3	1.380		0.200		0.828	
		4	1.150		0.200		0.920	
		2	3.180		0.200		1.273	
	Stair- Step bottom	19	1.250	0.150			3.563	
		17	1.250	0.300			6.375	
		2	0.780				1.560	Area
		1	1.250		0.150		0.188	
		1	1.790		0.150		0.269	
	Sides	19	0.450		0.150		1.283	
	Landing slab bottom	1	1.250	1.250			1.563	
DEDUCTION - FIRST FLOOR								
	Stair	1	9.650				-9.650	area
	Deduct 20cm thick wall	1	149.290	0.200			-29.858	
	Deduct 10cm thick wall	1	17.670	0.100			-1.767	
TERRACE FLOOR								
	Ceiling - Roof Slab	1	4.160	7.410			30.826	
DEDUCTION- TERRACE FLOOR								
	Deduct wall length	1	17.440	0.200			-3.488	
Total Quantity							629.124 sqm	
Total Deducted Quantity							-86.038 sqm	
Net Total Quantity							543.086 sqm	
Say 543.086 sqm @ Rs 287.68 / sqm							Rs 156234.98	
28	10.5.1 Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.Using M.S. angels 40x40x6 mm for diagonal braces							
TERRACE FLOOR								

	D4 120x210	1	1.200		2.100		2.520	
	Total Quantity						2.520 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						2.520 sqm	
	Say 2.520 sqm @ Rs 5147.32 / sqm						Rs 12971.25	
29	10.31	Providing and fixing angle iron frames for doors, windows and ventilators of mildsteel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer In charge.						
	TERRACE FLOOR							
	D4 120x210	1	6.600			3.5	23.100	
	Total Quantity						23.100 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						23.100 kg	
	Say 23.100 kg @ Rs 111.81 / kg						Rs 2582.81	
30	9.62.1	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete: 300x16 mm						
	TERRACE FLOOR							
		1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 213.10 / no						Rs 213.10	
31	9.63.3	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete: 150x10 mm						
	TERRACE FLOOR							
		1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 61.06 / no						Rs 61.06	
32	9.63.1							

	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:250x10 mm						
	TERRACE FLOOR						
		1					1.000
	Total Quantity						1.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						1.000 no
	Say 1.000 no @ Rs 86.16 / no						Rs 86.16
33	<p>22.5 Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg /sqm mixed with water proofing cement compound @ 0.126 kg/ sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.</p>						
	Ground Floor						
	Floor; House 1 - Toilet	1	1.380	1.970			2.719
	House 2 - Toilet	1	1.380	1.970			2.719
	House 3 - Toilet	1	1.530	1.970			3.015
	House 4 - Toilet	1	1.380	1.970			2.719
	Wall; House 1 - Toilet	1	6.700		0.600		4.020
	House 2 - Toilet	1	6.700		0.600		4.020
	House 3 - Toilet	1	7.000		0.600		4.200
	House 4 - Toilet	1	6.700		0.600		4.020
	Ground Floor- Deductions						
	D1' 90x210	1	0.900		0.600		-0.540
	D2 80x210	3	0.800		0.600		-1.440
	FIRST FLOOR						
	Floor - House 1 - Toilet	1	1.380	1.970			2.719
	House 2 - Toilet	1	1.380	1.970			2.719
	House 3 - Toilet	1	1.530	1.970			3.015
	House 4 - Toilet	1	1.380	1.970			2.719
	Wall- House 1 - Toilet	1	6.700		0.600		4.020

	House 2 - Toilet	1	6.700		0.600		4.020	
	House 3 - Toilet	1	7.000		0.600		4.200	
	House 4 - Toilet	1	6.700		0.600		4.020	
DEDUCTION - FIRST FLOOR								
	D2 80x210	4	0.800		0.600		-1.920	
Total Quantity							54.864 sqm	
Total Deducted Quantity							-3.900 sqm	
Net Total Quantity							50.964 sqm	
Say 50.964 sqm @ Rs 541.22 / sqm							Rs 27582.74	
34	4.2.3 Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc. up to floor five level, excluding the cost of centering, shuttering and finishing:1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)							
FIRST FLOOR								
	House 1 - Toilet	1	1.380	1.970	0.100		0.272	
	House 2 - Toilet	1	1.380	1.970	0.100		0.272	
	House 3 - Toilet	1	1.530	1.970	0.100		0.302	
	House 4 - Toilet	1	1.380	1.970	0.100		0.272	
Total Quantity							1.118 cum	
Total Deducted Quantity							0.000 cum	
Net Total Quantity							1.118 cum	
Say 1.118 cum @ Rs 9943.95 / cum							Rs 11117.34	
35	od166458/2022_2023 OD Supplying and filling with cinder under , ramming consolidating and dressing complete. including all cost of materials, labour charges etc complete 							
FIRST FLOOR								
	House 1 - Toilet	1	1.380	1.970	0.150		0.408	
	House 2 - Toilet	1	1.380	1.970	0.150		0.408	
	House 3 - Toilet	1	1.530	1.970	0.150		0.453	
	House 4 - Toilet	1	1.380	1.970	0.150		0.408	
Total Quantity							1.677 cum	
Total Deducted Quantity							0.000 cum	
Net Total Quantity							1.677 cum	

	Say 1.677 cum @ Rs 1967.17 / cum						Rs 3298.94	
36	5.30 Add for plaster drip course / groove in plastered surface or moulding to R.C.C. projections.							
GROUND FLOOR								
	Horizontal groove between beam and masonry	1	25.300				25.300	
FIRST FLOOR								
	Horizontal groove between beam and masonry	1	26.200				26.200	
Total Quantity							51.500 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							51.500 metre	
Say 51.500 metre @ Rs 68.42 / metre							Rs 3523.63	
37	od166459/2022_2023 OD Providing water cutting to bottom edge side of slab/sunshade by 25mm wide and 15mm thick in cement mortar 1:3 including cost and conveyance of all materials, labour charges etc complete 							
GROUND FLOOR								
	Roof slab	1	79.090				79.090	
	Sunshade - Back	1	15.300				15.300	
	Sides	2	2.230				4.460	
		2	2.230				4.460	
	Front	2	4.950				9.900	
FIRST FLOOR								
	Sunshade - Back	1	15.300				15.300	
	Sides	2	2.230				4.460	
		2	2.230				4.460	
	Front	2	4.950				9.900	
	Roof slab	1	79.090				79.090	
TERRACE FLOOR								
		1	23.140				23.140	
Total Quantity							249.560 metre	
Total Deducted Quantity							0.000 metre	
Net Total Quantity							249.560 metre	

	Say 249.560 metre @ Rs 107.23 / metre						Rs 26760.32	
38	od166460/2022_2023 Modified 50.9.1.2 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 Pincoda wood 							
	GROUND FLOOR							
	D/W 100x210	4	1.300	0.075	0.1250		0.049	
		8	1.950	0.075	0.1250		0.147	
	W1 60x150	4	0.900	0.075	0.100		0.028	
		8	1.350	0.075	0.100		0.082	
	FIRST FLOOR							
	D/W 100x210	4	1.300	0.075	0.125		0.049	
		8	1.950	0.075	0.125		0.147	
	W1 60x150	4	0.900	0.075	0.100		0.028	
		8	1.350	0.075	0.100		0.082	
	Total Quantity						0.612 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.612 cum	
	Say 0.612 cum @ Rs 170864.21 / cum						Rs 104568.90	
39	od166461/2022_2023 Modified 50.9.3.2 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 Pincoda wood. 							
	GROUND FLOOR							
	D/W 100x210	4	0.850		2.025		6.885	
	W1 60x150	4	0.450		1.350		2.430	
	FIRST FLOOR							
	D/W 100x210	4	0.850		2.025		6.885	
	W1 60x150	4	0.450		1.350		2.430	
	Total Quantity						18.630 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						18.630 sqm	
	Say 18.630 sqm @ Rs 4194.52 / sqm						Rs 78143.91	
40	od166462/2022_2023							

	Modified 50.9.4.2 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 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 Pincoda wood 							
	GROUND FLOOR							
	D/W 100x210	4	0.700		1.800		5.040	
	FIRST FLOOR							
	D/W 100x210	4	0.700		1.800		5.040	
	Total Quantity						10.080 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						10.080 sqm	
	Say 10.080 sqm @ Rs 3736.33 / sqm						Rs 37662.21	
41	9.7.7.1 Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured), Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick:Float glass panes4 mm thick glass pane							
	GROUND FLOOR							
	W1 60x150	4	0.250		1.150		1.150	
	FIRST FLOOR							
	W1 60x150	4	0.250		1.150		1.150	
	Total Quantity						2.300 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						2.300 sqm	
	Say 2.300 sqm @ Rs 2083.68 / sqm						Rs 4792.46	
42	50.9.15.4 Providing and fixing iron hooks and eyes: 150 mm							
	GROUND FLOOR							
	W1 60x150	8					8.000	
	FIRST FLOOR							
	W1 60x150	8					8.000	
	Total Quantity						16.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						16.000 no	
	Say 16.000 no @ Rs 16.46 / no						Rs 263.36	

43	9.74.3 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete:150x10 mm								
Ground Floor									
	Door; D/W 100x210	4					4.000		
FIRST FLOOR									
	D/W 100x210	4					4.000		
Total Quantity							8.000	no	
Total Deducted Quantity							0.000	no	
Net Total Quantity							8.000	no	
Say 8.000 no @ Rs 269.27 / no							Rs 2154.16		
44	9.74.4 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete:100x10 mm								
Ground Floor									
	Door; D/W 100x210	4					4.000		
FIRST FLOOR									
	D/W 100x210	4					4.000		
Total Quantity							8.000	no	
Total Deducted Quantity							0.000	no	
Net Total Quantity							8.000	no	
Say 8.000 no @ Rs 185.59 / no							Rs 1484.72		
45	9.76 Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.								
Ground Floor									
	Door; D/W 100x210	4					4.000		
FIRST FLOOR									
	D/W 100x210	4					4.000		
Total Quantity							8.000	no	
Total Deducted Quantity							0.000	no	
Net Total Quantity							8.000	no	
Say 8.000 no @ Rs 828.57 / no							Rs 6628.56		
46	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)							
	Ground Floor							
	Door; D/W 100x210	24					24.000	
	FIRST FLOOR							
	D/W 100x210	24					24.000	
	Total Quantity						48.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						48.000 each	
	Say 48.000 each @ Rs 208.35 / each						Rs 10000.80	
47	od166463/2022_2023 OD Melamine polishing on wood work (one or more coat) for new work 							
	GROUND FLOOR							
	D/W 100x210	4	1.000		2.100	2.6	21.841	
	W1 60x150	4	0.600		1.500	1.6	5.760	
	FIRST FLOOR							
	D/W 100x210	4	1.000		2.100	2.6	21.841	
	W1 60x150	4	0.600		1.500	1.6	5.760	
	Total Quantity						55.202 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						55.202 sqm	
	Say 55.202 sqm @ Rs 193.07 / sqm						Rs 10657.85	
48	od166464/2022_2023 OD Preparation of wood surface For melamine polish:Melamine polishing on wood work with two coats after preparing base rubbing and cleaning emery paper, filling holes and finishing the surface with ceiler and melamine ceiler two coats including all cost and labour charges etc. complete 							
	GROUND FLOOR							
	D/W 100x210	4	1.000		2.100	2.6	21.841	
	W1 60x150	4	0.600		1.500	1.6	5.760	
	FIRST FLOOR							
	D/W 100x210	4	1.000		2.100	2.6	21.841	
	W1 60x150	4	0.600		1.500	1.6	5.760	
	Total Quantity						55.202 sqm	
	Total Deducted Quantity						0.000 sqm	

	Net Total Quantity						55.202 sqm
	Say 55.202 sqm @ Rs 306.00 / sqm						Rs 16891.81
49	<p>9.119 Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos. of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in Charge.</p>						
	Ground Floor						
	Toilet Door; D2 80x210	3	5.800				17.400
	FIRST FLOOR						
	Toilet Door- D2 80x210	4	5.800				23.200
	Total Quantity						40.600 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						40.600 metre
	Say 40.600 metre @ Rs 455.26 / metre						Rs 18483.56
50	<p>9.120.1 Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and sized of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5mm thick, 95 mm wide PVC sheet out of which 75 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mmx2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded /sealed to the styles & rails with 7 mm (5 mm + 2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer -in-charge, manufacture's specification & drawing.30 mm thick plain PVC door shutters</p>						
	Ground Floor						
	Toilet Door ; D2 80x210	3	0.800		2.100		5.041
	FIRST FLOOR						
	Toilet Door - D2 80x210	4	0.800		2.100		6.721

		Total Quantity				11.762 sqm	
		Total Deducted Quantity				0.000 sqm	
		Net Total Quantity				11.762 sqm	
		Say 11.762 sqm @ Rs 2816.99 / sqm				Rs 33133.44	
51	<p>5.47.1 Providing and fixing in position factory made precast RCC M-40 doors and win frames having excellent smooth finish as per IS:6523 with reinforcement of 3 Nos, 6 mm dia main bars tied with 3 mm M.S stirrups placed @ 200 mm CC nad 6 numbers high strength polymer blocks of required size for fixing hinges including providing 6 no specially designed M.S galvanised sleeves for accomodating 6 mm dia fully threaded bolts for fixing hold fast on vertical members, providing suitable arrangement for receiving sliding door bolts and tower bolt etc all complete, as per the direction of Engineer in charge. (The cost of hold fast and cc block of 1:3:6 mix is also included in the item.) The frame shall be measured in running meter correct to two places of decimal.Door frame 125 mm x 60 mm.</p>						
	Ground Floor						
	Window; W1 60x150	4	4.200				16.800
	W2 120x150	12	6.900				82.801
	W2' 100x110	4	8.000				32.000
	W3 180x150	1	9.600				9.600
	Ventilator; V 60x60	4	2.400				9.600
	Door; D1 90x210	12	5.100				61.200
	FIRST FLOOR						
	Window - W1 60x150	4	4.200				16.800
	W2 120x150	12	6.900				82.801
	W2' 100x110	4	8.000				32.000
	W3 180x150	1	9.600				9.600
	Ventilator- V 60x60	4	2.400				9.600
	Door - D1 90x210	12	5.100				61.200
	TERRACE FLOOR						
	Window frame- W3 180x150	1	9.600				9.600
		Total Quantity				433.602 metre	
		Total Deducted Quantity				0.000 metre	
		Net Total Quantity				433.602 metre	
		Say 433.602 metre @ Rs 757.00 / metre				Rs 328236.71	
52	<p>21.1.1.3 Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up</p>						

	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 portionPolyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)							
	Ground Floor							
	Door ; D1' 90x210	1	0.900	1.900	2.100		3.591	
	Total Quantity						3.591 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						3.591 kg	
	Say 3.591 kg @ Rs 540.22 / kg						Rs 1939.93	
53	od166465/2022_2023 Modified 21.2.2 Providing and fixing 4 mm thick ACP sheet 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. 							
	GROUND FLOOR							
	D1' 90x210	1	0.900		2.100		1.891	
	Total Quantity						1.891 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1.891 sqm	
	Say 1.891 sqm @ Rs 2074.25 / sqm						Rs 3922.41	
54	21.1.2.3 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)Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micorn)							
	Ground Floor							
	Window; W1 60x150	4	0.600		1.500	4.8	17.280	
	W2 120x150	12	1.200		1.500	4.8	103.680	
	W2' 100x110	4	1.000		1.100	4.8	21.120	
	W3 180x150	1	1.800		1.500	4.8	12.960	
	Ventilator; V 60x60	4	0.600		0.600	7.2	10.368	
	FIRST FLOOR							
	Window; W1 60x150	4	0.600		1.500	4.8	17.280	

	W2 120x150	12	1.200		1.500	4.8	103.680	
	W2' 100x110	4	1.000		1.100	4.8	21.120	
	W3 180x150	1	1.800		1.500	4.8	12.960	
	Ventilator; V 60x60	4	0.600		0.600	7.2	10.368	
TERRACE FLOOR								
	Window frame - W3 180x150	1	1.800		1.500	4.8	12.960	
Total Quantity							343.776 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							343.776 kg	
Say 343.776 kg @ Rs 645.13 / kg							Rs 221780.21	
55	21.3.1 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 4.0 mm thickness							
Ground Floor								
	Window; W1 60x150	4	0.600		1.500		3.600	
	W2 120x150	12	1.200		1.500		21.600	
	W2' 100x110	4	1.000		1.100		4.400	
	W3 180x150	1	1.800		1.500		2.700	
	Ventilator; V 60x60	4	0.600		0.600		1.440	
FIRST FLOOR								
	Window; W1 60x150	4	0.600		1.500		3.600	
	W2 120x150	12	1.200		1.500		21.600	
	W2' 100x110	4	1.000		1.100		4.400	
	W3 180x150	1	1.800		1.500		2.700	
	Ventilator; V 60x60	4	0.600		0.600		1.440	
TERRACE FLOOR								
	Window frame - W3 180x150	1	1.800		1.500		2.700	
Total Quantity							70.180 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							70.180 sqm	
Say 70.180 sqm @ Rs 1161.98 / sqm							Rs 81547.76	

56	9.100.1 Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:125 mm								
Ground Floor									
	Window; W1 60x150	4					4.000		
	W2 120x150	24					24.000		
	W2' 100x110	8					8.000		
	W3 180x150	3					3.000		
FIRST FLOOR									
	Window; W1 60x150	4					4.000		
	W2 120x150	24					24.000		
	W2' 100x110	8					8.000		
	W3 180x150	3					3.000		
TERRACE FLOOR									
	Window - W3 180x150	3					3.000		
Total Quantity							81.000	no	
Total Deducted Quantity							0.000	no	
Net Total Quantity							81.000	no	
Say 81.000 no @ Rs 69.29 / no							Rs 5612.49		
57	9.48.1 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 steel windows by welding								
Ground Floor									
	Window; W1 60x150	8	0.600		1.500	20.0	144.000		
	W2 120x150	12	1.200		1.500	20.0	432.000		
	W2' 100x110	4	1.000		1.100	20.0	88.000		
	W3 180x150	1	1.800		1.500	20.0	54.000		
	Ventilator; V 60x60	4	0.600		0.600	20.0	28.800		
FIRST FLOOR									
	Window; W1 60x150	8	0.600		1.500	20.0	144.000		
	W2 120x150	12	1.200		1.500	20.0	432.000		
	W2' 100x110	4	1.000		1.100	20.0	88.000		
	W3 180x150	1	1.800		1.500	20.0	54.000		

	Ventilator; V 60x60	4	0.600		0.600	20.0	28.800	
TERRACE FLOOR								
	Window - W3 180x150	1	1.800		1.500	20.0	54.000	
Total Quantity							1547.600 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							1547.600 kg	
Say 1547.600 kg @ Rs 192.15 / kg							Rs 297371.34	
58	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.							
Ground Floor								
	Stair bottom area cum passage	1	10.120	2.530			25.604	
	Stair ; Step	17	1.250	0.300			6.375	
		2	0.780				1.560	area
	Mid Landing	1	1.250	1.250			1.563	
	Outer Steps	8	1.500	0.300			3.600	
	Kitchen slab	4	3.580	0.600			8.592	
FIRST FLOOR								
	Passage	1	16.160				16.160	Area
	Stair ; Step	17	1.250	0.300			6.375	
		2	0.780				1.560	area
	Mid Landing	1	1.250	1.250			1.563	
	Kitchen slab	4	3.580	0.600			8.592	
TERRACE FLOOR								
	Stair case landing	1	2.530	1.340			3.391	
Total Quantity							84.935 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							84.935 sqm	
Say 84.935 sqm @ Rs 1744.25 / sqm							Rs 148147.87	
59	11.46.2 Providing and laying Vitrified tiles indifferent sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in							

	skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm							
	Ground Floor							
	Stair bottom area cum passage	1	22.770		0.100		2.277	
	Stair ; Step	19	0.450		0.100		0.856	
	Mid Landing	1	2.500		0.100		0.250	
		19	1.250		0.150		3.563	
		1	3.030		0.150		0.455	
		12	1.500		0.150		2.700	
	FIRST FLOOR							
	passage	1	12.780		0.100		1.278	
	Stair ; Step	19	0.450		0.100		0.856	
		1	3.030		0.100		0.303	
	Mid Landing	1	2.500		0.100		0.250	
		19	1.250		0.150		3.563	
		1	3.030		0.150		0.455	
	TERRACE FLOOR							
	Skirting- Stair case landing	1	5.210		0.100		0.521	
	Total Quantity						17.327 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						17.327 sqm	
	Say 17.327 sqm @ Rs 1796.94 / sqm						Rs 31135.58	
60	16.90 Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.							
	Ground Floor							
	Ramp	1	5.400	2.530			13.662	
	Total Quantity						13.662 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						13.662 sqm	

		Say 13.662 sqm @ Rs 2247.85 / sqm				Rs 30710.13	
61	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 - GF							
	Floor; House 1 - Toilet	1	1.380	1.970			2.719
	House 2 - Toilet	1	1.380	1.970			2.719
	House 3 - Toilet	1	1.530	1.970			3.015
	House 4 - Toilet	1	1.380	1.970			2.719
Toilet - FF							
	Floor; House 1 - Toilet	1	1.380	1.970			2.719
	House 2 - Toilet	1	1.380	1.970			2.719
	House 3 - Toilet	1	1.530	1.970			3.015
	House 4 - Toilet	1	1.380	1.970			2.719
Ground Floor							
	House 1; Living	1	3.200	3.270			10.464
	W/area	1	1.320	1.490			1.967
	Kitchen	1	3.540	1.580			5.594
	Bed Room 1	1	2.690	3.000			8.070
	Bed Room 2	1	2.570	3.000			7.710
	Bed area front	1	1.380	1.130			1.560
	House 2; Living	1	3.200	3.270			10.464
	W/area	1	1.320	1.490			1.967
	Kitchen	1	3.540	1.580			5.594
	Bed Room 1	1	2.690	3.000			8.070
	Bed Room 2	1	2.570	3.000			7.710
	Bed area front	1	1.380	1.130			1.560
	House 3; Living	1	3.200	3.270			10.464
	W/area	1	1.320	1.490			1.967
	Kitchen	1	3.540	1.580			5.594
	Bed Room 1	1	2.580	3.000			7.740
	Bed Room 2	1	2.530	3.000			7.590

	Bed area front	1	1.670	1.130			1.888		
	House 4; Living	1	3.200	3.270			10.464		
	W/area	1	1.320	1.490			1.967		
	Kitchen	1	3.540	1.580			5.594		
	Bed Room 1	1	2.690	3.000			8.070		
	Bed Room 2	1	2.570	3.000			7.710		
	Bed area front	1	1.380	1.130			1.560		
	FIRST FLOOR								
	House 1; Living	1	3.200	3.270			10.464		
	W/area	1	1.320	1.490			1.967		
	Kitchen	1	3.540	1.580			5.594		
	Bed Room 1	1	2.690	3.000			8.070		
	Bed Room 2	1	2.570	3.000			7.710		
	Bed area front	1	1.380	1.130			1.560		
	House 2; Living	1	3.200	3.270			10.464		
	W/area	1	1.320	1.490			1.967		
	Kitchen	1	3.540	1.580			5.594		
	Bed Room 1	1	2.690	3.000			8.070		
	Bed Room 2	1	2.570	3.000			7.710		
	Bed area front	1	1.380	1.130			1.560		
	House 3; Living	1	3.200	3.270			10.464		
	W/area	1	1.320	1.490			1.967		
	Kitchen	1	3.540	1.580			5.594		
	Bed Room 1	1	2.580	3.000			7.740		
	Bed Room 2	1	2.530	3.000			7.590		
	Bed area front	1	1.670	1.130			1.888		
	House 4; Living	1	3.200	3.270			10.464		
	W/area	1	1.320	1.490			1.967		
	Kitchen	1	3.540	1.580			5.594		
	Bed Room 1	1	2.690	3.000			8.070		
	Bed Room 2	1	2.570	3.000			7.710		
	Bed area front	1	1.380	1.130			1.560		
	Total Quantity							305.020 sqm	

		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					305.020 sqm	
		Say 305.020 sqm @ Rs 1077.43 / sqm					Rs 328637.70	
62	8.31 Providing and fixing 1st 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 Engineerin-Charge,in skirting, risers of steps and dados, over 12 mm thick bed of cementmortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @3.3kg per sqm, including pointing in white cement mixed with pigment of matchingshade complete.							
Toilet -Ground Floor								
	Toilet Wall; House 1 - Toilet	1	6.700		2.100		14.070	
	House 2 - Toilet	1	6.700		2.100		14.070	
	House 3 - Toilet	1	7.000		2.100		14.701	
	House 4 - Toilet	1	6.700		2.100		14.070	
	Wall ; Kitchen	4	4.180		0.450		7.524	
Deduction for opening								
	D1' 90x210	1	0.900		2.100		-1.890	
	D2 80x210	3	0.800		2.100		-5.040	
Toilet-First Floor								
	Wall; House 1 - Toilet	1	6.700		2.100		14.070	
	House 2 - Toilet	1	6.700		2.100		14.070	
	House 3 - Toilet	1	7.000		2.100		14.701	
	House 4 - Toilet	1	6.700		2.100		14.070	
First Floor-Deduction for opening								
	D2 80x210	4	0.800		2.100		-6.720	
Ground Floor								
	Skirting- House 1; Living	1	12.940		0.100		1.294	
	W/area	1	4.130		0.100		0.414	
	Kitchen	1	8.440		0.100		0.844	
	Bed Room 1	1	11.140		0.100		1.114	
	Bed Room 2	1	11.380		0.100		1.139	
	Bed area front	1	1.380		0.100		0.138	
	House 2; Living	1	12.940		0.100		1.294	

	W/area	1	4.130		0.100		0.414	
	Kitchen	1	8.440		0.100		0.844	
	Bed Room 1	1	11.060		0.100		1.106	
	Bed Room 2	1	11.060		0.100		1.106	
	Bed area front	1	1.670		0.100		0.167	
	House 3; Living	1	12.940		0.100		1.294	
	W/area	1	4.130		0.100		0.414	
	Kitchen	1	8.440		0.100		0.844	
	Bed Room 1	1	11.140		0.100		1.114	
	Bed Room 2	1	11.380		0.100		1.139	
	Bed area front	1	1.380		0.100		0.138	
	House 4; Living	1	12.940		0.100		1.294	
	W/area	1	4.130		0.100		0.414	
	Kitchen	1	8.440		0.100		0.844	
	Bed Room 1	1	11.140		0.100		1.114	
	Bed Room 2	1	11.380		0.100		1.139	
	Bed area front	1	1.380		0.100		0.138	
	Other Engineering Organisations FIRST FLOOR							
	Skirting- House 1; Living	1	12.940		0.100		1.294	
	W/area	1	4.130		0.100		0.414	
	Kitchen	1	8.440		0.100		0.844	
	Bed Room 1	1	11.140		0.100		1.114	
	Bed Room 2	1	11.380		0.100		1.139	
	Bed area front	1	1.380		0.100		0.138	
	House 2; Living	1	12.940		0.100		1.294	
	W/area	1	4.130		0.100		0.414	
	Kitchen	1	8.440		0.100		0.844	
	Bed Room 1	1	11.060		0.100		1.106	
	Bed Room 2	1	11.060		0.100		1.106	
	Bed area front	1	1.670		0.100		0.167	
	House 3; Living	1	12.940		0.100		1.294	
	W/area	1	4.130		0.100		0.414	

	Kitchen	1	8.440		0.100		0.844		
	Bed Room 1	1	11.140		0.100		1.114		
	Bed Room 2	1	11.380		0.100		1.139		
	Bed area front	1	1.380		0.100		0.138		
	House 4; Living	1	12.940		0.100		1.294		
	W/area	1	4.130		0.100		0.414		
	Kitchen	1	8.440		0.100		0.844		
	Bed Room 1	1	11.140		0.100		1.114		
	Bed Room 2	1	11.380		0.100		1.139		
	Bed area front	1	1.380		0.100		0.138		
	Total Quantity						160.866 sqm		
	Total Deducted Quantity						-13.650 sqm		
	Net Total Quantity						147.216 sqm		
	Say 147.216 sqm @ Rs 1197.67 / sqm						Rs 176316.19		
63	od166466/2022_2023 Providing PVC Tile beading in the edges and corners of tile work including cost conveyance labour charges etc complete.								
	GROUND FLOOR								
	Edge beading	16			2.100		33.600		
	FIRST FLOOR								
	Edge beading	16			2.100		33.600		
	Total Quantity						67.200 metre		
	Total Deducted Quantity						0.000 metre		
	Net Total Quantity						67.200 metre		
	Say 67.200 metre @ Rs 58.03 / metre						Rs 3899.62		
64	10.26.1 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.M.S. tube								
	Ground Floor								
	Stair	1	7.214			12.0	86.569		
	Ramp	2	1.580			12.0	37.920		
	First Floor								
	Stair	1	10.264			12.0	123.168		
	Passage 250 wide	1	2.500			12.0	30.000		

	Balcony	4	1.500			12.0	72.000		
	Total Quantity						349.657 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						349.657 kg		
	Say 349.657 kg @ Rs 169.32 / kg						Rs 59203.92		
65	10.26.3 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.G.I. pipes								
	Ground Floor								
	Stair	1	7.214			7.0	50.499		
	Ramp	2	1.580			7.0	22.120		
	First Floor								
	Stair	1	10.264			7.0	71.848		
	Passage	1	2.500			7.0	17.500		
	Balcony	4	1.500			7.0	42.000		
	Total Quantity						203.967 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						203.967 kg		
	Say 203.967 kg @ Rs 183.71 / kg						Rs 37470.78		
66	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer								
	Ground Floor								
	Quantity same as plastering	1	1199.690				1199.690		
	First Floor								
	Quantity same as plastering	1	1140.990				1140.990		
	Terrace Floor								
	Quantity same as plastering	1	297.882				297.882		
	Total Quantity						2638.562 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						2638.562 sqm		
	Say 2638.562 sqm @ Rs 69.76 / sqm						Rs 184066.09		

67	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							
Ground Floor								
	Quantity same as Cement primer	1	1199.690				1199.690	
First Floor								
	Quantity same as Cement primer	1	1140.990				1140.990	
Terrace Floor								
	Quantity same as Cement primer	1	297.882				297.882	
Total Quantity							2638.562 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							2638.562 sqm	
Say 2638.562 sqm @ Rs 149.50 / sqm							Rs 394465.02	
68	13.62.1 Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture							
Ground Floor								
	Window; W1 60x150	8	0.600		1.500		7.200	
	W2 120x150	12	1.200		1.500		21.600	
	W2' 100x110	4	1.000		1.100		4.400	
	W3 180x150	1	1.800		1.500		2.700	
	Ventilator; V 60x60	4	0.600		0.600		1.440	
	Hand rail; Stair	1	7.214		1.200		8.657	
	Ramp	2	1.580		1.200		3.792	
First Floor								
	Window; W1 60x150	8	0.600		1.500		7.200	
	W2 120x150	12	1.200		1.500		21.600	
	W2' 100x110	4	1.000		1.100		4.400	
	W3 180x150	1	1.800		1.500		2.700	
	Ventilator; V 60x60	4	0.600		0.600		1.440	
	Hand rail; Stair	1	10.264		1.200		12.317	

	passage	1	2.500		1.200		3.000	
	Balcony	4	1.500		1.200		7.200	
	Terrace Floor							
	MS Door; D4 120x210	1	1.200		2.100	2.25	5.670	
	Window; W3 180x150	1	1.800		1.500		2.700	
	Total Quantity						118.016 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						118.016 sqm	
	Say 118.016 sqm @ Rs 205.94 / sqm						Rs 24304.22	
Sl No	Description	No	L	B	D	CF	Quantity	Remark
2 Type B - Civil Works								
1	2.28.1 Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.All kinds of soil							
	GROUND FLOOR							
		1	18.030	8.500			153.255	
	Total Quantity						153.255 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						153.255 sqm	
	Say 153.255 sqm @ Rs 28.32 / sqm						Rs 4340.18	
2	2.9.1 Excavation work 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 soils as directed, within a lead of 50 m.Ordinary rock							
	GROUND FLOOR (80% considered)							
	DR Foundation - Section A-A (Outer walls)	1	47.550	1.300	0.700	0.8	34.617	
	Section B-B	1	17.650	1.300	0.700	0.8	12.850	
	Section C-C	1	1.320	1.300	0.550	0.8	0.756	
	Section D-D	1	3.730	1.250	0.700	0.8	2.611	
	For step & Ramp - Ramp	1	5.400	0.800	0.700	0.8	2.420	
		2	1.200	0.800	0.700	0.8	1.076	
	Steps	1	3.160	0.700	0.250	0.8	0.443	

	Step to Pantry	1	1.400	0.700	0.250	0.8	0.196	
	Total Quantity						54.969 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						54.969 cum	
	Say 54.969 cum @ Rs 520.94 / cum						Rs 28635.55	
3	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							
	GROUND FLOOR							
	DR Foundation - Section A-A (Outer walls)	1	47.550	1.300	0.700	0.2	8.655	
	Section B-B	1	17.650	1.300	0.700	0.2	3.213	
	Section C-C	1	1.320	1.300	0.550	0.2	0.189	
	Section D-D	1	3.730	1.250	0.700	0.2	0.653	
	For step & Ramp - Ramp	1	5.400	0.800	0.700	0.2	0.605	
		2	1.200	0.800	0.700	0.2	0.269	
	Steps	1	3.160	0.700	0.250	0.2	0.111	
	Step to Pantry	1	1.400	0.700	0.250	0.2	0.049	
	Total Quantity						13.744 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						13.744 cum	
	Say 13.744 cum @ Rs 293.24 / cum						Rs 4030.29	
4	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)							
	GROUND FLOOR							
	For step & Ramp - Ramp	1	5.400	0.800	0.100		0.433	
		2	1.200	0.800	0.100		0.192	
	Steps	1	3.160	0.700	0.100		0.222	
	Step to Pantry	1	1.400	0.700	0.100		0.098	

	Flooring - Play school and Pantry	1	37.010		0.075		2.776	Area
	D.Toilet	1	2.030	1.580	0.075		0.241	
	Passage and stair bottom	1	2.530	7.880	0.075		1.496	
	Recreation Room	1	41.120	3.000	0.075		9.252	
	Ramp	1	5.400	1.200	0.100		0.649	
	Total Quantity						15.359 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						15.359 cum	
	Say 15.359 cum @ Rs 6729.95 / cum						Rs 103365.30	
5	4.3.1 Centering and shuttering including strutting, propping etc. and removal of form work for:Foundations, footings, bases for columns							
	GROUND FLOOR							
	For step & Ramp - Ramp	2	5.400		0.100		1.080	
		4	1.200		0.100		0.480	
	Steps	2	3.160		0.100		0.633	
	Step to Pantry	2	1.400		0.100		0.280	
	Total Quantity						2.473 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						2.473 sqm	
	Say 2.473 sqm @ Rs 331.13 / sqm						Rs 818.88	
6	60.7.1 DRY RUBBLE MASONRY _ Dry rubble without concrete levelling course masonry with good quality blasted rubble including packing to compactness to lines and levels cost and conveyance of all materials labour charges etc. complete as per direction of Departmental officers at site							
	GROUND FLOOR							
	DR Foundation-Section A-A (Outer walls)	1	47.550	0.500	0.450		10.699	
	Section B-B	1	17.650	0.500	0.450		3.972	
	Section C-C	1	1.320	0.500	0.450		0.298	
	Section D-D	1	3.730	0.450	0.450		0.756	

	For step & Ramp-Ramp	1	5.400	0.600	0.600		1.944	
		2	1.200	0.600	0.600		0.864	
	Total Quantity						18.533 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						18.533 cum	
	Say 18.533 cum @ Rs 3447.98 / cum						Rs 63901.41	
7	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)							
	GROUND FLOOR							
	DR Foundation- Section A-A (Outer walls)	1	47.550	0.450	0.450		9.629	
	Section B-B	1	17.650	0.450	0.450		3.575	
	Section C-C	1	1.320	0.450	0.300		0.179	
	Section D-D	1	3.730	0.450	0.450		0.756	
	For step & Ramp-Ramp	1	5.400	0.400	0.230		0.497	
		1	1.200	0.400	0.450		0.216	
	Total Quantity						14.852 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						14.852 cum	
	Say 14.852 cum @ Rs 7114.98 / cum						Rs 105671.68	
8	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)							
	GROUND FLOOR							
	RCC belt - Section A-A (Outer walls)	1	47.550	0.200	0.150		1.427	
	Section B-B	1	17.650	0.200	0.150		0.530	
	Section C-C	1	1.320	0.200	0.150		0.040	
	Section D-D	1	3.730	0.200	0.150		0.112	
	Total Quantity						2.109 cum	

		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					2.109 cum	
		Say 2.109 cum @ Rs 8971.90 / cum					Rs 18921.74	
9	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, with 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).							
GROUND FLOOR - BEAM and LINTELS								
	Horizontal B 200x200	1	2.530	0.200	0.100		0.051	
		1	3.830	0.200	0.100		0.077	
		2	1.950	0.200	0.100		0.079	
		2	0.650	0.200	0.100		0.027	
	B 200x350	1	5.160	0.200	0.250		0.258	
		1	6.940	0.200	0.250		0.348	
		2	1.380	0.200	0.250		0.138	
		2	1.100	0.200	0.250		0.111	
	Vertical - B 200x350	4	3.000	0.200	0.250		0.601	
		2	3.270	0.200	0.250		0.327	
	B 200x200	2	1.490	0.200	0.100		0.060	
		4	1.100	0.200	0.100		0.089	
	LINTELS - Lintel 200x150- Section A-A (Outer walls)	1	47.550	0.200	0.150		1.427	
	Section B-B	1	17.650	0.200	0.150		0.530	
GROUND FLOOR - SLAB								
	100 mm thick Slab	1	120.460		0.100		12.046	Area
	Sunken slab	2	1.380	1.970	0.050		0.272	Area
	Pantry counter slab	1	4.070	0.600	0.100		0.245	
GROUND FLOOR - SLAB - DEDUCTION								
	Stair	1	9.540		0.100		-0.954	Area
GROUND FLOOR - STAIR								
	Stair steps - tread	17	1.250	0.300	0.150		0.957	
	Stair steps - riser	21	1.250	0.150	0.150		0.591	
	Tread	2	0.780		0.150		0.234	Area

	Landing slab	1	1.250	1.250	0.150		0.235	
	Landing Beam 200x300	1	2.500	0.200	0.150		0.075	
GROUND FLOOR - SUNSHADE								
	Back	1	14.400	0.600	0.100		0.865	
	Sides	1	3.880	0.600	0.100		0.233	
		1	3.980	0.600	0.100		0.239	
	Front	1	3.560	0.600	0.100		0.214	
		1	1.600	0.600	0.100		0.096	
FIRST FLOOR - BEAM and LINTELS								
	Horizontal - B 200x200	2	2.580	0.200	0.080		0.083	
		2	2.530	0.200	0.080		0.081	
		1	3.830	0.200	0.080		0.062	
		2	0.650	0.200	0.080		0.021	
		2	1.100	0.200	0.080		0.036	
	Vertical - B 200x200	2	1.600	0.200	0.080		0.052	
		2	1.270	0.200	0.080		0.041	
		2	1.490	0.200	0.080		0.048	
	LINTELS Lintel 200x150 Outer walls	1	50.830	0.200	0.150		1.525	
	Inner walls	1	28.140	0.200	0.150		0.845	
	Lintel 100x150 - Inside 10cm thick walls (Sec CC)	1	8.760	0.100	0.150		0.132	
FIRST FLOOR - SLAB								
	120 mm thick Slab	1	120.460		0.120		14.456	Area
	Kitchen slab	2	3.600	0.600	0.100		0.433	
FIRST FLOOR - SLAB - DEDUCTION								
	Stair	1	2.530	4.570	0.120		-1.387	
FIRST FLOOR - STAIR								
	Stair steps - tread	17	1.250	0.300	0.150		0.957	
	Stair steps - riser	21	1.250	0.150	0.150		0.591	
		2	0.780		0.150		0.234	Area

	Landing slab	1	1.250	1.250	0.150		0.235	
	Landing Beam 200x300	1	2.500	0.200	0.150		0.075	
FIRST FLOOR - SUNSHADE								
	Back	1	15.140	0.600	0.100		0.909	
	Sides	2	2.630	0.600	0.100		0.316	
TERRAE FLOOR - BEAM & LINTELS								
	Beam - B 200x200	1	2.530	0.200	0.080		0.041	
		2	0.650	0.200	0.080		0.021	
	Lintel(200x150)	2	5.660	0.200	0.150		0.340	
		1	2.930	0.200	0.150		0.088	
TERRACE FLOOR - SLAB								
	Roof Slab	1	2.930	6.080	0.200		3.563	
Total Quantity							45.610 cum	
Total Deducted Quantity							-2.341 cum	
Net Total Quantity							43.269 cum	
Say 43.269 cum @ Rs 11349.63 / cum							Rs 491087.14	
10	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers							
GROUND FLOOR- RCC BELT								
	RCC belt - Section A-A (Outer walls)	1	47.550		0.300		14.265	
	Section B-B	1	17.650		0.300		5.295	
	Section C-C	1	1.320		0.300		0.396	
	Section D-D	1	3.730		0.300		1.119	
GROUND FLOOR - BEAM								
	Horizontal B 200x200	1	2.530		0.400		1.012	
		1	3.830		0.400		1.532	
		2	1.950		0.400		1.560	
		2	0.650		0.400		0.520	
	B 200x350	1	5.160		0.700		3.612	
		1	6.940		0.700		4.858	
		2	1.380		0.700		1.932	

		2	1.100		0.700		1.540	
	Vertical - B 200x350	4	3.000		0.700		8.400	
		2	3.270		0.700		4.578	
	B 200x200	2	1.490		0.400		1.192	
		4	1.100		0.400		1.761	
	Landing Beam 200x300	1	2.500		0.500		1.250	
	LINTELS - Lintel 200x150- Section A-A (Outer walls)	1	47.550		0.500		23.775	
	Section B-B	1	17.650		0.500		8.825	
FIRST FLOOR - BEAM AND LINTELS								
	Horizontal - B 200x200	2	2.580		0.360		1.858	
		2	2.530		0.360		1.822	
		1	3.830		0.360		1.379	
		2	0.650		0.360		0.468	
		2	1.100		0.360		0.792	
	Vertical - B 200x200	2	1.600		0.360		1.152	
		2	1.270		0.360		0.915	
		2	1.490		0.360		1.073	
	Landing Beam 200x300	1	2.500		0.500		1.250	
	LINTELS Lintel 200x150 Outer walls	1	50.830		0.500		25.415	
	Inner walls	1	28.140		0.500		14.070	
	Lintel 100x150 - Inside 10cm thick walls (Sec CC)	1	8.760		0.400		3.504	
TERRAE FLOOR - BEAM & LINTELS								
	Beam - B 200x200	1	2.530		0.360		0.911	
		2	0.650		0.360		0.468	
	Lintel(200x150)	2	5.660		0.500		5.660	
		1	2.930		0.500		1.465	
Total Quantity							149.624 sqm	

		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					149.624 sqm	
		Say 149.624 sqm @ Rs 641.72 / sqm					Rs 96016.71	
11	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform							
GROUND FLOOR - SLAB								
	100 mm thick Slab	1	120.460				120.460	Area
	Landing slab	1	1.250	1.250			1.563	
	Pantry counter slab	1	4.070	0.600			2.442	
GROUND FLOOR - SLAB - DEDUCTION								
	Stair	1	9.540				-9.540	
FIRST FLOOR - SLAB								
	120 mm thick Slab	1	120.460				120.460	Area
	Landing slab	1	1.250	1.250			1.563	
	Kitchen slab	2	3.600	0.600			4.320	
FIRST FLOOR - SLAB - DEDUCTION								
	Stair	1	2.530	4.570			-11.562	
TERRACE FLOOR - SLAB								
	Roof Slab	1	2.930	6.080			17.815	
		Total Quantity					268.623 sqm	
		Total Deducted Quantity					-21.102 sqm	
		Net Total Quantity					247.521 sqm	
		Say 247.521 sqm @ Rs 805.61 / sqm					Rs 199405.39	
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							
GROUND FLOOR								
	slab egdes	1	49.760				49.760	
	Stair	1	14.190				14.190	
	Landing slab edge	1	2.500				2.500	
	Kitchen slab	1	5.270				5.270	
FIRST FLOOR								
	slab egdes	1	49.760				49.760	

	Stair	1	14.200				14.200	
	Landing slab edge	1	2.500				2.500	
	Kitchen slab	2	4.210				8.420	
TERRACE FLOOR								
	Roof Slab	1	18.020				18.020	
							Total Quantity	164.620 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	164.620 metre
							Say 164.620 metre @ Rs 201.39 / metre	Rs 33152.82
13	5.9.7 Centering and shuttering including strutting, etc. and removal of form for:Stairs, (excluding landings) except spiral - staircases)							
GROUND FLOOR								
	Stair - Stair steps bottom	38	1.250	0.150			7.125	
		17	1.250	0.300			6.375	
		2	0.780				1.560	Area
	Step sides	42	0.450		0.150		2.835	
		2	3.030		0.150		0.909	
FIRST FLOOR								
	Stair - Stair steps bottom	38	1.250	0.150			7.125	
		17	1.250	0.300			6.375	
		2	0.780				1.560	Area
	Step sides	42	0.450		0.150		2.835	
		2	3.030		0.150		0.909	
							Total Quantity	37.608 sqm
							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	37.608 sqm
							Say 37.608 sqm @ Rs 723.39 / sqm	Rs 27205.25
14	5.9.19 Centering and shuttering including strutting, etc. and removal of form for:Weather shade, Chajjas, corbels etc., including edges							
GROUND FLOOR - SUNSHADE								
	Back	1	14.400		0.700		10.080	

	Sides	1	3.880		0.700		2.716	
		1	3.980		0.700		2.786	
	Front	1	3.560		0.700		2.492	
		1	1.600		0.700		1.120	
FIRST FLOOR - SUNSHADE								
	Sunshade	1	15.140		0.700		10.598	
		2	2.630		0.700		3.682	
Total Quantity							33.474 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							33.474 sqm	
Say 33.474 sqm @ Rs 891.31 / sqm							Rs 29835.71	
15	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							
GROUND FLOOR								
	For RCC belt	1	2.1075			110.0	231.825	
	For Beam	1	2.1588			185.0	399.378	
	For Slab	1	11.60806			75.0	870.605	
	For Stair	1	2.093			120.0	251.160	
	For Lintel	1	1.956			100.0	195.600	
	For Sunshade	1	1.6452			60.0	98.712	
FIRST FLOOR								
	For Beam	1	0.42032			185.0	77.760	
	For Slab	1	13.499748			75.0	1012.482	
	For Stair	1	2.0903			120.0	250.836	
	For Lintel	1	2.5005			100.0	250.050	
	For Sunshade	1	1.224			60.0	73.440	
TERRACE FLOOR								
	Slab	1	3.562294			75.0	267.173	
	Lintel	1	0.42774			100.0	42.774	
	For Beam	1	0.06128			185.0	11.337	
Total Quantity							4033.132 kilogram	
Total Deducted Quantity							0.000 kilogram	

	Net Total Quantity						4033.132 kilogram	
	Say 4033.132 kilogram @ Rs 97.08 / kilogram						Rs 391536.45	
16	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.							
	GROUND FLOOR							
	60% of cut earth	1	68.460			0.6	41.076	
	Total Quantity						41.076 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						41.076 cum	
	Say 41.076 cum @ Rs 255.35 / cum						Rs 10488.76	
17	50.2.25.1 Filling with contractor's own earth (excluding rock) in trenches, plinth, sides of foundations 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 as per direction of site Engineer-in-charge							
	GROUND FLOOR							
	Excavated quantity	1	68.460				68.460	
	Plinth filling quantity - Play school and Pantry	1	37.010		0.450		16.655	Area
	D.Toilet	1	2.030	1.580	0.450		1.444	
	Passage and stair bottom	1	2.530	7.880	0.450		8.972	
	Recreation Room	1	41.120		0.450		18.504	
	Ramp	1	5.400	1.200	0.230		1.491	
	GROUND FLOOR - DEDUCTION							
	PCC	1	0.850				-0.850	
	DR masonry	1	18.530				-18.530	
	RR masonry up to ground level	1	4.740				-4.740	
	Cut earth filling	1	41.080				-41.080	
	Total Quantity						115.526 cum	
	Total Deducted Quantity						-65.200 cum	
	Net Total Quantity						50.326 cum	
	Say 50.326 cum @ Rs 519.26 / cum						Rs 26132.28	

18	4.11 Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4(1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).							
GROUND FLOOR								
	Section A-A (Outer walls)	1	47.550		0.600		28.530	
	Section B-B	1	17.650		0.600		10.590	
Total Quantity							39.120 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							39.120 sqm	
Say 39.120 sqm @ Rs 486.93 / sqm							Rs 19048.70	
19	od166455/2022_2023 Modified 4.13 Applying a coat of Inertol Poxitar Coal tar epoxy coating per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil. 							
GROUND FLOOR								
	DPC 50mm thick	1	39.120				39.120	
Total Quantity							39.120 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							39.120 sqm	
Say 39.120 sqm @ Rs 281.38 / sqm							Rs 11007.59	
20	od166456/2022_2023 OD Applying Antitermite treatment on flooring using emidoclocrid chemical which is ecofriendly and nil harm ful for human beings and pet animals which control the pests including all cost and labour charges etc complete 							
GROUND FLOOR								
	Play school and Pantry	1	37.010				37.010	Area
	D.Toilet	1	2.030	1.580			3.208	
	Passage and stair bottom	1	2.530	7.880			19.937	
	Recreation Room	1	41.120				41.120	Area
	Ramp	1	5.400	1.200			6.480	
Total Quantity							107.755 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							107.755 sqm	

	Say 107.755 sqm @ Rs 127.77 / sqm						Rs 13767.86	
21	50.6.7.1 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for foundation and basement including all cost of materials, labour charges etc.							
	GROUND FLOOR							
	For steps	1	2.960	0.600	0.250		0.444	
		1	2.960	0.300	0.150		0.134	
	Step to Pantry	1	1.200	0.600	0.250		0.180	
		1	1.200	0.300	0.150		0.054	
	Total Quantity						0.812 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.812 cum	
	Say 0.812 cum @ Rs 7159.07 / cum						Rs 5813.16	
22	50.6.7.2 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for super structure above plinth level up to floor two level including all cost of materials, labour charges etc.							
	GROUND FLOOR							
	Masonry 20cm thick walls - Section A-A (Outer walls)	1	47.550	0.200	2.900		27.579	
	Section B-B	1	17.650	0.200	2.900		10.237	
	GROUND FLOOR - DEDUCTION							
	D/W 100x210	3	1.000	0.200	2.100		-1.260	
	D1' 90x210	1	0.900	0.200	2.100		-0.378	
	W1 60x150	4	0.600	0.200	1.500		-0.720	
	W2 120x150	8	1.200	0.200	1.500		-2.880	
	W2' 100x110	2	1.000	0.200	1.100		-0.440	
	W3 180x150	1	1.800	0.200	1.500		-0.540	
	V 60x60	1	0.600	0.200	0.600		-0.072	
	Deduction for beam quantity	1	2.160				-2.160	
	FIRST FLOOR							
	Masonry 20cm thick walls - Section A-A (Outer walls)	1	50.830	0.200	2.880		29.279	

	Section B-B	1	28.140	0.200	2.880		16.209		
	FIRST FLOOR - DEDUCTION								
	D/W 100x210	2	1.000	0.200	2.100		-0.840		
	D1 90x210	4	0.900	0.200	2.100		-1.512		
	W1 60x150	4	0.600	0.200	1.500		-0.720		
	W2 120x150	6	1.200	0.200	1.500		-2.160		
	W2' 100x110	2	1.000	0.200	1.100		-0.440		
	W3 180x150	1	1.800	0.200	1.500		-0.540		
	V 60x60	2	0.600	0.200	0.600		-0.144		
	Opening at living and Bed	2	1.350	0.200	2.100		-1.134		
	Handrail	1	2.500	0.200	1.200		-0.600		
	Deduction for beam quantity	1	0.130				-0.130		
	Total Quantity						83.304 cum		
	Total Deducted Quantity						-16.670 cum		
	Net Total Quantity						66.634 cum		
	Say 66.634 cum @ Rs 7896.99 / cum						Rs 526208.03		
23	50.6.7.3 Laterate masonry with neatly dressed laterate stone of size 40x20x15 cm or nearest size in cement mortar 1:6 for superstructure above floor two level upto floor five level including all cost of materials, labour charges etc.								
	TERRACE FLOOR								
	Stair head room	2	6.080	0.200	2.350		5.716		
		2	2.530	0.200	2.500		2.531		
	TERRACE FLOOR - DEDUCTION								
	D4 120x210	1	1.200	0.200	2.100		-0.504		
	W3 180x150	1	1.800	0.200	1.500		-0.540		
	Total Quantity						8.247 cum		
	Total Deducted Quantity						-1.044 cum		
	Net Total Quantity						7.203 cum		
	Say 7.203 cum @ Rs 8877.61 / cum						Rs 63945.42		
24	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								
	FIRST FLOOR								
	Masonry 10cm thick walls - Inside walls	1	8.760	0.100	2.880		2.523		
	FIRST FLOOR - DEDUCTION								
	D1 90x210	2	0.900	0.100	2.100		-0.378		
	D2 80x210	2	0.800	0.100	2.100		-0.336		
	Deduction for beam quantity	1	0.280				-0.280		
	Total Quantity						2.523 cum		
	Total Deducted Quantity						-0.994 cum		
	Net Total Quantity						1.529 cum		
	Say 1.529 cum @ Rs 7769.76 / cum						Rs 11879.96		
25	od166457/2022_2023 Modified 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 from floor two level to Level 5 for 10 cm thick wall in : CM 1:6 (1 cement : 6 coarse sand) including cost of scaffolding complete 								
	TERRACE FLOOR								
	Parapet wall	1	45.372	0.100	1.200		5.445		
	Total Quantity						5.445 cum		
	Total Deducted Quantity						0.000 cum		
	Net Total Quantity						5.445 cum		
	Say 5.445 cum @ Rs 8750.38 / cum						Rs 47645.82		
26	13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)								
	GROUND FLOOR								
	Exterior walls - Outer walls	1	49.420		0.450		22.239		
		1	48.220		3.150		151.893		
	Ramp sides	1	5.400		0.230		1.243		
	Interior walls - Play school and Pantry	1	28.200		3.050		86.010		
	D.Toilet	1	7.220		3.050		22.021		
	Stair and Passage	1	15.890		3.050		48.465		
	Recreation Room	1	26.820		3.050		81.801		

GROUND FLOOR - DEDUCTION								
D/W 100x210	3	1.000		2.100			-6.300	
D1' 90x210	1	0.900		2.100			-1.890	
W1 60x150	4	0.600		1.500			-3.599	
W2 120x150	8	1.200		1.500			-14.399	
W2' 100x110	2	1.000		1.100			-2.200	
W3 180x150	1	1.800		1.500			-2.700	
V 60x60	1	0.600		0.600			-0.360	
Wall tile	1	13.270					-13.270	
FIRST FLOOR								
Exterior walls - Outer walls	1	48.280		3.150			152.082	
Interior walls - House 1 - Living cum dining	1	12.820		3.030			38.845	
W/area	2	1.500		3.030			9.090	
Kitchen	1	10.120		3.030			30.664	
Bed Room 1	1	11.260		3.030			34.118	
Bed room 2	1	11.020		3.030			33.391	
Toilet	1	6.580		3.030			19.938	
Bed area front	1	7.260		3.030			21.998	
House 2 - Living cum dining	1	12.820		3.030			38.845	
W/area	1	1.500		3.030			4.545	
Kitchen	1	10.120		3.030			30.664	
Bed Room 1	1	11.260		3.030			34.118	
Bed room 2	1	11.020		3.030			33.391	
Toilet	1	6.580		3.030			19.938	
Bed area front	1	7.260		3.030			21.998	
Stair area cum passage	1	15.880		3.030			48.117	
FIRST FLOOR - DEDUCTION								
Deduction for openings - D/W 100x210	2	1.000		2.100			-4.200	
D1 90x210	6	0.900		2.100			-11.340	

	W1 60x150	4	0.600		1.500		-3.599		
	W2 120x150	6	1.200		1.500		-10.799		
	W2' 100x110	2	1.000		1.100		-2.200		
	W3 180x150	1	1.800		1.500		-2.700		
	V 60x60	2	0.600		0.600		-0.720		
	Opening at living and Bed	2	1.350		2.100		-5.670		
	Opening at kitchen and Bed	2	1.100		2.100		-4.620		
	Wall tile	1	24.780				-24.780		
	RCC board	2	1.630		2.950		-9.617		
TERRACE FLOOR									
	External walls Head room	1	18.020		2.700		48.654		
	Internal walls - Head room	1	16.390		2.500		40.975		
	Parapet wall	1	45.372		2.500		113.430		
TERRACE FLOOR - DEDUCTION									
	D4 120x210	1	1.200		2.100		-2.520		
	W3 180x150	1	1.800		1.500		-2.700		
	Total Quantity						1188.473 sqm		
	Total Deducted Quantity						-130.183 sqm		
	Net Total Quantity						1058.290 sqm		
	Say 1058.290 sqm @ Rs 310.18 / sqm						Rs 328260.39		
27	50.13.1 9 mm cement plastering of mix : 1:3 (1 cement : 3 fine sand) including all cost of materials, labour charges etc complete								
GROUND FLOOR									
	Ceiling - Roof slab	1	120.460				120.460	Area	
	Kitchen slab	1	4.070	0.600			2.442		
	Sunshade - Back	1	14.400		1.300		18.721		
	Sides	1	3.880		1.300		5.044		
		1	3.980		1.300		5.174		
	Front	1	3.560		1.300		4.628		
		1	1.600		1.300		2.080		

	Beam side Plastering - B 200x350	4	3.000		0.200		2.401	
		2	3.270		0.200		1.308	
	B 200x200	1	2.530		0.200		0.506	
	Stair - Step bottom	19	1.250	0.150			3.563	
		17	1.250	0.300			6.375	
		2	0.780				1.560	Area
		1	1.250		0.150		0.188	
		1	1.790		0.150		0.269	
	Sides	17	0.450		0.150		1.148	
	Landing slab bottom	1	1.250	1.250			1.563	
GROUND FLOOR - DEDUCTION								
	Stair	1	9.650				-9.650	Area
	Deduct 20cm thick wall	1	65.200	0.200			-13.040	
FIRST FLOOR								
	Ceiling - Roof slab	1	120.460				120.460	Area
	Kitchen slab	1	3.600	0.700			2.520	
	Sunshade - Back	1	15.140		1.300		19.683	
	Sides	2	2.630		1.300		6.838	
	Beam side Plastering - B 200x350	4	3.000		0.200		2.401	
		2	3.270		0.200		1.308	
	B 200x200	1	2.530		0.200		0.506	
	Stair - Step bottom	19	1.250	0.150			3.563	
		17	1.250	0.300			6.375	
		2	0.780				1.560	Area
		1	1.250		0.150		0.188	
		1	1.790		0.150		0.269	
	Sides	17	0.450		0.150		1.148	
	Landing slab bottom	1	1.250	1.250			1.563	
FIRST FLOOR - DEDUCTION								
	Deduct 20cm thick wall	1	78.970	0.200			-15.794	

	Stair	1	9.650				-9.650	
	Deduct 10cm thick wall	1	8.760	0.100			-0.876	
TERRACE FLOOR								
	Roof Slab	1	2.930	6.079			17.812	
TERRACE FLOOR - DEDUCTION								
	Deduct wall length	1	18.020	0.200			-3.604	
Total Quantity							363.624 sqm	
Total Deducted Quantity							-52.614 sqm	
Net Total Quantity							311.010 sqm	
Say 311.010 sqm @ Rs 287.68 / sqm							Rs 89471.36	
28	22.5 Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg /sqm mixed with water proofing cement compound @ 0.126 kg/ sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.							
GROUND FLOOR								
	Floor - D.Toilet	1	2.030	1.580			3.208	
	Wall - D.Toilet	1	7.220		0.600		4.332	
GROUND FLOOR - DEDUCTION								
	Deduction for opening - D1' 90x210	1	0.900		0.600		-0.540	
FIRST FLOOR								
	Floor - House 1 - Toilet	1	1.380	1.970			2.719	
	House 2 - Toilet	1	1.380	1.970			2.719	
	Wall - House 1 - Toilet	1	6.700		0.600		4.020	
	House 2 - Toilet	1	6.700		0.600		4.020	
FIRST FLOOR - DEDUCTION								
	D2 80x210	2	0.800		0.600		-0.960	
Total Quantity							21.018 sqm	
Total Deducted Quantity							-1.500 sqm	
Net Total Quantity							19.518 sqm	

	Say 19.518 sqm @ Rs 541.22 / sqm						Rs 10563.53	
29	4.2.3 Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc. up to floor five level, excluding the cost of centering, shuttering and finishing:1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)							
	FIRST FLOOR							
	House 1 - Toilet	1	1.380	1.970	0.100		0.272	
	House 2 - Toilet	1	1.380	1.970	0.100		0.272	
	Total Quantity						0.544 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.544 cum	
	Say 0.544 cum @ Rs 9943.95 / cum						Rs 5409.51	
30	od166458/2022_2023 OD Supplying and filling with cinder under , ramming consolidating and dressing complete. including all cost of materials, labour charges etc complete 							
	FIRST FLOOR							
	House 1 - Toilet	1	1.380	1.970	0.150		0.408	
	House 2 - Toilet	1	1.380	1.970	0.150		0.408	
	Total Quantity						0.816 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.816 cum	
	Say 0.816 cum @ Rs 1967.17 / cum						Rs 1605.21	
31	5.30 Add for plaster drip course / groove in plastered surface or moulding to R.C.C. projections.							
	GROUND FLOOR							
	Horizontal groove between beam and masonry	1	29.070				29.070	
	FIRST FLOOR							
	Horizontal groove between beam and masonry	1	5.200				5.200	
	Total Quantity						34.270 metre	
	Total Deducted Quantity						0.000 metre	

	Net Total Quantity						34.270 metre	
	Say 34.270 metre @ Rs 68.42 / metre						Rs 2344.75	
32	od166459/2022_2023 OD Providing water cutting to bottom edge side of slab/sunshade by 25mm wide and 15mm thick in cement mortar 1:3 including cost and conveyance of all materials, labour charges etc complete 							
	GROUND FLOOR							
	Slab - Roof slab	1	49.760				49.760	
	Sunshade - Back	1	14.400				14.400	
	Sides	1	3.880				3.880	
		1	3.980				3.980	
	Front	1	3.560				3.560	
		1	1.600				1.600	
	FIRST FLOOR							
	Sunshade - Back	1	15.140				15.140	
	Sides	2	2.630				5.260	
	Roof slab	1	49.760				49.760	
	TERRACE FLOOR							
		1	18.020				18.020	
	Total Quantity						165.360 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						165.360 metre	
	Say 165.360 metre @ Rs 107.23 / metre						Rs 17731.55	
33	od166460/2022_2023 Modified 50.9.1.2 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 Pincoda wood 							
	GROUND FLOOR							
	D/W 100x210	3	1.300	0.075	0.125		0.037	
		6	1.950	0.075	0.125		0.110	
	W1 60x150	4	0.900	0.075	0.100		0.028	
		4	1.350	0.075	0.100		0.041	
	FIRST FLOOR							
	D/W 100x210	2	1.300	0.075	0.125		0.025	
		4	1.950	0.075	0.125		0.074	

	W1 60x150	4	0.900	0.075	0.100		0.028	
		4	1.350	0.075	0.100		0.041	
	Total Quantity						0.384 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.384 cum	
	Say 0.384 cum @ Rs 170864.21 / cum						Rs 65611.86	
34	od166461/2022_2023 Modified 50.9.3.2 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 Pincoda wood. 							
	GROUND FLOOR							
	D/W 100x210	3	0.850		2.025		5.164	
	W1 60x150	2	0.450		1.350		1.215	
	FIRST FLOOR							
	D/W 100x210	2	0.850		2.025		3.443	
	W1 60x150	2	0.450		1.350		1.215	
	Total Quantity						11.037 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						11.037 sqm	
	Say 11.037 sqm @ Rs 4194.52 / sqm						Rs 46294.92	
35	od166462/2022_2023 Modified 50.9.4.2 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 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 Pincoda wood 							
	GROUND FLOOR							
	D/W 100x210	3	0.700		1.800		3.781	
	FIRST FLOOR							
	D/W 100x210	2	0.700		1.800		2.520	
	Total Quantity						6.301 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						6.301 sqm	
	Say 6.301 sqm @ Rs 3736.33 / sqm						Rs 23542.62	
36	9.7.7.1 Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for							

	doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured), Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick:Float glass panes4 mm thick glass pane							
	GROUND FLOOR							
	Windows: W1 60x150	4	0.250		1.150		1.150	
	FIRST FLOOR							
	Windows: W1 60x150	2	0.250		1.150		0.575	
	Total Quantity						1.725 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1.725 sqm	
	Say 1.725 sqm @ Rs 2083.68 / sqm						Rs 3594.35	
37	50.9.15.4 Providing and fixing iron hooks and eyes: 150 mm							
	GROUND FLOOR							
	Windows: W1 60x150	6					6.000	
	FIRST FLOOR							
	Windows: W1 60x150	4					4.000	
	Total Quantity						10.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						10.000 no	
	Say 10.000 no @ Rs 16.46 / no						Rs 164.60	
38	9.74.3 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete:150x10 mm							
	GROUND FLOOR							
	Door - D/W 100x210	3					3.000	
	FIRST FLOOR							
	Door - D/W 100x210	2					2.000	
	Total Quantity						5.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						5.000 no	
	Say 5.000 no @ Rs 269.27 / no						Rs 1346.35	
39	9.74.4 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete:100x10 mm							

	GROUND FLOOR								
	Door - D/W 100x210	3					3.000		
	FIRST FLOOR								
	Door - D/W 100x210	2					2.000		
	Total Quantity						5.000	no	
	Total Deducted Quantity						0.000	no	
	Net Total Quantity						5.000	no	
	Say 5.000 no @ Rs 185.59 / no						Rs 927.95		
40	9.76 Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.								
	GROUND FLOOR								
	Door - D/W 100x210	3					3.000		
	FIRST FLOOR								
	Door - D/W 100x210	2					2.000		
	Total Quantity						5.000	no	
	Total Deducted Quantity						0.000	no	
	Net Total Quantity						5.000	no	
	Say 5.000 no @ Rs 828.57 / no						Rs 4142.85		
41	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)								
	GROUND FLOOR								
	Door - D/W 100x210	18					18.000		
	FIRST FLOOR								
	Door D/W 100x210	12					12.000		
	Total Quantity						30.000	each	
	Total Deducted Quantity						0.000	each	
	Net Total Quantity						30.000	each	
	Say 30.000 each @ Rs 208.35 / each						Rs 6250.50		
42	od166463/2022_2023 OD Melamine polishing on wood work (one or more coat) for new work 								
	GROUND FLOOR								
	D/W 100x210	3	1.000		2.100	2.6	16.381		

	W1 60x150	2	0.600		1.500	1.6	2.880	
	FIRST FLOOR							
	D/W 100x210	2	1.000		2.100	2.6	10.921	
	W1 60x150	2	0.600		1.500	1.6	2.880	
	Total Quantity						33.062 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						33.062 sqm	
	Say 33.062 sqm @ Rs 193.07 / sqm						Rs 6383.28	
43	od166464/2022_2023 OD Preparation of wood surface For melamine polish:Melamine polishing on wood work with two coats after preparing base rubbing and cleaning emery paper, filling holes and finishing the surface with ceiler and melamine ceiler two coats including all cost and labour charges etc. complete 							
	GROUND FLOOR							
	D/W 100x210	3	1.000		2.100	2.6	16.381	
	W1 60x150	2	0.600		1.500	1.6	2.880	
	FIRST FLOOR							
	D/W 100x210	2	1.000		2.100	2.6	10.921	
	W1 60x150	2	0.600		1.500	1.6	2.880	
	Total Quantity						33.062 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						33.062 sqm	
	Say 33.062 sqm @ Rs 306.00 / sqm						Rs 10116.97	
44	9.119 Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos. of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door fame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in Charge.							
	FIRST FLOOR							
	Toilet Door - D2 80x210	2	5.800				11.600	
	Total Quantity						11.600 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						11.600 metre	
	Say 11.600 metre @ Rs 455.26 / metre						Rs 5281.02	

45	9.120.1 Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and sized of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5mm thick, 95 mm wide PVC sheet out of which 75 mm shall be tapered in 45 degree on th inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mmx2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded /sealed to the styles & rails with 7 mm (5 mm + 2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer -in-charge, manufacture's specification & drawing.30 mm thick plain PVC door shutters							
FIRST FLOOR								
	Toilet Door - D2 80x210	2	0.800		2.100		3.361	
Total Quantity							3.361 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							3.361 sqm	
Say 3.361 sqm @ Rs 2816.99 / sqm							Rs 9467.90	
46	10.5.1 Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.Using M.S. angels 40x40x6 mm for diagonal braces							
TERRACE FLOOR								
	D4 120x210	1	1.200		2.100		2.520	
Total Quantity							2.520 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							2.520 sqm	
Say 2.520 sqm @ Rs 5147.32 / sqm							Rs 12971.25	
47	10.31 Providing and fixing angle iron frames for doors, windows and ventilators of mildsteel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall withdash fastener, including fixing of necessary butt hinges and screws and applying apriming coat of approved steel primer, all complete as per the direction ofEngineer In charge.							
TERRACE FLOOR								

	D4 120x210	1	6.600			3.5	23.100	
	Total Quantity						23.100 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						23.100 kg	
	Say 23.100 kg @ Rs 111.81 / kg						Rs 2582.81	
48	9.62.1 Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete:300x16 mm							
	TERRACE FLOOR							
		1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 213.10 / no						Rs 213.10	
49	9.63.3 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:150x10 mm							
	TERRACE FLOOR							
		1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 61.06 / no						Rs 61.06	
50	9.63.1 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:250x10 mm							
	TERRACE FLOOR							
		1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 86.16 / no						Rs 86.16	
51	5.47.1 Providing and fixing in position factory made precast RCC M-40 doors and win frames having excellent smooth finish as per IS:6523 with reinforcement of 3 Nos, 6 mm dia main bars tied with 3 mm M.S stirrups placed @ 200 mm CC nad 6 numbers high strength polymer blocks of required size for fixing							

	hinges including providing 6 no specially designed M.S galvanised sleeves for accomodating 6 mm dia fully threaded bolts for fixing hold fast on vertical members, providing suitable arrangement for receiving sliding door bolts and tower bolt etc all complete, as per the direction of Engineer in charge. (The cost of hold fast and cc block of 1:3:6 mix is also included in the item.) The frame shall be measured in running meter correct to two places of decimal.Door frame 125 mm x 60 mm.							
	GROUND FLOOR							
	Precast RCC frame for windows & doors - W1 60x150	2	4.200				8.400	
	W2 120x150	8	6.900				55.200	
	W2' 100x110	2	8.000				16.000	
	W3 180x150	1	9.600				9.600	
	Ventilator- V 60x60	1	2.400				2.400	
	FIRST FLOOR							
	Precast RCC frame for windows & doors- Window - W1 60x150	2	4.200				8.400	
	W2 120x150	4	6.900				27.600	
	W2' 100x110	2	5.300				10.600	
	W3 180x150	1	9.600				9.600	
	W4 120x100	2	5.400				10.800	
	Ventilator - V 60x60	2	2.400				4.800	
	Door - D1 90x210	6	5.100				30.600	
	TERRACE FLOOR							
	Window frame - W3 180x150	1	9.600				9.600	
	Total Quantity						203.600 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						203.600 metre	
	Say 203.600 metre @ Rs 757.00 / metre						Rs 154125.20	
52	21.1.1.3 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 portionPolyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)							
	GROUND FLOOR							
	D.Toilet Door - D1' 90x210	1	0.900		2.100	1.9	3.591	
	Total Quantity						3.591 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						3.591 kg	
	Say 3.591 kg @ Rs 540.22 / kg						Rs 1939.93	
53	od166465/2022_2023 Modified 21.2.2 Providing and fixing 4 mm thick ACP sheet 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. 							
	GROUND FLOOR							
	D.Toilet Door - D1' 90x210	1	0.900		2.100		1.891	
	Total Quantity						1.891 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1.891 sqm	
	Say 1.891 sqm @ Rs 2074.25 / sqm						Rs 3922.41	
54	21.1.2.3 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)Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)							
	GROUND FLOOR							
	Window - W1 60x150	2	0.600		1.500	4.8	8.640	
	W2 120x150	8	1.200		1.500	4.8	69.120	
	W2' 100x110	2	1.000		1.100	4.8	10.560	
	W3 180x150	1	1.800		1.500	4.8	12.960	
	Ventilator V 60x60	1	0.600		0.600	7.2	2.592	
	FIRST FLOOR							
	Window - W1 60x150	2	0.600		1.500	4.8	8.640	
	W2 120x150	4	1.200		1.500	4.8	34.560	
	W2' 100x110	2	1.000		1.100	4.8	10.560	
	W3 180x150	1	1.800		1.500	4.8	12.960	

	W4 120x100	2	1.200		1.000	4.8	11.520	
	Ventilator - V 60x60	2	0.600		0.600	7.2	5.184	
TERRACE FLOOR								
	Window frame - W3 180x150	1	1.800		1.500	4.8	12.960	
Total Quantity							200.256 kg	
Total Deducted Quantity							0.000 kg	
Net Total Quantity							200.256 kg	
Say 200.256 kg @ Rs 645.13 / kg							Rs 129191.15	
55	21.3.1 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 4.0 mm thickness							
GROUND FLOOR								
	Window - W1 60x150	2	0.600		1.500		1.800	
	W2 120x150	8	1.200		1.500		14.400	
	W2' 100x110	2	1.000		1.100		2.200	
	W3 180x150	1	1.800		1.500		2.700	
	Ventilator V 60x60	1	0.600		0.600		0.360	
FIRST FLOOR								
	Window W1 60x150	2	0.600		1.500		1.800	
	W2 120x150	4	1.200		1.500		7.200	
	W2' 100x110	2	1.000		1.100		2.200	
	W3 180x150	1	1.800		1.500		2.700	
	W4 120x100	2	1.200		1.000		2.400	
	Ventilator - V 60x60	2	0.600		0.600		0.720	
TERRACE FLOOR								
	W3 180x150	1	1.800		1.500		2.700	
Total Quantity							41.180 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							41.180 sqm	
Say 41.180 sqm @ Rs 1161.98 / sqm							Rs 47850.34	
56	9.100.1 Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10							

	as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:125 mm						
	GROUND FLOOR						
	Window - W1 60x150	2					2.000
	W2 120x150	16					16.000
	W2' 100x110	4					4.000
	W3 180x150	3					3.000
	FIRST FLOOR						
	Window W1 60x150	2					2.000
	W2 120x150	8					8.000
	W2' 100x110	4					4.000
	W3 180x150	3					3.000
	W4 120x100	4					4.000
	TERRACE FLOOR						
	W3 180x150	3					3.000
	Total Quantity						49.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						49.000 no
	Say 49.000 no @ Rs 69.29 / no						Rs 3395.21
57	9.48.1 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 steel windows by welding						
	GROUND FLOOR						
	Window - W1 60x150	4	0.600		1.500	20.0	72.000
	W2 120x150	8	1.200		1.500	20.0	288.000
	W2' 100x110	2	1.000		1.100	20.0	44.000
	W3 180x150	1	1.800		1.500	20.0	54.000
	Ventilator V 60x60	1	0.600		0.600	20.0	7.200
	FIRST FLOOR						
	Window W1 60x150	4	0.600		1.500	20.0	72.000
	W2 120x150	4	1.200		1.500	20.0	144.000
	W2' 100x110	2	1.000		1.100	20.0	44.000
	W3 180x150	1	1.800		1.500	20.0	54.000

	W4 120x100	2	1.200		1.000	20.0	48.000	
	Ventilator - V 60x60	2	0.600		0.600	20.0	14.400	
	TERRACE FLOOR							
	W3 180x150	1	1.800		1.500	20.0	54.000	
	Total Quantity						895.600 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						895.600 kg	
	Say 895.600 kg @ Rs 192.15 / kg						Rs 172089.54	
58	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.							
	GROUND FLOOR							
	Stair - Step	17	1.250	0.300			6.375	
		2	0.780				1.560	Area
	Mid Landing	1	1.250	1.250			1.563	
	Outer Steps	1	2.960		1.050		3.108	
	Step to Pantry	1	1.200		1.050		1.260	
	Kitchen slab	1	2.780	0.600			1.668	
		1	1.270	0.450			0.572	
	FIRST FLOOR							
	Passage	1	7.150				7.150	area
	Stair - Step	17	1.250	0.300			6.375	
		2	0.780				1.560	Area
	Mid Landing	1	1.250	1.250			1.563	
	Kitchen slab	2	3.600	0.600			4.320	
	TERRACE FLOOR							
	Stair case landing	1	2.530	1.340			3.391	
	Total Quantity						40.465 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						40.465 sqm	
	Say 40.465 sqm @ Rs 1744.25 / sqm						Rs 70581.08	
59	11.46.2							

	Providing and laying Vitrified tiles indifferent sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm							
	GROUND FLOOR							
	Stair skirting - Step	17	0.450		0.100		0.766	
		1	3.030		0.100		0.303	
	Mid Landing	1	2.500		0.100		0.250	
	Rise	19	1.250		0.150		3.563	
		1	3.030		0.150		0.455	
	FIRST FLOOR							
	Passage	1	12.780		0.100		1.278	
	Stair skirting - Step	19	0.450		0.100		0.856	
		1	3.030		0.100		0.303	
	Mid Landing	1	2.500		0.100		0.250	
	Rise	19	1.250		0.150		3.563	
		1	3.030		0.150		0.455	
	TERRACE FLOOR							
	Stair case landing	1	5.210		0.100		0.521	
	Total Quantity						12.563 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						12.563 sqm	
	Say 12.563 sqm @ Rs 1796.94 / sqm						Rs 22574.96	
60	16.90 Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.							
	GROUND FLOOR							
	Ramp	1	5.400	1.200			6.480	
	Total Quantity						6.480 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						6.480 sqm	
	Say 6.480 sqm @ Rs 2247.85 / sqm						Rs 14566.07	

61	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.						
GROUND FLOOR								
	Floor-toilet - D.Toilet	1	2.030	1.580			3.208	
	Flooring - Play school and Pantry	1	37.010				37.010	Area
	Passage and stair bottom	1	2.530	7.880			19.937	
	Recreation Room	1	41.120				41.120	Area
FIRST FLOOR								
	Floor-toilet- House 1 - Toilet	1	1.380	1.970			2.719	
	House 2 - Toilet	1	1.380	1.970			2.719	
	Flooring - House 1 - Living	1	3.200	3.270			10.464	
	W/area	1	1.320	1.490			1.967	
	Kitchen	1	3.540	1.580			5.594	
	Bed Room 1	1	2.690	3.000			8.070	
	Bed Room 2	1	2.570	3.000			7.710	
	Bed area front	1	1.380	1.130			1.560	
	House 2 - Living	1	3.200	3.270			10.464	
	W/area	1	1.320	1.490			1.967	
	Kitchen	1	3.540	1.580			5.594	
	Bed Room 1	1	2.690	3.000			8.070	
	Bed Room 2	1	2.570	3.000			7.710	
	Bed area front	1	1.380	1.130			1.560	
	Total Quantity						177.443 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						177.443 sqm	
	Say 177.443 sqm @ Rs 1077.43 / sqm						Rs 191182.41	
62	8.31	Providing and fixing 1st 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 Engineerin-Charge,in skirting, risers of steps and dados, over 12 mm thick bed of cementmortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @3.3kg per sqm, including pointing in white cement mixed with pigment of matchingshade complete.							
GROUND FLOOR							
Toilet Wall - House 1 - Toilet	1	7.220		2.100		15.162	
Skirting - Play school and Pantry	1	28.200		0.100		2.821	
Passage and stair bottom	1	15.890		0.100		1.590	
Recreation Room	1	26.820		0.100		2.683	
GROUND FLOOR - DEDUCTION							
D1' 90x210	1	0.900		2.100		-1.890	
FIRST FLOOR							
Wall-toilet - House 1 - Toilet	1	6.700		2.100		14.070	
House 2 - Toilet	1	6.700		2.100		14.070	
Skirting - House 1 - Living cum dining	1	12.940		0.100		1.294	
W/area	1	4.130		0.100		0.414	
Kitchen	1	8.440		0.100		0.844	
Bed Room 1	1	11.140		0.100		1.114	
Bed room 2	1	11.380		0.100		1.139	
Bed area front	1	1.380		0.100		0.138	
House 2 - Living cum dining	1	12.940		0.100		1.294	
W/area	1	4.130		0.100		0.414	
Kitchen	1	8.440		0.100		0.844	
Bed Room 1	1	11.060		0.100		1.106	
Bed room 2	1	11.160		0.100		1.116	
Bed area front	1	1.670		0.100		0.167	
FIRST FLOOR -DEDUCTION							
D2 80x210	2	0.800		2.100		-3.360	
Total Quantity						60.280 sqm	
Total Deducted Quantity						-5.250 sqm	

	Net Total Quantity						55.030 sqm	
	Say 55.030 sqm @ Rs 1197.67 / sqm						Rs 65907.78	
63	od166466/2022_2023 Providing PVC Tile beading in the edges and corners of tile work including cost conveyance labour charges etc complete.							
	GROUND FLOOR							
	Edge beading	4			2.100		8.400	
	FIRST FLOOR							
	Edge beading	8			2.100		16.800	
	Total Quantity						25.200 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						25.200 metre	
	Say 25.200 metre @ Rs 58.03 / metre						Rs 1462.36	
64	10.26.1 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.M.S. tube							
	GROUND FLOOR							
	Stair	1	7.210			12.0	86.520	
	Ramp	1	5.400			12.0	64.801	
	FIRST FLOOR							
	Stair	1	10.264			12.0	123.168	
	Passage 250 wide	1	2.500			12.0	30.000	
	Balcony	2	1.500			12.0	36.000	
	Total Quantity						340.489 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						340.489 kg	
	Say 340.489 kg @ Rs 169.32 / kg						Rs 57651.60	
65	10.26.3 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.G.I. pipes							
	GROUND FLOOR							
	Stair	1	7.210			7.0	50.470	
	Ramp	1	5.400			7.0	37.801	
	FIRST FLOOR							
	Stair	1	10.260			7.0	71.820	

	passage	1	2.500			7.0	17.500	
	Balcony	2	1.500			7.0	21.000	
	Total Quantity						198.591 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						198.591 kg	
	Say 198.591 kg @ Rs 183.71 / kg						Rs 36483.15	
66	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer							
	GROUND FLOOR							
	Quantity same as plastering	1	523.790				523.790	
	FIRST FLOOR							
	Quantity same as plastering	1	633.680				633.680	
	TERRACE FLOOR							
	Quantity same as plastering	1	212.040				212.040	
	Total Quantity						1369.510 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1369.510 sqm	
	Say 1369.510 sqm @ Rs 69.76 / sqm						Rs 95537.02	
67	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							
	GROUND FLOOR							
	Quantity same as Cement primer	1	523.790				523.790	
	FIRST FLOOR							
	Quantity same as Cement primer	1	633.680				633.680	
	TERRACE FLOOR							
	Quantity same as Cement primer	1	212.040				212.040	
	Total Quantity						1369.510 sqm	
	Total Deducted Quantity						0.000 sqm	

	Net Total Quantity						1369.510 sqm	
	Say 1369.510 sqm @ Rs 149.50 / sqm						Rs 204741.75	
68	13.62.1 Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture .							
GROUND FLOOR								
	Window W1 60x150	4	0.600		1.500		3.600	
	W2 120x150	8	1.200		1.500		14.400	
	W2' 100x110	2	1.000		1.100		2.200	
	W3 180x150	1	1.800		1.500		2.700	
	Ventilator V 60x60	1	0.600		0.600		0.360	
	Hand rail - Stair	1	7.210		1.200		8.652	
	Ramp	1	5.400		1.200		6.480	
FIRST FLOOR								
	Window - W1 60x150	4	0.600		1.500		3.600	
	W2 120x150	4	1.200		1.500		7.200	
	W2' 100x110	2	1.000		1.100		2.200	
	W3 180x150	1	1.800		1.500		2.700	
	W4 120x100	2	1.200		1.000		2.400	
	Ventilator - V 60x60	2	0.600		0.600		0.720	
	Hand rail - Stair	1	10.264		1.200		12.317	
	passage	1	2.500		1.200		3.000	
	Balcony	2	1.500		1.200		3.600	
TERRACE FLOOR								
	MS Door- D4 120x210	1	1.200		2.100	2.25	5.670	
	Windows - W3 180 x 150	1	1.800		1.500		2.700	
	Total Quantity						84.499 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						84.499 sqm	
	Say 84.499 sqm @ Rs 205.94 / sqm						Rs 17401.72	
SI No	Description	No	L	B	D	CF	Quantity	Remark
3 DG and Street Light Foundation								

1	2.28.1 Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.All kinds of soil							
DG Foundation								
		1	3.080	2.240			6.900	
Total Quantity							6.900 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							6.900 sqm	
Say 6.900 sqm @ Rs 28.32 / sqm							Rs 195.41	
2	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							
DG Foundation								
		2	2.280	0.400	0.300		0.548	
		2	1.040	0.400	0.300		0.250	
Street Light Foundation								
		2	1.100	1.100	0.950		2.300	
Total Quantity							3.098 cum	
Total Deducted Quantity							0.000 cum	
Net Total Quantity							3.098 cum	
Say 3.098 cum @ Rs 293.24 / cum							Rs 908.46	
3	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)							
DG Foundation								
		2	2.280	0.400	0.100		0.183	
		2	1.040	0.400	0.100		0.084	
		1	2.080	1.240	0.075		0.194	
Street Light Foundation								
		2	0.500	0.500	0.150		0.075	
Total Quantity							0.536 cum	
Total Deducted Quantity							0.000 cum	
Net Total Quantity							0.536 cum	

	Say 0.536 cum @ Rs 6729.95 / cum							Rs 3607.25
4	4.3.1 Centering and shuttering including strutting, propping etc. and removal of form work for:Foundations, footings, bases for columns							
	Street Light Foundation							
		2	2.000		0.150		0.600	
	Total Quantity							0.600 sqm
	Total Deducted Quantity							0.000 sqm
	Net Total Quantity							0.600 sqm
	Say 0.600 sqm @ Rs 331.13 / sqm							Rs 198.68
5	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							
	DG Foundation							
		1	2.080	1.240	0.100		0.258	
	Street Light Foundation							
	Pedestal	2	0.400	0.400	0.800		0.257	
	Column above ground level	2	0.400	0.400	0.300		0.097	
	Total Quantity							0.612 cum
	Total Deducted Quantity							0.000 cum
	Net Total Quantity							0.612 cum
	Say 0.612 cum @ Rs 8971.90 / cum							Rs 5490.80
6	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete							
	DG Foundation							
		1	6.640		0.100		0.664	
	Total Quantity							0.664 sqm
	Total Deducted Quantity							0.000 sqm
	Net Total Quantity							0.664 sqm
	Say 0.664 sqm @ Rs 331.13 / sqm							Rs 219.87
7	5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts							

Street light foundation									
	Pedestal	2	1.600		0.800		2.561		
	Colum	2	1.600		0.300		0.960		
	Total Quantity						3.521 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						3.521 sqm		
	Say 3.521 sqm @ Rs 852.88 / sqm							Rs 3002.99	
8	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								
	DG Foundation								
		0.26				90.0	23.401	kg/m3	
	Street Light Foundation								
	For Pedestal	0.256				200.0	51.200		
	Column	0.0960				200.0	19.200		
	Total Quantity						93.801 kilogram		
	Total Deducted Quantity						0.000 kilogram		
	Net Total Quantity						93.801 kilogram		
	Say 93.801 kilogram @ Rs 97.08 / kilogram							Rs 9106.20	
9	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.								
	DG foundation								
	Excavated quantity	6.9					6.900		
	Deduct PCC	-0.65					-0.650		
	Deduct Masonry	-0.19					-0.190		
	Plinth filling	1	2.080	1.240	0.350		0.903		
	Street light Foundation								
	Excavated quantity	2.3					2.300		
	PCC	-0.08					-0.080		
	Pedestal upto ground	-0.26					-0.260		
	Total Quantity						8.923 cum		
	Total Deducted Quantity						0.000 cum		

		Net Total Quantity						8.923 cum	
		Say 8.923 cum @ Rs 255.35 / cum						Rs 2278.49	
10	50.6.7.1 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for foundation and basement including all cost of materials, labour charges etc.								
	DG foundation								
		2	2.080	0.200	0.550		0.458		
		2	0.840	0.200	0.550		0.185		
		Total Quantity						0.643 cum	
		Total Deducted Quantity						0.000 cum	
		Net Total Quantity						0.643 cum	
		Say 0.643 cum @ Rs 7159.07 / cum						Rs 4603.28	
11	50.13.1 9 mm cement plastering of mix : 1:3 (1 cement : 3 fine sand) including all cost of materials, labour charges etc complete								
	DG foundation								
	Foundation side	1	6.640		0.450		2.988		
	Top	1	2.080	1.240			2.580		
	Street Light foundation								
		2	1.600		0.300		0.960		
		2	0.400		0.400		0.321		
		Total Quantity						6.849 sqm	
		Total Deducted Quantity						0.000 sqm	
		Net Total Quantity						6.849 sqm	
		Say 6.849 sqm @ Rs 287.68 / sqm						Rs 1970.32	
12	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer								
	DG foundation								
	Foundation side	1	6.640		0.450		2.988		
	Top	1	2.080	1.240			2.580		
	Street Light foundation								
		2	1.600		0.300		0.960		
		2	0.400		0.400		0.321		
		Total Quantity						6.849 sqm	

						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	6.849 sqm	
						Say 6.849 sqm @ Rs 69.76 / sqm	Rs 477.79	
13	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						
		DG foundation						
	Foundation side	1	6.640		0.450		2.988	
	Top	1	2.080	1.240			2.580	
		Street Light foundation						
		2	1.600		0.300		0.960	
		2	0.400		0.400		0.321	
						Total Quantity	6.849 sqm	
						Total Deducted Quantity	0.000 sqm	
						Net Total Quantity	6.849 sqm	
						Say 6.849 sqm @ Rs 149.50 / sqm	Rs 1023.93	
14	10.16.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.Hot finished welded type tubes						
		DG roof truss						
		1	1.780	0.940		16.14	27.006	
						Total Quantity	27.006 kg	
						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	27.006 kg	
						Say 27.006 kg @ Rs 166.71 / kg	Rs 4502.17	
15	od166454/2022_2023	Derived 12.50 Providing and fixing precoated Galvalume Sheets (size, shape and colour as approved by Engineer-in-charge) 0.35 mm (+0.5%), total coated thickness The alloy coating nominally contains 55% aluminum, 43.5% zinc and 1.5% silicon by weight, applied by the hot-dipping process and having good corrosion resistance and heat reflectivity including all cost of conveyance and labour charges etc as specified and as directed by the Engineer-in-Charge. The sheet shall be fixed using self drilling/self tapping screws and excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 						
		1	1.780	0.940	1.200		2.008	
						Total Quantity	2.008 sqm	

		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					2.008 sqm	
		Say 2.008 sqm @ Rs 734.95 / sqm					Rs 1475.78	
16	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work						
		1	2.000				2.000	
		Total Quantity					2.000 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					2.000 sqm	
		Say 2.000 sqm @ Rs 141.26 / sqm					Rs 282.52	
Provision for GST payments (in %) @						0.0%		
Amount reserved for GST payments						0.00		
Total						12233292.00		
Lumpsum for round off						0.00		
						TOTAL Rs 12233292.00		
						Rounded Total Rs 1,22,33,292		
Rupees One Crore Twenty Two Lakh Thirty Three Thousand Two Hundred and Ninety Two Only								

(Cost Index Applied for this estimate is 33.9%)

Other Engineering Organisations
PRICE

Data Analysis

Type - A - Civil Woks(For 1 Housing Unit)

1 Specification Code: od166455/2022_2023

**od166455/2022_2023 :Modified 4.13 Applying a coat of Inertol Poxitar Coal tar epoxy coating per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.
**

Details of cost for 10 sqm

Code	Description	Unit	Quantity	Rate	Amount
MR	Inertol Poxitar Coal tar epoxy coating 	kg	6.70000	300.00	2010.00
0114	Beldar	Day	0.12000	558.00	66.96
0115	Coolie	Day	0.07000	558.00	39.06
0131	Painter	Day	0.20000	679.00	135.80
9988	Carriage and sundries	L.S	33.15000	2.00	66.30
TOTAL					2318.12
	cost for 10.0 sqm				2318.12
	cost for one sqm				231.81
	say				231.81

	Add Water Charges @ 1.0%				2.31
	Add CPOH @ 15.0%				35.11
	Cost index 33.9 %				12.13
	Total with Cost index				281.38
	Say				281.38

2 Specification Code: od166456/2022_2023

od166456/2022_2023 :OD Applying Antitermite treatment on flooring using emidocloclid chemical which is ecofriendly and nil harm ful for human beings and pet animals which control the pests including all cost and

labour charges etc complete

Code	Description	Unit	Quantity	Rate	Amount
MR	Quotation rate for Anitermite treatment 	sqm	1.00000	110.00	110.00
TOTAL					110.00
cost for one sqm					110.00
	say				110.00

	Add Water Charges @ 1.0%				1.10
	Add CPOH @ 15.0%				16.66
	Cost index 33.9 %				-0.01
	Total with Cost index				127.77
	Say				127.77

3 Specification Code: od166457/2022_2023

Other Engineering Organisations

**od166457/2022_2023 :Modified 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 from floor two level to Level 5 for 10 cm thick wall in : CM 1:6 (1 cement : 6 coarse sand) including cost of scaffolding complete
**

Details of cost for one cum

Code	Description	Unit	Quantity	Rate	Amount
MR5	Solid blocks of size 40x20x10cm 	each	116.00000	26.00	3016.00
3.11	Rate as per item number3.11of SH:Mortars 	cum	0.08150	3356.15	273.53
9999	Sundries 	L.S	13.52000	2.00	27.04
0123	Mason (brick layer) 1st class 	Day	0.60000	738.00	442.80
0124	Mason (brick layer)2nd class 	Day	0.60000	679.00	407.40
0115	Coolie 	Day	2.00000	558.00	1116.00
0101	Bhisti 	Day	0.70000	617.00	431.90
9999	Sundries 	L.S	22.36000	2.00	44.72
0115	Coolie	Day	1.13000	558.00	630.54

TOTAL					6389.93
cost for one cum					6389.93
	say				6389.93

	Add Water Charges @ 1.0%				63.89
	Add CPOH @ 15.0%				968.07
	Cost index 33.9 %				1328.47
	Total with Cost index				8750.38
	Say				8750.38

4 Specification Code: od166458/2022_2023

**od166458/2022_2023 :OD Supplying and filling with cinder under , ramming consolidating and dressing complete. including all cost of materials, labour charges etc complete
**

Detailes for 16.81 Cum

;(16.81x0.899 MT/m3= 15.11MT) Other Engineering Organisations

Code	Description	Unit	Quantity	Rate	Amount
MR	Cinder 	MT	10.77521	1700.00	18317.86
0155	Mason (average)	Day	1.00000	709.00	709.00
0128	Mate	Day	3.00000	617.00	1851.00
0115	Coolie	Day	9.00000	558.00	5022.00
TOTAL					25899.86
	cost for 16.81 cum				25899.86
	cost for one cum				1540.74
	say				1540.74

	Add Water Charges @ 1.0%				15.40
	Add CPOH @ 15.0%				233.42

	Cost index 33.9 %				177.59
	Total with Cost index				1967.17
	Say				1967.17

5 Specification Code: od166459/2022_2023

**od166459/2022_2023 :OD Providing water cutting to bottom edge side of slab/sunshade by 25mm wide and 15mm thick in cement mortar 1:3 including cost and conveyance of all materials, labour charges etc complete
**

Details for 10metre

Code	Description	Unit	Quantity	Rate	Amount
0983	Fine sand (zone IV)	cum	0.00500	900.00	4.50
2261	Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.00500	103.77	0.52
0367	Portland Cement	tonne	0.00240	4940.00	11.86
2209	Cement	tonne	0.00240	92.24	0.22
0155	Mason (average)	Day	0.70000	709.00	496.30
0115	Coolie	Day	0.30000	558.00	167.40
9999	Sundries	L.S	4.33500	2.00	8.67
TOTAL					689.47
	cost for 10.0 metre				689.47
	cost for one metre				68.95
	say				68.95

	Add Water Charges @ 1.0%				0.68
	Add CPOH @ 15.0%				10.44
	Cost index 33.9 %				27.14
	Total with Cost index				107.23
	Say				107.23

6 Specification Code: od166460/2022_2023

od166460/2022_2023 :Modified 50.9.1.2 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

Pincoda wood

Details of cost for 0.036 cum

MATERIALS:

Code	Description	Unit	Quantity	Rate	Amount
MR	Pincoda wood scantls	cum	0.03800	120000.00	4560.00
0156	Carpenter (average) 	Day	0.72000	709.00	510.48
0114	Beldar 	Day	0.07000	558.00	39.06
TOTAL					5109.54
	cost for 0.036 cum				5109.54
	cost for one cum				141931.67
	say				141931.67

	Add Water Charges @ 1.0%				1419.31
	Add CPOH @ 15.0%				21502.64
	Cost index 33.9 %				6010.57
	Total with Cost index				170864.2 1
	Say				170864.2 1

7 Specification Code: od166461/2022_2023

od166461/2022_2023 :Modified 50.9.3.2 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 Pincoda wood.

Details of cost for 2.16 sqm

Code	Description	Unit	Quantity	Rate	Amount
MR	Pincoda wood scantls 	cum	0.04400	120000.00	5280.00
0595	Bright finished or black enameled mild steel butt hinges 100x58x1.90 mm 	10 nos	6.00000	80.00	48.00
0597	Bright finished or black enameled mild steel butt hinges 50x37x1.50 mm 	10 nos	2.00000	49.00	9.80
0637	Bright finished or black enameled mild steel screws 40 mm 	100 nos	48.00000	60.00	28.80
0640	Bright finished or black enameled mild steel screws 20 mm 	100 nos	8.00000	30.00	2.40
0156	Carpenter (average) 	Day	1.83000	709.00	1297.47
0114	Beldar 	Day	0.76000	558.00	424.08
9999	Sundries 	L.S	35.88000	2.00	71.76
TOTAL					7162.31
	cost for 2.16 sqm				7162.31
	cost for one sqm				3315.88
	say				3315.88

	Add Water Charges @ 1.0%				33.15
	Add CPOH @ 15.0%				502.35
	Cost index 33.9 %				343.12
	Total with Cost index				4194.52
	Say				4194.52

8 Specification Code: od166462/2022_2023

od166462/2022_2023 :Modified 50.9.4.2 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 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 Pincoda wood

Details of cost for 0.66 Sqm

Code	Description	Unit	Quantity	Rate	Amount
MR	Pincoda wood planks 	cum	0.01290	120000.00	1548.00
0111	Carpender 1st Class 	Day	0.57000	738.00	420.66
9999	Sundries 	L.S	4.42000	2.00	8.84
TOTAL					1977.50
	cost for 0.66 sqm				1977.50
	cost for one sqm				2996.21
	say				2996.21

	Add Water Charges @ 1.0%				29.96
	Add CPOH @ 15.0%				453.92
	Cost index 33.9 %				256.23
	Total with Cost index				3736.33
	Say				3736.33

9 Specification Code: od166463/2022_2023

od166463/2022_2023 :OD Melamine polishing on wood work (one or more coat) for new work

Details of cost for 10 sqm

Code	Description	Unit	Quantity	Rate	Amount
7241	Melamine polish	Litre	0.97500	280.00	273.00
0006	Hire charges of sparaying machine including electric charges	Day	1.17000	250.00	292.50

9988	Carriage and sundries	L.S	6.63000	2.00	13.26
0131	Painter	Day	0.52500	679.00	356.48
0115	Coolie	Day	0.52500	558.00	292.95
9999	Sundries	L.S	6.63000	2.00	13.26

TOTAL					1241.45
	cost for 10.0 sqm				1241.45
	cost for one sqm				124.14
	say				124.14

	Add Water Charges @ 1.0%				1.24
	Add CPOH @ 15.0%				18.80
	Cost index 33.9 %				48.87
	Total with Cost index				193.07
	Say				193.07

10 Specification Code: od166464/2022_2023

**od166464/2022_2023 :OD Preparation of wood surface For melamine polish:Melamine polishing on wood work with two coats after preparing base rubbing and cleaning emery paper, filling holes and finishing the surface with ceiler and melamine ceiler two coats including all cost and labour charges etc. complete
Details of cost for 10 sqm**

Code	Description	Unit	Quantity	Rate	Amount
MR	Sanding paper 80 	metre	1.00000	27.97	27.97
MR	Sanding paper 100 	metre	1.00000	27.97	27.97
MR	Sanding sealer 	Litre	1.00000	167.80	167.80
MR	NC Thinner 	Litre	1.00000	81.36	81.36
MR	melamine sealer 	Litre	2.00000	233.05	466.10
0131	Painter	Day	1.12500	679.00	763.88

0115	Coolie	Day	1.12500	558.00	627.75
------	--------	-----	---------	--------	--------

TOTAL					2162.83
	cost for 10.0 sqm				2162.83
	cost for one sqm				216.28
	say				216.28

	Add Water Charges @ 1.0%				2.16
	Add CPOH @ 15.0%				32.76
	Cost index 33.9 %				54.79
	Total with Cost index				306.00
	Say				306.00

11 Specification Code: od166465/2022_2023

Other Engineering Organisations

**od166465/2022_2023 :Modified 21.2.2 Providing and fixing 4 mm thick ACP sheet 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.
**

Details of cost for 7 sqm
4 mm thick ACP = 7.00 sqm
Add 5% wastage = 0.35 sqm
Total = 7.35 sqm

Code	Description	Unit	Quantity	Rate	Amount
2631	4 mm thick ACP	sqm	7.35000	1100.00	8085.00
9977	Carriage of particle board	L.S	13.65000	2.00	27.30
9999	Sundries & screws etc. LABOUR:	L.S	27.30000	2.00	54.60
0112	Carpenter 2nd class 	Day	0.90000	679.00	611.10
0114	Beldar 	Day	1.00000	558.00	558.00
TOTAL					9336.00

	cost for 7.0 sqm				9336.00
	cost for one sqm				1333.71
	say				1333.71

	Add Water Charges @ 1.0%				13.33
	Add CPOH @ 15.0%				202.05
	Cost index 33.9 %				525.14
	Total with Cost index				2074.25
	Say				2074.25

12 Specification Code: od166466/2022_2023

od166466/2022_2023 :Providing PVC Tile beading in the edges and corners of tile work including cost conveyance labour charges etc complete.
cost for 10 m

Code	Description	Unit	Quantity	Rate	Amount
MR	Tile beading	metre	10.00000	31.28	312.80
0114	Beldar	Day	0.25000	558.00	139.50
TOTAL					452.30
	cost for 10.0 metre				452.30
	cost for one metre				45.23
	say				45.23

	Add Water Charges @ 1.0%				0.45
	Add CPOH @ 15.0%				6.85

	Cost index 33.9 %				5.49
	Total with Cost index				58.03
	Say				58.03

Type B - Civil Works
1 Specification Code: od166455/2022_2023

od166455/2022_2023 :Modified 4.13 Applying a coat of Inertol Poxitar Coal tar epoxy coating per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.
Details of cost for 10 sqm
--

Code	Description	Unit	Quantity	Rate	Amount
MR	Inertol Poxitar Coal tar epoxy coating 	kg	6.70000	300.00	2010.00
0114	Beldar	Day	0.12000	558.00	66.96
0115	Coolie	Day	0.07000	558.00	39.06
0131	Painter	Day	0.20000	679.00	135.80
9988	Carriage and sundries	L.S	33.15000	2.00	66.30
TOTAL					2318.12
	cost for 10.0 sqm				2318.12
	cost for one sqm				231.81
	say				231.81

	Add Water Charges @ 1.0%				2.31
	Add CPOH @ 15.0%				35.11
	Cost index 33.9 %				12.13
	Total with Cost index				281.38
	Say				281.38

2 Specification Code: od166456/2022_2023

od166456/2022_2023 :OD Applying Antitermite treatment on flooring using emidocloclid chemical which is ecofriendly and nil harm ful for human beings and pet animals which control the pests including all cost and labour charges etc complete

Code	Description	Unit	Quantity	Rate	Amount
MR	Quotation rate for Anitermite treatment 	sqm	1.00000	110.00	110.00
TOTAL					110.00
cost for one sqm					110.00
	say				110.00

	Add Water Charges @ 1.0%				1.10
	Add CPOH @ 15.0%				16.66
	Cost index 33.9 %				-0.01
	Total with Cost index				127.77
	Say				127.77

3 Specification Code: od166457/2022_2023

od166457/2022_2023 :Modified 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 from floor two level to Level 5 for 10 cm thick wall in : CM 1:6 (1 cement : 6 coarse sand) including cost of scaffolding complete

Details of cost for one cum

Code	Description	Unit	Quantity	Rate	Amount
MR5	Solid blocks of size 40x20x10cm 	each	116.00000	26.00	3016.00
3.11	Rate as per item number3.11of SH:Mortars 	cum	0.08150	3356.15	273.53
9999	Sundries 	L.S	13.52000	2.00	27.04
0123	Mason (brick layer) 1st class 	Day	0.60000	738.00	442.80

0124	Mason (brick layer)2nd class 	Day	0.60000	679.00	407.40
0115	Coolie 	Day	2.00000	558.00	1116.00
0101	Bhisti 	Day	0.70000	617.00	431.90
9999	Sundries 	L.S	22.36000	2.00	44.72
0115	Coolie	Day	1.13000	558.00	630.54

TOTAL					6389.93
cost for one cum					6389.93
	say				6389.93

	Add Water Charges @ 1.0%				63.89
	Add CPOH @ 15.0%				968.07
	Cost index 33.9 %				1328.47
	Total with Cost index				8750.38
	Say				8750.38

4 Specification Code: od166458/2022_2023

**od166458/2022_2023 :OD Supplying and filling with cinder under , ramming consolidating and dressing complete. including all cost of materials, labour charges etc complete
**
 Details for 16.81 Cum
 ;(16.81x0.899 MT/m3= 15.11MT)

Code	Description	Unit	Quantity	Rate	Amount
MR	Cinder 	MT	10.77521	1700.00	18317.86
0155	Mason (average)	Day	1.00000	709.00	709.00
0128	Mate	Day	3.00000	617.00	1851.00
0115	Coolie	Day	9.00000	558.00	5022.00
TOTAL					25899.86
	cost for 16.81 cum				25899.86

	cost for one cum				1540.74
	say				1540.74

	Add Water Charges @ 1.0%				15.40
	Add CPOH @ 15.0%				233.42
	Cost index 33.9 %				177.59
	Total with Cost index				1967.17
	Say				1967.17

5 Specification Code: od166459/2022_2023

od166459/2022_2023 :OD Providing water cutting to bottom edge side of slab/sunshade by 25mm wide and 15mm thick in cement mortar 1:3 including cost and conveyance of all materials, labour charges etc complete

Details for 10metre

Code	Description	Unit	Quantity	Rate	Amount
0983	Fine sand (zone IV)	cum	0.00500	900.00	4.50
2261	Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.00500	103.77	0.52
0367	Portland Cement	tonne	0.00240	4940.00	11.86
2209	Cement	tonne	0.00240	92.24	0.22
0155	Mason (average)	Day	0.70000	709.00	496.30
0115	Coolie	Day	0.30000	558.00	167.40
9999	Sundries	L.S	4.33500	2.00	8.67
TOTAL					689.47
	cost for 10.0 metre				689.47
	cost for one metre				68.95
	say				68.95

	Add Water Charges @ 1.0%				0.68
	Add CPOH @ 15.0%				10.44
	Cost index 33.9 %				27.14
	Total with Cost index				107.23
	Say				107.23

6 Specification Code: od166460/2022_2023

**od166460/2022_2023 :Modified 50.9.1.2 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 Pincoda wood
**

Details of cost for 0.036 cum

MATERIALS:

Code	Description	Unit	Quantity	Rate	Amount
MR	Pincoda wood scantls	cum	0.03800	120000.00	4560.00
0156	Carpenter (average) 	Day	0.72000	709.00	510.48
0114	Beldar 	Day	0.07000	558.00	39.06
TOTAL					5109.54
	cost for 0.036 cum				5109.54
	cost for one cum				141931.67
	say				141931.67

	Add Water Charges @ 1.0%				1419.31
	Add CPOH @ 15.0%				21502.64
	Cost index 33.9 %				6010.57
	Total with Cost index				170864.2 1

	Say				170864.2 1
--	-----	--	--	--	---------------

7 Specification Code: od166461/2022_2023

**od166461/2022_2023 :Modified 50.9.3.2 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 Pincoda wood.
**
 Details of cost for 2.16 sqm

Code	Description	Unit	Quantity	Rate	Amount
MR	Pincoda wood scantls 	cum	0.04400	120000.00	5280.00
0595	Bright finished or black enameled mild steel butt hinges 100x58x1.90 mm 	10 nos	6.00000	80.00	48.00
0597	Bright finished or black enameled mild steel butt hinges 50x37x1.50 mm 	10 nos	2.00000	49.00	9.80
0637	Bright finished or black enameled mild steel screws 40 mm 	100 nos	48.00000	60.00	28.80
0640	Bright finished or black enameled mild steel screws 20 mm 	100 nos	8.00000	30.00	2.40
0156	Carpenter (average) 	Day	1.83000	709.00	1297.47
0114	Beldar 	Day	0.76000	558.00	424.08
9999	Sundries 	L.S	35.88000	2.00	71.76
TOTAL					7162.31
	cost for 2.16 sqm				7162.31
	cost for one sqm				3315.88
	say				3315.88

	Add Water Charges @ 1.0%				33.15
	Add CPOH @ 15.0%				502.35

	Cost index 33.9 %				343.12
	Total with Cost index				4194.52
	Say				4194.52

8 Specification Code: od166462/2022_2023

od166462/2022_2023 :Modified 50.9.4.2 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 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 Pincoda wood

Details of cost for 0.66 Sqm

Code	Description	Unit	Quantity	Rate	Amount
MR	Pincoda wood planks 	cum	0.01290	120000.00	1548.00
0111	Carpenter 1st Class 	Day	0.57000	738.00	420.66
9999	Sundries 	L.S	4.42000	2.00	8.84
Other Engineering Organisations TOTAL					1977.50
	cost for 0.66 sqm				1977.50
	cost for one sqm				2996.21
	say				2996.21

	Add Water Charges @ 1.0%				29.96
	Add CPOH @ 15.0%				453.92
	Cost index 33.9 %				256.23
	Total with Cost index				3736.33
	Say				3736.33

9 Specification Code: od166463/2022_2023

od166463/2022_2023 :OD Melamine polishing on wood work (one or more coat) for new work

Details of cost for 10 sqm

Code	Description	Unit	Quantity	Rate	Amount
7241	Melamine polish	Litre	0.97500	280.00	273.00
0006	Hire charges of sparaying machine including electric charges	Day	1.17000	250.00	292.50
9988	Carriage and sundries	L.S	6.63000	2.00	13.26
0131	Painter	Day	0.52500	679.00	356.48
0115	Coolie	Day	0.52500	558.00	292.95
9999	Sundries	L.S	6.63000	2.00	13.26
TOTAL					1241.45
	cost for 10.0 sqm				1241.45
	cost for one sqm				124.14
	say				124.14

	Add Water Charges @ 1.0%				1.24
	Add CPOH @ 15.0%				18.80
	Cost index 33.9 %				48.87
	Total with Cost index				193.07
	Say				193.07

10 Specification Code: od166464/2022_2023

od166464/2022_2023 :OD Preparation of wood surface For melamine polish:Melamine polishing on wood work with two coats after preparing base rubbing and cleaning emery paper, filling holes and finishing the surface with ceiler and melamine ceiler two coats including all cost and labour charges etc. complete

Details of cost for 10 sqm

Code	Description	Unit	Quantity	Rate	Amount
MR	Sanding paper 80 	metre	1.00000	27.97	27.97
MR	Sanding paper 100 	metre	1.00000	27.97	27.97
MR	Sanding sealer 	Litre	1.00000	167.80	167.80
MR	NC Thinner 	Litre	1.00000	81.36	81.36
MR	melamine sealer 	Litre	2.00000	233.05	466.10
0131	Painter	Day	1.12500	679.00	763.88
0115	Coolie	Day	1.12500	558.00	627.75
TOTAL					2162.83
	cost for 10.0 sqm				2162.83
	cost for one sqm				216.28
	say				216.28

	Add Water Charges @ 1.0%				2.16
	Add CPOH @ 15.0%				32.76
	Cost index 33.9 %				54.79
	Total with Cost index				306.00
	Say				306.00

11 Specification Code: od166465/2022_2023

**od166465/2022_2023 :Modified 21.2.2 Providing and fixing 4 mm thick ACP sheet 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.
**

Details of cost for 7 sqm
 4 mm thick ACP = 7.00 sqm
 Add 5% wastage = 0.35 sqm
 Total = 7.35 sqm

Code	Description	Unit	Quantity	Rate	Amount
2631	4 mm thick ACP	sqm	7.35000	1100.00	8085.00
9977	Carriage of particle board	L.S	13.65000	2.00	27.30
9999	Sundries & screws etc. LABOUR:	L.S	27.30000	2.00	54.60
0112	Carpenter 2nd class 	Day	0.90000	679.00	611.10
0114	Beldar 	Day	1.00000	558.00	558.00

TOTAL					9336.00
	cost for 7.0 sqm				9336.00
	cost for one sqm				1333.71
	say				1333.71

	Add Water Charges @ 1.0%				13.33
	Add CPOH @ 15.0%				202.05
	Cost index 33.9 %				525.14
	Total with Cost index				2074.25
	Say				2074.25

12 Specification Code: od166466/2022_2023

od166466/2022_2023 :Providing PVC Tile beading in the edges and corners of tile work including cost conveyance labour charges etc complete.

cost for 10 m

Code	Description	Unit	Quantity	Rate	Amount
MR	Tile beading	metre	10.00000	31.28	312.80
0114	Beldar	Day	0.25000	558.00	139.50
TOTAL					452.30
	cost for 10.0 metre				452.30

	cost for one metre				45.23
	say				45.23

	Add Water Charges @ 1.0%				0.45
	Add CPOH @ 15.0%				6.85
	Cost index 33.9 %				5.49
	Total with Cost index				58.03
	Say				58.03

DG and Street Light Foundation
1 Specification Code: od166454/2022_2023

<p>od166454/2022_2023 :Derived 12.50
Providing and fixing precoated Galvalume Sheets (size, shape and colour as approved by Engineer-in-charge) 0.35 mm (+0.5%), total coated thickness The alloy coating nominally contains 55% aluminum, 43.5% zinc and 1.5% silicon by weight, applied by the hot-dipping process and having good corrosion resistance and heat reflectivity including all cost of conveyance and labour charges etc as specified and as directed by the Engineer-in-Charge. The sheet shall be fixed using self drilling/self tapping screws and excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.
</p> <p>Consider a shed of 20x10 metres. (External dimensions of plinth). Area of roof- 20.2x10.70m = 216.14 sqm. MATERIAL Sheets used = 20 nos.x10.70mx1.06m = 226.84sqm Add 3% wastage = 6.81 Sqm Total = 233.65 sqm. Details of cost of 216.14 sqm.</p>
--

Code	Description	Unit	Quantity	Rate	Amount
MR	0.35 mm Thick Galvalume Sheet 	sqm	233.65000	474.17	110789.82
1023	Galvanised steel J or L hooks 8 mm dia	10 nos	476.00000	120.00	5712.00

1208	Bitumen washer	100 nos	476.00000	30.00	142.80
1209	G.I. Plain washer thick	100 nos	476.00000	35.00	166.60
9977	Carriage	L.S	8.06000	2.00	16.12
9999	Sundries	L.S	39.52000	2.00	79.04
0130	Mistry	Day	2.34000	738.00	1726.92
0112	Carpenter 2nd class	Day	9.34000	679.00	6341.86
0114	Beldar	Day	9.34000	558.00	5211.72

TOTAL					130186.88
	cost for 216.14 sqm				130186.88
	cost for one sqm				602.33
	say				602.33

	Add Water Charges @ 1.0%				6.02
	Add CPOH @ 15.0%				91.25
	Cost index 33.9 %				35.33
	Total with Cost index				734.95
	Say				734.95

LIFE MISSION HOUSING PROJECT, KANNUR (Electrical works)

General Abstract

(Dsor year: **2018**, Cost Index Applied for this estimate is **33.9%**)

SI No	Heading Description	Amount
1	Wiring	735962.57
2	MCCB, MCB AND DB's	91843.99
3	MV CABLE LAYING	140845.42
4	EARTHING	223552.62
5	LIGHT FIXTURES AND FAN	405061.85
6	PANELS	424705.19
7	DG	398317.53
8	MISCELLANEOUS ITEMS	47380.11
	Provision for GST payments (in %) @	0.0%
	Amount reserved for GST payments	0.00
	Total	2467669.00
	Lumpsum for round off	0.00
		TOTAL Rs 2467669.00
		Rounded Total Rs 24,67,669
	Rupees Twenty Four Lakh Sixty Seven Thousand Six Hundred and Sixty Nine Only	

(Cost Index Applied for this estimate is 33.9%)

Other Engineering Organisations
PRICE

LIFE MISSION HOUSING PROJECT, KANNUR (Electrical works)

Detailed Estimate

(Dsr year: **2018**, Cost Index Applied for this estimate is **33.9%**)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1 Wiring								
1	1.10.1 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVCinsulated copper conductor single core cable in surface / recessed medium class PVC conduit,with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSPVC insulated copper conductor single core cable etc as required.Group A	179					179.000	
							Total Quantity	179.000 point
							Total Deducted Quantity	0.000 point
							Net Total Quantity	179.000 point
							Say 179.000 point @ Rs 842.23 / point	Rs 150759.17
2	1.10.2 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVCinsulated copper conductor single core cable in surface / recessed medium class PVC conduit,with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSPVC insulated copper conductor single core cable etc as required.Group B	72					72.000	
							Total Quantity	72.000 point
							Total Deducted Quantity	0.000 point
							Net Total Quantity	72.000 point
							Say 72.000 point @ Rs 918.55 / point	Rs 66135.60
3	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVCinsulated copper conductor single core cable in surface / recessed medium class PVC conduit,with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSPVC insulated copper conductor single core cable etc as required.Group C	55					55.000	
							Total Quantity	55.000 point
							Total Deducted Quantity	0.000 point
							Net Total Quantity	55.000 point
							Say 55.000 point @ Rs 1162.25 / point	Rs 63923.75
4	1.55.2 Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in							

	surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.Group B						
		3					3.000
	Total Quantity						3.000 point
	Total Deducted Quantity						0.000 point
	Net Total Quantity						3.000 point
	Say 3.000 point @ Rs 595.86 / point						Rs 1787.58
5	1.55.3 Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.Group C						
		28					28.000
	Total Quantity						28.000 point
	Total Deducted Quantity						0.000 point
	Net Total Quantity						28.000 point
	Say 28.000 point @ Rs 652.09 / point						Rs 18258.52
6	1.17.3 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.3 X 1.5 sq.mm						
		1	1380.000				1380.000
	Total Quantity						1380.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						1380.000 metre
	Say 1380.000 metre @ Rs 62.93 / metre						Rs 86843.40
7	1.17.12 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.3 x 2.5 sq. mm						
		1	130.000				130.000
	Total Quantity						130.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						130.000 metre
	Say 130.000 metre @ Rs 88.37 / metre						Rs 11488.10
8	1.17.21 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.3 x 4 sq. mm						

		1	390.000				390.000	
	Total Quantity						390.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						390.000 metre	
	Say 390.000 metre @ Rs 136.58 / metre						Rs 53266.20	
9	1.21.1 Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.20 mm							
		1	1140.000				1140.000	
	Total Quantity						1140.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						1140.000 metre	
	Say 1140.000 metre @ Rs 97.75 / metre						Rs 111435.00	
10	1.21.2 Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.25 mm							
		1	380.000				380.000	
	Total Quantity						380.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						380.000 metre	
	Say 380.000 metre @ Rs 105.78 / metre						Rs 40196.40	
11	1.24.1 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.5/6 amps switch							
		1	150.000				150.000	
	Total Quantity						150.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						150.000 each	
	Say 150.000 each @ Rs 100.43 / each						Rs 15064.50	
12	1.24.3 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch							
		39					39.000	
	Total Quantity						39.000 each	

												Total Deducted Quantity	0.000 each
												Net Total Quantity	39.000 each
												Say 39.000 each @ Rs 153.99 / each	Rs 6005.61
13	1.24.4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet											
			150										150.000
												Total Quantity	150.000 each
												Total Deducted Quantity	0.000 each
												Net Total Quantity	150.000 each
												Say 150.000 each @ Rs 129.88 / each	Rs 19482.00
14	1.24.5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet											
			39										39.000
												Total Quantity	39.000 each
												Total Deducted Quantity	0.000 each
												Net Total Quantity	39.000 each
												Say 39.000 each @ Rs 204.87 / each	Rs 7989.93
15	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.											
			18										18.000
												Total Quantity	18.000 each
												Total Deducted Quantity	0.000 each
												Net Total Quantity	18.000 each
												Say 18.000 each @ Rs 107.12 / each	Rs 1928.16
16	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.											
			59										59.000
												Total Quantity	59.000 each
												Total Deducted Quantity	0.000 each
												Net Total Quantity	59.000 each
												Say 59.000 each @ Rs 401.70 / each	Rs 23700.30
17	1.26												

	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.						
		80					80.000
	Total Quantity						80.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						80.000 each
	Say 80.000 each @ Rs 37.49 / each						Rs 2999.20
18	1.27.2 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)						
		75					75.000
	Total Quantity						75.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						75.000 each
	Say 75.000 each @ Rs 313.33 / each						Rs 23499.75
19	1.27.4 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)						
		20					20.000
	Total Quantity						20.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						20.000 each
	Say 20.000 each @ Rs 390.99 / each						Rs 7819.80
20	1.33 Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.						
		201					201.000
	Total Quantity						201.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						201.000 each
	Say 201.000 each @ Rs 76.32 / each						Rs 15340.32
21	1.58 Supplying and fixing PVC batten/ angle holder including connection etc. as required.						
		76					76.000
	Total Quantity						76.000 each

							Total Deducted Quantity	0.000 each
							Net Total Quantity	76.000 each
							Say 76.000 each @ Rs 105.78 / each	Rs 8039.28
SI No	Description	No	L	B	D	CF	Quantity	Remark
2 MCCB, MCB AND DB's								
1	2.3.2 Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCBIRCCB/Isolator8 way, Double door	14					14.000	
							Total Quantity	14.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	14.000 each
							Say 14.000 each @ Rs 2066.08 / each	Rs 28925.12
2	2.3.3 Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCBIRCCB/Isolator12 way, Double door	1					1.000	
							Total Quantity	1.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	1.000 each
							Say 1.000 each @ Rs 2410.20 / each	Rs 2410.20
3	2.10.1 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	49					49.000	
							Total Quantity	49.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	49.000 each
							Say 49.000 each @ Rs 234.33 / each	Rs 11482.17
4	2.10.3 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing							

	and commissioning etc. as required.Double pole						
		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 652.09 / each						Rs 9781.35
5	2.11 Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.						
		17					17.000
	Total Quantity						17.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						17.000 each
	Say 17.000 each @ Rs 9.37 / each						Rs 159.29
6	2.14.1 Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.25 amps						
		16					16.000
	Total Quantity						16.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						16.000 each
	Say 16.000 each @ Rs 2262.91 / each						Rs 36206.56
7	od294863/2021_2022 Supply, installation, testing and commissioning of thermoplastic polycarbonate 3 Module MCB DB in accordance with IEC60529 with transparent hinged cover environment friendly, recyclable, UV resistant, halogen & silicon free, anti acid & anti corrosive enclosure having size not less than 102x197x92mm as required. Make: Hensel - Catalogue No. KV 7103 or equivalent						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 2034.67 / each						Rs 2034.67
8	od295086/2021_2022 Supplying and fixing thermoplastic polycarbonate cable junction boxes (IP67) with 5Pole terminals suitable for 2.5 sqmm cable etc complete with connections, testing and commissioning etc. as required. Make -Hensel or equivalent						

		1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 844.63 / each						Rs 844.63	
SI No	Description	No	L	B	D	CF	Quantity	Remark
3 MV CABLE LAYING								
1	od295080/2021_2022 Supply of one number PVC insulated and PVC sheathed armoured copper control cable of 1.1KV grade of the following sizes. 3C x 2.5 sqmm							
		1	85.000				85.000	
	Total Quantity						85.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						85.000	metre
	Say 85.000 metre @ Rs 140.76 / metre						Rs 11964.60	
2	7.3.1 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.Upto 35 sq. mm							
		1	95.000				95.000	
	Total Quantity						95.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						95.000	metre
	Say 95.000 metre @ Rs 195.49 / metre						Rs 18571.55	
3	od295081/2021_2022 Supplying and making end termination with brass compression gland and copper lugs for following size of PVC insulated and PVC sheathed copper conductor cable of 1.1 kV grade as required.3Cx 2.5 sqmm							
		5					5.000	
	Total Quantity						5.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						5.000	each
	Say 5.000 each @ Rs 239.65 / each						Rs 1198.25	
4	od164052/2022_2023 Supply and fixing (IP68) thermoplastic polyamide cable gland with appropriate size lock nut suitable for 3 core 2.5 sq mm armoured copper cable including all accessories as required. Make: Hensel M25 x 1.5 or equivalent							

		1					1.000	
	Total Quantity						1.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						1.000	each
	Say 1.000 each @ Rs 258.48 / each						Rs 258.48	
5	90.6.5.11 Supply and drawing the following sizes of multi-core PVC insulated & FRLS PVC sheathed 650/1100 V grade copper conductor round flexible cables conforming to IS 694 part I 1960 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.3 core 1.50 sq mm							
		1	14.000				14.000	
	Total Quantity						14.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						14.000	metre
	Say 14.000 metre @ Rs 82.42 / metre						Rs 1153.88	
6	od320791/2021_2022 Supply of one number PVC insulated and PVC sheathed / XLPE armoured Aluminium power cable of 1.1 KV grade of following sizes as required..3.5C x 35 Sq.mm - AI XLPE							
		1	10.000				10.000	
	Total Quantity						10.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						10.000	metre
	Say 10.000 metre @ Rs 236.23 / metre						Rs 2362.30	
7	od320792/2021_2022 Supply of one number PVC insulated and PVC sheathed / XLPE armoured Aluminium power cable of 1.1 KV grade of following sizes as required..4C x 16 Sq.mm - AI XLPE							
		1	45.000				45.000	
	Total Quantity						45.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						45.000	metre
	Say 45.000 metre @ Rs 152.57 / metre						Rs 6865.65	
8	od164347/2022_2023 Supply of one number PVC insulated and PVC sheathed / XLPE armoured Aluminium power cable of 1.1 KV grade of following sizes as required.4C 10 sqmm XLPE AI							
		1	105.000				105.000	
	Total Quantity						105.000	metre

							Total Deducted Quantity	0.000 metre
							Net Total Quantity	105.000 metre
							Say 105.000 metre @ Rs 118.12 / metre	Rs 12402.60
9	od320794/2021_2022 Supply of one number PVC insulated and PVC sheathed / XLPE armoured Aluminium power cable of 1.1 KV grade of following sizes as required. 2C x 10 sqmm							
		1	310.000					310.000
							Total Quantity	310.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	310.000 metre
							Say 310.000 metre @ Rs 112.22 / metre	Rs 34788.20
10	7.7.1 Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.Upto 35 sq. mm (clamped with 1mm thick saddle)							
		1	395.000					395.000
							Total Quantity	395.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	395.000 metre
							Say 395.000 metre @ Rs 45.53 / metre	Rs 17984.35
11	90.12.10.3 Supply & laying of DWC pipe in ordinary soil 0.75m below ground level including excavation 63/50 mm or nearest size							
		1	65.000					65.000
							Total Quantity	65.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	65.000 metre
							Say 65.000 metre @ Rs 296.29 / metre	Rs 19258.85
12	7.5.1 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.Upto 35 sq. mm							
		1	65.000					65.000
							Total Quantity	65.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	65.000 metre
							Say 65.000 metre @ Rs 36.15 / metre	Rs 2349.75

13	9.1.2 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.2 X 10 sq. mm (19mm)								
		38						38.000	
		Total Quantity						38.000 set	
		Total Deducted Quantity						0.000 set	
		Net Total Quantity						38.000 set	
		Say 38.000 set @ Rs 232.99 / set						Rs 8853.62	
14	9.1.21 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 35 sq. mm (32mm)								
		2						2.000	
		Total Quantity						2.000 set	
		Total Deducted Quantity						0.000 set	
		Net Total Quantity						2.000 set	
		Say 2.000 set @ Rs 352.16 / set						Rs 704.32	
15	9.1.33 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 16 sq. mm (28mm)								
		2						2.000	
		Total Quantity						2.000 set	
		Total Deducted Quantity						0.000 set	
		Net Total Quantity						2.000 set	
		Say 2.000 set @ Rs 293.24 / set						Rs 586.48	
16	9.1.32 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 10 sq. mm (25mm)								
		6						6.000	
		Total Quantity						6.000 set	
		Total Deducted Quantity						0.000 set	
		Net Total Quantity						6.000 set	
		Say 6.000 set @ Rs 257.09 / set						Rs 1542.54	
SI No	Description	No	L	B	D	CF	Quantity	Remark	

4 EARTHING							
1	od295089/2021_2022 Earthing with G.I. earth pipe 2.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (with charcoal/ coke and salt) as required.						
		5					5.000
	Total Quantity						5.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						5.000 each
	Say 5.000 each @ Rs 5449.18 / each						Rs 27245.90
2	od170032/2022_2023 Supply and fixing following size earth bench, fixing on surface of wall/parapet using iron screws, bench having holes for connecting earth strip/wires, making good the damages, colour washing etc as required. 25x3x400 mm Cu earth bench						
		9					9.000
	Total Quantity						9.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						9.000 each
	Say 9.000 each @ Rs 552.03 / each						Rs 4968.27
3	od169040/2022_2023 Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required. 3.15mm copper conductor (10 SWG) 						
		1	630.000				630.000
	Total Quantity						630.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						630.000 metre
	Say 630.000 metre @ Rs 83.93 / metre						Rs 52875.90
4	od169931/2022_2023 Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.6 SWG dia Copper						
		1	55.000				55.000
	Total Quantity						55.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						55.000 metre
	Say 55.000 metre @ Rs 174.81 / metre						Rs 9614.55
5	od169954/2022_2023						

	Supply and clamping the following size of strips on surface of wall/ parapet/ existing cable tray using clamps fabricated from 20 X 3 mm GI flat duly painted or heavy duty GI spacer saddles spacing of clamps not exceeding 1 m, making good the damages, colour washing etc. as required. 25 x 3 mm copper strip							
		1	200.000				200.000	
	Total Quantity						200.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						200.000 metre	
	Say 200.000 metre @ Rs 635.62 / metre						Rs 127124.00	
6	90.16.5.3 Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.3.15 mm (10 SWG)							
		58					58.000	
	Total Quantity						58.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						58.000 each	
	Say 58.000 each @ Rs 26.75 / each						Rs 1551.50	
7	90.16.5.5 Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.4.75 mm (6 SWG)							
		6					6.000	
	Total Quantity						6.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						6.000 each	
	Say 6.000 each @ Rs 28.75 / each						Rs 172.50	
SI No	Description	No	L	B	D	CF	Quantity	Remark
5 LIGHT FIXTURES AND FAN								
1	1.41 Installation, testing and commissioning of pre - wired, fluorescent fitting/ compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.							
		176					176.000	
	Total Quantity						176.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						176.000 each	
	Say 176.000 each @ Rs 196.83 / each						Rs 34642.08	

2	1.50.1 Installation of exhaust fan in the existing opening, including making good the damage connection testing, commissioning etc. as required.Upto 450 mm sweep	19					19.000	
		Total Quantity					19.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					19.000 each	
		Say 19.000 each @ Rs 425.80 / each					Rs 8090.20	
3	90.4.8 Charges for cutting holes suitable for accommodating exhaust fans up to 305mm sweep including plastering colour washing etc. as required.	19					19.000	
		Total Quantity					19.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					19.000 each	
		Say 19.000 each @ Rs 472.50 / each					Rs 8977.50	
4	od295143/2021_2022 Supply of following Exhaust fan in plastic frame working on 230 V AC including giving connection etc. as required. 250mm light duty exhaust fan. Make: Havells or equivalent	19					19.000	
		Total Quantity					19.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					19.000 each	
		Say 19.000 each @ Rs 1853.48 / each					Rs 35216.12	
5	od295146/2021_2022 Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required. 1200mm sweep ceiling fan complete with 300mm down rod , canopies, shackles and blades and resistance type regulator working on 230V/240V single phase A/C.(Make: Havells or Equivalent.)	59					59.000	
		Total Quantity					59.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					59.000 each	
		Say 59.000 each @ Rs 2140.34 / each					Rs 126280.06	

6	90.4.1 Supply and installation of suitable size MS rod type fan clamp in the RCC slab as per IS 732 as required.	59					59.000	
		Total Quantity					59.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					59.000 each	
		Say 59.000 each @ Rs 174.32 / each					Rs 10284.88	
7	od168890/2022_2023 Supply of 20W LED tube light fitting housing made of Extruded thermal polycarbonate with 6500K colour temperature with duly wired up for use on 230 V AC. The fittings shall be directly on ceiling/wall, including all accessories etc as required.	123					123.000	
		Total Quantity					123.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					123.000 each	
		Say 123.000 each @ Rs 570.38 / each					Rs 70156.74	
8	od295163/2021_2022 Supply and fixing 9W LED bulb in existing fitting including all accessories as required. Make:Wipro or eq	76					76.000	
		Total Quantity					76.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					76.000 each	
		Say 76.000 each @ Rs 126.50 / each					Rs 9614.00	
9	od168871/2022_2023 Supply of 7W LED bulkhead fitting (IP 65), housing made of die cast aluminium with 6500K colour temperature with a lumen output minimum 100lumen/Watt, CRI>80,beam angle 120 degrees, suitable for outdoor applications, including all connections etc. as required. Make -Philips -Vista glow or equivalent	53					53.000	
		Total Quantity					53.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					53.000 each	
		Say 53.000 each @ Rs 871.13 / each					Rs 46169.89	
10	od168868/2022_2023 Supply,installation, testing and commissioning of 60W LED Street light fixture, housing made of powder coated pressure die-cast Aluminium suitable for outdoor application ,along with complete accessories, Lumen output 6000 Lumen, PF 0.95,IP-66,having colour temperature of 5700K, THD<10,							

	CRI>70 in existing pole including all necessary accessories and connections etc as required . Make: Wipro LR02-671-XXX-57-G2 or equivalent								
		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 6270.22 / each					Rs 12540.44		
11	90.15.3.3 Supply installation testing and commissioning of Octogaonal Pole made of hot dip galvanised GI sheet 70 mm top diameter, 130 mm bottom diameter thickness 3mm base plate dimensions of 200x200x12 mm suitable for wind speed as per IS 875 Part III single arm bracket 0.5mt including connector foundation bolt 4 nos fixed in existing RCC foundation and junction box etc. complete 6 Meters								
		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 21171.44 / each					Rs 42342.88		
12	od163555/2022_2023 Supply and installation of 10cm DIN rail for fixing SP MCB in the existing street light poles as required								
		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 82.21 / each					Rs 164.42		
13	od163852/2022_2023 Supply and fixing of 25cmX12cm hylam sheet for covering the junction box opening in the existing street light poles as required								
		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 128.97 / each					Rs 257.94		
14	od164049/2022_2023 Supply and installation of loop in loop out connector in the existing street light poles as required.								
		2					2.000		
		Total Quantity					2.000	each	

SI No	Description	No	L	B	D	CF	Quantity	Remark
Total Deducted Quantity							0.000	each
Net Total Quantity							2.000	each
Say 2.000 each @ Rs 162.35 / each							Rs 324.70	
6 PANELS								
1	od321329/2021_2022 Supply installation testing commissioning of Metering Panel 1, cubicle type, made out of 1.6mm thick CRCA sheet, totally enclosed, free standing, wall/floor mounting, dust and vermin proof, powder coated, indoor, compartmentalized, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with busbars extendable on both sides, including internal wiring with suitable size wires, rotary handle, spreaders, 3mm thick gland plate, hinged type door with neoprene gasket etc. The panel shall include supply & installation of following switchgears, metering instruments and accessories as per specification. Provision for 1 phase KSEB meter - 8nos, Incomer- 63A 4P TM MCCB 16kA-1no, Outgoings-25A DP MCB 10kA-8 nos, 25 A DP cutout fuse-8 nos (Rate Energy meters is not included in the Estimate)	1					1.000	
Total Quantity							1.000	each
Total Deducted Quantity							0.000	each
Net Total Quantity							1.000	each
Say 1.000 each @ Rs 119637.21 / each							Rs 119637.21	
2	od321331/2021_2022 Supply, installation, testing & commissioning of Metering panel 2, cubicle type, made out of 1.6mm thick CRCA sheet, totally enclosed, free standing, wall/floor mounting, dust and vermin proof, powder coated, indoor, compartmentalised, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with busbars extendable on both sides, including internal wiring with suitable size wires, rotary handle, spreaders,3mm thick gland plate, hinged type door with neoprene gasket etc. The panel shall include supply & installation of following switchgears, metering instruments and accessories as per specification. Provision for fixing 1 Ph Energy meter-8 no, Incomer: 63A FP TM MCCB 16kA - 1 no, Outgoings- 25A DP MCB -8 nos, 25A DP COF- 8 nos(Rate of energy meter is not included)	1					1.000	
Total Quantity							1.000	each
Total Deducted Quantity							0.000	each
Net Total Quantity							1.000	each
Say 1.000 each @ Rs 119637.21 / each							Rs 119637.21	
3	od321333/2021_2022 Supply ,installation,testing and commissioning of Metering Panel 3, cubicle type, made out of 1.6mm thick CRCA sheet, totally enclosed , free standing, wall/floor mounting, dust and vermin proof powder coated, indoor compartmentalised suitable for operation on 3 phase and neutral, 415V, 50 Hz AC system with busbars extendable on both sides, including internal wiring with suitable size wires, rotary handle , spreaders ,3mm thick gland plate hinged type door with neoprene gasket etc. The panel shall include							

	supply and installation of following switchgears, metering instruments and accessories as per specification. Provision for fixing 1phase KSEB meter-2nos and 3phase KSEB meter with CT- 1no. Incomer: 125A FP TM MCCB 25kA - 1no, Outgoing : 25A DP MCB 10kA-2 nos, 25A DP COF- 2 nos, 63A FP TM MCCB 16kA- 1 no, 63A FP COF-3 nos. (Rate of Energy meters and CT is not included in the Estimate)						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 67991.11 / each						Rs 67991.11
4	od321383/2021_2022 Supply, installation, testing & commissioning of common panel, cubicle type, made out of 1.6mm thick CRCA sheet, totally enclosed, free standing, floor/wall mounting, dust and vermin proof, powder coated, indoor, compartmentalized, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with busbars extendable on both sides, including internal wiring with suitable size wires, rotary handle, spreaders, 3mm thick gland plate, hinged type door with neoprene gasket etc. The panel shall include supply & installation of following switchgears, metering instruments and accessories as per specification. Meters and indication lamps : RYB indication, MFM (Voltage, Ammeter, Frequency And Power Factor) with control fuses and CT's. Incomer: 63A FP MCCB 16kA (Thermal Magnetic) - 1no, 63A FP COS - 1no. Outgoings: 40A FP isolator-1nos, 25A DP MCB 10kA-1nos. 25A FP MCB 10kA- 2 nos. Accessories as per schematic drawing.						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 69199.07 / each						Rs 69199.07
5	od168863/2022_2023 Supply, installation, testing & commissioning of fire panel, cubicle type, made out of 1.6mm thick CRCA sheet, totally enclosed, free standing, floor/wall mounting, dust and vermin proof, powder coated, indoor, compartmentalized, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with busbars extendable on both sides, including internal wiring with suitable size wires, rotary handle, spreaders, 3mm thick gland plate, hinged type door with neoprene gasket etc. The panel shall include supply & installation of following switchgears, metering instruments and accessories as per specification. Meters and indication lamps : RYB indication, MFM (Voltage, Ammeter, Frequency And Power Factor) with control fuses and CT's. Incomer: 40A FP isolator-1 no. Outgoings:25A FP isolator-2 nos.						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each

SI No	Description	No	L	B	D	CF	Quantity	Remark
Say 1.000 each @ Rs 48240.59 / each							Rs 48240.59	
7 DG								
1	od163635/2022_2023 Supply, installation, testing and commissioning of 20kVA/16kW three phase DG Set incorporating Diesel Engine developing 32 BHP at 1500RPM, radiator Cooled, Coupled Alternator rated at 16kW/20kVA, 415V, mounted on a Channel Iron Base Frame complete with Fuel Tank, Battery, Control Panel and other Standard Accessories with suitable CPCB Norms Approved Factory Assembled Acoustic Enclosure.							
		1					1.000	
Total Quantity							1.000 each	
Total Deducted Quantity							0.000 each	
Net Total Quantity							1.000 each	
Say 1.000 each @ Rs 398317.53 / each							Rs 398317.53	
SI No	Description	No	L	B	D	CF	Quantity	Remark
8 MISCELLANEOUS ITEMS								
1	od163834/2022_2023 Preparation of all drawings, submitting and getting approval arranging inspection from KSEB, obtaining power allocation & permanent power connection etc and commissioning of the whole installation in the premises. All statutory payments will be reimbursed on production of the original receipts.							
		3					3.000	
Total Quantity							3.000 job	
Total Deducted Quantity							0.000 job	
Net Total Quantity							3.000 job	
Say 3.000 job @ Rs 8000.00 / job							Rs 24000.00	
2	od163844/2022_2023 Preparation of all drawings, submitting and getting approval from Electrical Inspectorate, submitting of completion certificates and arranging inspection, getting sanction and energisation certificates from Electrical Inspectorate and commissioning of the whole installation in the premises. All statutory payments will be reimbursed on production of the original receipts.							
		1					1.000	
Total Quantity							1.000 job	
Total Deducted Quantity							0.000 job	
Net Total Quantity							1.000 job	
Say 1.000 job @ Rs 12000.00 / job							Rs 12000.00	
3	od165956/2022_2023 Supply and fixing framed shock treatment chart as required.							

		3					3.000	
	Total Quantity						3.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						3.000	each
	Say 3.000 each @ Rs 553.17 / each						Rs 1659.51	
4	od166000/2022_2023 Supply and providing 2.00 mm thick, 3.3 kV, Synthetic elastomeric fire retardant insulating sheet.							
		6					6.000	
	Total Quantity						6.000	sqm
	Total Deducted Quantity						0.000	sqm
	Net Total Quantity						6.000	sqm
	Say 6.000 sqm @ Rs 1620.10 / sqm						Rs 9720.60	
Provision for GST payments (in %) @						0.0%		
Amount reserved for GST payments						0.00		
Total						2467669.00		
Lumpsum for round off						0.00		
						TOTAL Rs 2467669.00		
						Rounded Total Rs 24,67,669		
						Rupees Twenty Four Lakh Sixty Seven Thousand Six Hundred and Sixty Nine Only		

(Cost Index Applied for this estimate is 33.9%)

Data Analysis

MCCB, MCB AND DB's

1 Specification Code: od294863/2021_2022

od294863/2021_2022 : Supply, installation, testing and commissioning of thermoplastic polycarbonate 3 Module MCB DB in accordance with IEC60529 with transparent hinged cover environment friendly, recyclable, UV resistant, halogen & silicon free, anti acid & anti corrosive enclosure having size not less than 102x197x92mm as required. Make: Hensel - Catalogue No. KV 7103 or equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	3 module thermoplastic MCB DB	each	1.00000	1500.00	1500.00
	Add Cartage@1.00				15.00
	total				1515.00
Total Cost of Materials					1515.0
1001	Wireman	Day	0.20000	673.00	134.60
1007	Khallasi	Day	0.10000	553.00	55.30
Other Engineering Organisations TOTAL					1704.9
Add CPOH @ 15%					255.73
cost for one each					1961.0
Say					1961.0
Cost index 33.9 %					74.24
Total with Cost index					2035.24
Say					2035.24

2 Specification Code: od295086/2021_2022

od295086/2021_2022 : Supplying and fixing thermoplastic polycarbonate cable junction boxes (IP67) with 5Pole terminals suitable for 2.5 sqmm cable etc complete with connections, testing and commissioning etc. as required. Make -Hensel or equivalent

Code	Description	Unit	Quantity	Rate	Amount
------	-------------	------	----------	------	--------

MR	Thermoplastic enclosure with 5 pole terminals	each	1.00000	550.00	550.00
	Add Cartage@1.00				5.50
	total				555.50
Total Cost of Materials					555.5
1001	Wireman	Day	0.10000	673.00	67.30
1007	Khallasi	Day	0.12000	553.00	66.36

TOTAL	689.16
Add CPOH @ 15%	103.37
cost for one each	793.0
Say	793.0
Cost index 33.9 %	52.21
Total with Cost index	845.21
Say	845.21

Other Engineering Organisations

MV CABLE LAYING
1 Specification Code: od295080/2021_2022

od295080/202 Supply of one number PVC insulated and PVC sheathed armoured copper control 1_2022 : cable of 1.1KV grade of the following sizes.
3C x 2.5 sqmm

Code	Description	Unit	Quantity	Rate	Amount
MR889	2.5 sqmm 3 core PVC / XLPE insulated armoured control cables with copper conductors for working voltages up to and including 1100 V conforming to IS 1554 part I 1988 for PVC and IS 7098 Part I for XLPE	metre	1.00000	121.19	121.19
	Add Cartage@1.00				1.21
	total				122.40

TOTAL	122.4
Add CPOH @ 15%	18.36
cost for one metre	141.0
Say	141.0

Cost index 33.9 %	.00
Total with Cost index	141.00
Say	141.00

2 Specification Code: od295081/2021_2022

od295081/2021_2022 : Supplying and making end termination with brass compression gland and copper lugs for following size of PVC insulated and PVC sheathed copper conductor cable of 1.1 kV grade as required.3Cx 2.5 sqmm

Code	Description	Unit	Quantity	Rate	Amount
2101	Brass compression gland (19 mm) for 2 X 6 sq. mm 1.1 KV grade cable	set	1.00000	26.00	26.00
	Add Cartage@1.00				0.26
	total				26.26
MR904	Tubular Copper sockets for 2.5 sqmm cable	each	3.00000	3.14	9.42
	Add Cartage@1.00				0.09
	total				9.51
Total Cost of Materials					35.77
1002	Cable jointer	Day	0.10000	673.00	67.30
1007	Khallas	Day	0.10000	553.00	55.30
TOTAL					158.37
Add CPOH @ 15%					23.76
cost for one each					182.0

Say	182.0
Cost index 33.9 %	57.97
Total with Cost index	239.97
Say	239.97

3 Specification Code: od164052/2022_2023

od164052/2022_2023 : Supply and fixing (IP68) thermoplastic polyamide cable gland with appropriate size lock nut suitable for 3core 2.5 sq mm armoured copper cable including all accessories as required. Make: Hensel M25 x 1.5 or equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	cable gland and locknut	each	1.00000	60.00	60.00
	Add Cartage@1.00				0.60
	total				60.60
Other Engineering Organizations Total Cost of Materials					60.6
1002	Cable jointer	Day	0.10000	673.00	67.30
1007	Khallasi	Day	0.10000	553.00	55.30
TOTAL					183.2
Add CPOH @ 15%					27.48
cost for one each					211.0
Say					211.0
Cost index 33.9 %					47.80
Total with Cost index					258.80
Say					258.80

4 Specification Code: od320791/2021_2022

od320791/2022 Supply of one number PVC insulated and PVC sheathed / XLPE armoured

1_2022 : Aluminium power cable of 1.1 KV grade of following sizes as required..3.5C x 35 Sq.mm - Al XLPE

Code	Description	Unit	Quantity	Rate	Amount
MR795	35 sqmm 3.5 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE	metre	1.00000	203.39	203.39
	Add Cartage@1.00				2.03
	total				205.42
TOTAL					205.42
Add CPOH @ 15%					30.81
cost for one metre					236.0
Say					236.0
Cost index 33.9 %					.00
Total with Cost index					236.00
Say					236.00

5 Specification Code: od320792/2021_2022

od320792/2021_2022 : Supply of one number PVC insulated and PVC sheathed / XLPE armoured Aluminium power cable of 1.1 KV grade of following sizes as required..4C x 16 Sq.mm - Al XLPE

Code	Description	Unit	Quantity	Rate	Amount
------	-------------	------	----------	------	--------

MR808	16 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE	metre	1.00000	131.36	131.36
	Add Cartage@1.00				1.31
	total				132.67

TOTAL	132.67
Add CPOH @ 15%	19.90
cost for one metre	153.0
Say	153.0
Cost index 33.9 %	.00
Total with Cost index	153.00
Say	153.00

Other Engineering Organisations

6 Specification Code: od164347/2022_2023

PRICE

od164347/2022_2023 : Supply of one number PVC insulated and PVC sheathed / XLPE armoured Aluminium power cable of 1.1 KV grade of following sizes as required.4C 10 sqmm XLPE AI

Code	Description	Unit	Quantity	Rate	Amount
MR807	10 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE	metre	1.00000	101.69	101.69
	Add Cartage@1.00				1.02
	total				102.71

TOTAL	102.71
Add CPOH @ 15%	15.41
cost for one metre	118.0
Say	118.0

Cost index 33.9 %	.00
Total with Cost index	118.00
Say	118.00

7 Specification Code: od320794/2021_2022

od320794/2021_2022 : Supply of one number PVC insulated and PVC sheathed / XLPE armoured Aluminium power cable of 1.1 KV grade of following sizes as required. 2C x 10 sqmm

Code	Description	Unit	Quantity	Rate	Amount
MR772	10 sqmm 2 core PVC/ XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part/1988 for PVC IS 7098/part I for XLPE	metre	1.00000	96.61	96.61
	Add Cartage@1.00				0.97
	total				97.58
TOTAL					97.58
Add CPOH @ 15%					14.64
cost for one metre					112.0
Say					112.0
Cost index 33.9 %					.00
Total with Cost index					112.00
Say					112.00

EARTHING

1 Specification Code: od295089/2021_2022

od295089/2021_2022 : Earthing with G.I. earth pipe 2.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (with charcoal/ coke and salt) as required.

Code	Description	Unit	Quantity	Rate	Amount
2919	G.I. nuts and through bolts with washer	each	1.00000	26.00	26.00
	Add Cartage@1.00				0.26
	total				26.26
2941	Charcoal	kg	64.00000	8.00	512.00
	Add Cartage@1.00				5.12
	total				517.12
2943	Salt	kg	5.00000	8.00	40.00
	Add Cartage@1.00				0.40
	total				40.40
2948	Cement	tonne	0.01000	6300.00	63.00
	Add Cartage@1.00				0.63
	total				63.63
2946	Fine sand	cum	0.03000	806.00	24.18
	Add Cartage@1.00				0.24
	total				24.42
2826	40 mm dia. G.I. pipe (medium class)	metre	2.62500	239.00	627.38
	Add Cartage@1.00				6.27
	total				633.65
2922	CI/MS cover plate hinged to FRL Same with Locking arrangement	each	1.00000	277.00	277.00

	Add Cartage@1.00				2.77
		total			279.77
2836	40 mm to 20 mm reducer	each	1.00000	33.00	33.00
	Add Cartage@1.00				0.33
		total			33.33
2918	Funnel	each	1.00000	19.00	19.00
	Add Cartage@1.00				0.19
		total			19.19
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	each	50.00000	4.00	200.00
	Add Cartage@1.00				2.00
		total			202.00
Total Cost of Materials					1839.77
1001	Wireman	Day	0.50000	673.00	336.50
1007	Khallasi	Day	0.50000	553.00	276.50
1010	Mason, Grade 2	Day	0.20000	612.00	122.40
1012	Beldar/coolie	Day	1.20000	553.00	663.60
1083	Drilling of 46 Nos 12 mm dia holes on G.I pipe	L.S	1.00000	300.00	300.00

TOTAL	3538.77
Add CPOH @ 15%	530.82
cost for one each	4070.0
Say	4070.0
Cost index 33.9 %	1379.73
Total with Cost index	5449.73
Say	5449.73

2 Specification Code: od170032/2022_2023

Supply and fixing following size earth bench, fixing on surface of od170032/202 wall/parapet
using iron screws, bench having holes for connecting earth 2_2023 : strip/wires, making
good the damages, colour washing etc as required. 25x3x400 mm Cu earth
bench

Code	Description	Unit	Quantity	Rate	Amount
2901	20 mm X 3 mm copper tape (0.533 kg/mtr)	kg	0.32000	538.00	172.16
	Add Cartage@1.00				1.72
	total				173.88
2852	Iron screws, 35 mm X 6 mm	each	2.00000	1.00	2.00
	Add Cartage@1.00				0.02
	total				2.02
Total Cost of Materials					175.9
1001	Wireman	Day	0.10000	673.00	67.30
1007	Khallas	Day	0.10000	553.00	55.30
1084	Drilling holes	each	10.00000	6.00	60.00
TOTAL					358.5
Add CPOH @ 15%					53.77
cost for one each					412.0
Say					412.0
Cost index 33.9 %					139.67
Total with Cost index					551.67
Say					551.67

3 Specification Code: od169040/2022_2023

od169040/202 Supply and drawing bare earthing conductors of the following sizes along 2_2023 : with
wiring/ cables and giving connection as required. 3.15mm copper

conductor
(10 SWG)

Code	Description	Unit	Quantity	Rate	Amount
2904	8 SWG copper wire (4.0 mm dia)	kg	3.69000	540.00	1992.60
	Add Cartage@1.00				19.93
	Add Wastage@5.00				99.63
	total				2112.16
Total Cost of Materials					2112.16
1001	Wireman	Day	0.50000	673.00	336.50
1016	Mate	Day	0.50000	553.00	276.50
TOTAL					2725.16
Add CPOH @ 15%					408.77
cost for 50.0 metre					3133.93
cost for one metre					63.0
Say					63.0
Cost index 33.9 %					21.36
Total with Cost index					84.36
Say					84.36

4 Specification Code: od169931/2022_2023

od169931/202 Supply and drawing bare earthing conductors of the following sizes along 2_2023 : with
wiring/ cables and giving connection as required.6 SWG dia Copper

Code	Description	Unit	Quantity	Rate	Amount
2904	8 SWG copper wire (4.0 mm dia)	kg	8.31000	540.00	4487.40
	Add Cartage@1.00				44.87
	Add Wastage@5.00				224.37
	total				4756.64

Total Cost of Materials					4756.64
1001	Wireman	Day	0.75000	673.00	504.75
1016	Mate	Day	0.75000	553.00	414.75

TOTAL					5676.14
Add CPOH @ 15%					851.42
cost for 50.0 metre					6527.56
cost for one metre					131.0
Say					131.0
Cost index 33.9 %					44.41
Total with Cost index					175.41
Say					175.41

5 Specification Code: od169954/2022_2023

od169954/2022_2023 : Supply and clamping the following size of strips on surface of wall/ parapet/ existing cable tray using clamps fabricated from 20 X 3 mm GI flat duly painted or heavy duty GI spacer saddles spacing of clamps not exceeding 1 m, making good the damages, colour washing etc. as required. 25 x 3 mm copper strip

Code	Description	Unit	Quantity	Rate	Amount
2902	25 mm X 5 mm copper tape (1.15 kg/mtr)	kg	6.67000	538.00	3588.46
	Add Cartage@1.00				35.88
	total				3624.34
2911	20 mm X 3 mm G.I. Tape (0.461 kg/mtr)	kg	0.49000	61.00	29.89
	Add Cartage@1.00				0.30
	total				30.19
2852	Iron screws, 35 mm X 6 mm	each	20.0000 0	1.00	20.00

	Add Cartage@1.00				0.20
	Add Wastage@5.00				1.00
		total			21.20
Total Cost of Materials					3675.73
1001	Wireman	Day	0.25000	673.00	168.25
1009	Blacksmith, Grade 1	Day	0.12500	612.00	76.50
1007	Khallasi	Day	0.37500	553.00	207.38

TOTAL		4127.86
Add CPOH @ 15%		619.18
cost for 10.0 metre		4747.04
cost for one metre		475.0
Say		475.0
Cost index 33.9 %		161.03
Total with Cost index		636.03
Other Engineering Organisations Say		636.03

PRICE

LIGHT FIXTURES AND FAN	
1 Specification Code: od295143/2021_2022	

od295143/2021_2022 : Supply of following Exhaust fan in plastic frame working on 230 V AC including giving connection etc. as required.
250mm light duty exhaust fan. Make: Havells or equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	250mm light duty exhaust fan	each	1.00000	1595.76	1595.76
	Add Cartage@1.00				15.96
		total			1611.72
TOTAL					1611.72
Add CPOH @ 15%					241.76

cost for one each	1853.0
Say	1853.0

Cost index 33.9 %	.00
Total with Cost index	1853.00
Say	1853.00

2 Specification Code: od295146/2021_2022
--

od295146/2021_2022 : Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required.
1200mm sweep ceiling fan complete with 300mm down rod , canopies, shackles and blades and resistance type regulator working on 230V/240V single phase A/C.(Make: Havells or Equivalent.)

Code	Description	Unit	Quantity	Rate	Amount
MR	Ceiling fan	each	1.00000	1610.17	1610.17
	Add Cartage@1.00				16.10
	total				1626.27
Total Cost of Materials					1626.27
90.4.3	Rate as per item number 90.4.3 of SH: OD Electrical	each	1.00000	197.00	197.00
TOTAL					1626.27
Add CPOH @ 15%					273.49
cost for one each					2097.0
Say					2097.0
Cost index 33.9 %					43.73
Total with Cost index					2140.73
Say					2140.73

3 Specification Code: od168890/2022_2023

Supply of 20W LED tube light fitting housing made of Extruded od168890/202 thermal polycarbonate with 6500K colour temperature with duly wired up for 2_2023 : use on 230 V AC. The fittings shall be directly on ceiling/ wall, including all accessories etc as required.

Code	Description	Unit	Quantity	Rate	Amount
MR1160	1200mm, 20W LED Tube	each	1.00000	491.07	491.07
	Add Cartage@1.00				4.91
	total				495.98
TOTAL					495.98
Add CPOH @ 15%					74.40
cost for one each					570.0
Say					570.0
Cost index 33.9 %					.00
Total with Cost index					570.00
Say					570.00

4 Specification Code: od295163/2021_2022

od295163/202 Supply and fixing 9W LED bulb in existing fitting including all accessories as 1_2022 : required. Make:Wipro or eq

Code	Description	Unit	Quantity	Rate	Amount
MR	9W Bulb	each	1.00000	110.00	110.00
	Add Cartage@1.00				1.10
	total				111.10
TOTAL					111.1

Add CPOH @ 15%	16.66
cost for one each	127.0
Say	127.0

Cost index 33.9 %	.00
Total with Cost index	127.00
Say	127.00

5 Specification Code: od168871/2022_2023

od168871/2022_2023 : Supply of 7W LED bulkhead fitting (IP 65), housing made of die cast aluminium with 6500K colour temperature with a lumen output minimum 100lumen/Watt, CRI>80, beam angle 120 degrees, suitable for outdoor applications, including all connections etc. as required. Make -Philips -Vista glow or equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	7W bulkhead	each	1.00000	750.00	750.00
	Add Cartage@1.00				7.50
	total				757.50
TOTAL					757.5
Add CPOH @ 15%					113.62
cost for one each					871.0
Say					871.0
Cost index 33.9 %					.00
Total with Cost index					871.00
Say					871.00

6 Specification Code: od168868/2022_2023

Supply, installation, testing and commissioning of 60W LED Street light fixture,
housing made of powder coated pressure die-cast Aluminium suitable od168868/202 for outdoor application ,along with complete accessories, Lumen output 6000
2_2023 : Lumen, PF 0.95, IP-66, having colour temperature of 5700K, THD<10, CRI>70 in existing pole including all necessary accessories and connections etc as required . Make: Wipro LR02-671-XXX-57-G2 or equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	60W LED street light	each	1.00000	5000.00	5000.00
	Add Cartage@1.00				50.00
	total				5050.00
Total Cost of Materials					5050.0
1001	Wireman	Day	0.20000	673.00	134.60
1007	Khallasi	Day	0.30000	553.00	165.90
TOTAL					5350.5
Add CPOH @ 15%					802.58
cost for one each					6153.0
Say					6153.0
Cost index 33.9 %					116.96
Total with Cost index					6269.96
Say					6269.96

7 Specification Code: od163555/2022_2023

od163555/202 Supply and installation of 10cm DIN rail for fixing SP MCB in the existing street
2_2023 : light poles as required

Code	Description	Unit	Quantity	Rate	Amount
MR	10cm DIN rail	each	1.00000	17.25	17.25
	Add Cartage@1.00				0.17

		total				17.42
Total Cost of Materials						17.42
1001	Wireman	Day	0.06000	673.00		40.38

TOTAL						57.8
Add CPOH @ 15%						8.67
cost for one each						66.0
Say						66.0
Cost index 33.9 %						15.59
Total with Cost index						81.59
Say						81.59

8 Specification Code: od163852/2022_2023

od163852/202 Supply and fixing of 25cmX12cm hylam sheet for covering the junction 2_2023 : box
opening in the existing street light poles as required

Code	Description	Unit	Quantity	Rate	Amount	
MR	25cmX12cm hylam sheet	each	1.00000	57.50	57.50	
	Add Cartage@1.00				0.58	
	total				58.08	
Total Cost of Materials					58.08	
1001	Wireman	Day	0.06000	673.00	40.38	
TOTAL						98.46
Add CPOH @ 15%						14.77
cost for one each						113.0
Say						113.0
Cost index 33.9 %						15.59
Total with Cost index						128.59

Say	128.59
-----	--------

9 Specification Code: od164049/2022_2023

od164049/202 Supply and installation of loop in loop out connector in the existing street light 2_2023 : poles as required.

Code	Description	Unit	Quantity	Rate	Amount
MR	Loop in - out connector	each	1.00000	86.25	86.25
	Add Cartage@1.00				0.86
	total				87.11
Total Cost of Materials					87.11
1001	Wireman	Day	0.06000	673.00	40.38
TOTAL					127.49
Add CPOH @ 15%					19.12
Other Engineering Organisations cost for one each					147.0
Say					147.0
Cost index 33.9 %					15.93
Total with Cost index					162.93
Say					162.93

PANELS

1 Specification Code: od321329/2021_2022

Supply installation testing commissioning of Metering Panel 1, cubicle type, made out of 1.6mm thick CRCA sheet, totally enclosed, free standing, wall/floor od321329/202 mounting, dust and vermin proof, powder coated, indoor, compartmentalized, 1_2022 : suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with busbars extendable on both sides, including internal wiring with suitable size wires, rotary handle, spreaders, 3mm thick gland plate, hinged type door with

neoprene gasket etc. The panel shall include supply & installation of following switchgears, metering instruments and accessories as per specification. Provision for 1 phase KSEB meter - 8nos, Incomer- 63A 4P TM MCCB 16kA-1no, Outgoings-25A DP MCB 10kA-8 nos, 25 A DP cutout fuse-8 nos
(Rate Energy meters is not included in the Estimate)

Code	Description	Unit	Quantity	Rate	Amount
MR	Metering panel 1	each	1.00000	100315.00	100315.00
	Add Cartage@1.00				1003.15
	total				101318.15
2862	32mm X 8mm bolts & nuts	each	4.00000	4.30	17.20
	Add Cartage@1.00				0.17
	total				17.37
MR2112	Spring washer for M8 nut	each	4.00000	0.25	1.00
	Add Cartage@1.00				0.01
	total				1.01
Total Cost of Materials					101336.53
1001	Wireman	Day	1.20000	673.00	807.60
1007	Khallasi	Day	1.20000	553.00	663.60
MR719	Wireman Helper	Day	1.20000	600.00	720.00
TOTAL					103527.73
Add CPOH @ 15%					15529.16
cost for one each					119057.0
Say					119057.0
Cost index 33.9 %					580.37
Total with Cost index					119637.37
Say					119637.37

2 Specification Code: od321331/2021_2022

od321331/2021_2022 :

Supply, installation, testing & commissioning of Metering panel 2, cubicle type, made out of 1.6mm thick CRCA sheet, totally enclosed, free standing, wall/floor mounting, dust and vermin proof, powder coated, indoor, compartmentalised, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with busbars extendable on both sides, including internal wiring with suitable size wires, rotary handle, spreaders, 3mm thick gland plate, hinged type door with neoprene gasket etc. The panel shall include supply & installation of following switchgears, metering instruments and accessories as per specification. Provision for fixing 1 Ph Energy meter-8 no, Incomer: 63A FP TM MCCB 16kA - 1 no, Outgoings- 25A DP MCB -8 nos, 25A DP COF- 8 nos(Rate of energy meter is not included)

Code	Description	Unit	Quantity	Rate	Amount
MR	Metering panel 2	each	1.00000	100315.00	100315.00
	Add Cartage@1.00				1003.15
	total				101318.15
2862	32mm X 8mm bolts & nuts	each	4.00000	4.30	17.20
	Add Cartage@1.00				0.17
	total				17.37
MR2112	Spring washer for M8 nut	each	4.00000	0.25	1.00
	Add Cartage@1.00				0.01
	total				1.01
Total Cost of Materials					101336.53
1001	Wireman	Day	1.20000	673.00	807.60
1007	Khallasi	Day	1.20000	553.00	663.60
MR719	Wireman Helper	Day	1.20000	600.00	720.00
TOTAL					103527.73
Add CPOH @ 15%					15529.16

cost for one each	119057.0
Say	119057.0

Cost index 33.9 %	580.37
Total with Cost index	119637.37
Say	119637.37

3 Specification Code: od321333/2021_2022

Supply ,installation,testing and commissioning of Metering Panel 3, cubicle type, made out of 1.6mm thick CRCA sheet, totally enclosed , free standing, wall/floor mounting, dust and vermin proof powder coated, indoor compartmentalised suitable for operation on 3 phase and neutral, 415V, 50 Hz AC system with busbars extendable on both sides, including internal wiring with suitable size od321333/202 wires, rotary handle , spreaders ,3mm thick gland plate hinged type door with 1_2022 : neoprene gasket etc. The panel shall include supply and installation of following switchgears, metering instruments and accessories as per specification. Provision for fixing 1phase KSEB meter-2nos and 3phase KSEB meter with CT- 1no. Incomer: 125A FP TM MCCB 25kA - 1no, Outgoing ; 25A DP MCB 10kA-2 nos, 25A DP COF- 2 nos, 63A FP TM MCCB 16kA- 1 no, 63A FP COF-3 nos. (Rate of Energy meters and CT is not included in the Estimate)

Code	Description	Unit	Quantity	Rate	Amount
MR	Metering panel 3	each	1.00000	55850.00	55850.00
	Add Cartage@1.00				558.50
	total				56408.50
2862	32mm X 8mm bolts & nuts	each	4.00000	4.30	17.20
	Add Cartage@1.00				0.17
	total				17.37
MR2112	Spring washer for M8 nut	each	4.00000	0.25	1.00
	Add Cartage@1.00				0.01

		total				1.01
					Total Cost of Materials	56426.88
1001	Wireman	Day	1.20000	673.00		807.60
1007	Khallasi	Day	1.20000	553.00		663.60
MR719	Wireman Helper	Day	1.20000	600.00		720.00

					TOTAL	58618.08
					Add CPOH @ 15%	8792.71
					cost for one each	67411.0
					Say	67411.0
					Cost index 33.9 %	580.37
					Total with Cost index	67991.37
					Say	67991.37

4 Specification Code: od321383/2021_2022

Other Engineering Organisations

od321383/2021_2022 : Supply, installation, testing & commissioning of common panel, cubicle type, made out of 1.6mm thick CRCA sheet, totally enclosed, free standing, floor/wall mounting, dust and vermin proof, powder coated, indoor, compartmentalized, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with busbars extendable on both sides, including internal wiring with suitable size wires, rotary handle, spreaders, 3mm thick gland plate, hinged type door with neoprene gasket etc. The panel shall include supply & installation of following switchgears, metering instruments and accessories as per specification. Meters and indication lamps : RYB indication, MFM (Voltage, Ammeter, Frequency And Power Factor) with control fuses and CT's. Incomer: 63A FP MCCB 16kA (Thermal Magnetic) - 1no, 63A FP COS - 1no. Outgoings: 40A FP isolator-1nos, 25A DP MCB 10kA-1nos. 25A FP MCB 10kA- 2 nos. Accessories as per schematic drawing.

Code	Description	Unit	Quantity	Rate	Amount
------	-------------	------	----------	------	--------

MR	Common Panel	each	1.00000	56890.00	56890.00
	Add Cartage@1.00				568.90
	total				57458.90
2862	32mm X 8mm bolts & nuts	each	4.00000	4.30	17.20
	Add Cartage@1.00				0.17
	total				17.37
MR2112	Spring washer for M8 nut	each	4.00000	0.25	1.00
	Add Cartage@1.00				0.01
	total				1.01
Total Cost of Materials					57477.28
1001	Wireman	Day	1.20000	673.00	807.60
1007	Khallasi	Day	1.20000	553.00	663.60
MR719	Wireman Helper	Day	1.20000	600.00	720.00

Other Engineering Organisations	TOTAL	59668.48
Add CPOH @ 15%		8950.27
cost for one each		68619.0
Say		68619.0
Cost index 33.9 %		580.37
Total with Cost index		69199.37
Say		69199.37

5 Specification Code: od168863/2022_2023

od168863/2022_2023 :

Supply, installation, testing & commissioning of fire panel, cubicle type, made out of 1.6mm thick CRCA sheet, totally enclosed, free standing, floor/wall mounting, dust and vermin proof, powder coated, indoor, compartmentalized, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with busbars extendable on both sides, including internal wiring with suitable size wires, rotary

handle, spreaders, 3mm thick gland plate, hinged type door with neoprene gasket etc. The panel shall include supply & installation of following switchgears, metering instruments and accessories as per specification. Meters and indication lamps : RYB indication, MFM (Voltage, Ammeter, Frequency And Power Factor) with control fuses and CT's. Incomer: 40A FP isolator-1 no. Outgoings:25A FP isolator-2 nos.

Code	Description	Unit	Quantity	Rate	Amount
MR	Fire panel	each	1.00000	39555.00	39555.00
	Add Cartage@1.00				395.55
	total				39950.55
2862	32mm X 8mm bolts & nuts	each	4.00000	4.30	17.20
	Add Cartage@1.00				0.17
	total				17.37
MR2112	Spring washer for M8 nut	each	4.00000	0.25	1.00
	Add Cartage@1.00				0.01
	total				1.01
Total Cost of Materials					39968.93
1001	Wireman	Day	1.00000	673.00	673.00
1007	Khallasi	Day	0.80000	553.00	442.40
MR719	Wireman Helper	Day	0.80000	600.00	480.00
TOTAL					41564.33
Add CPOH @ 15%					6234.65
cost for one each					47799.0
Say					47799.0
Cost index 33.9 %					441.72
Total with Cost index					48240.72
Say					48240.72

DG
1 Specification Code: od163635/2022_2023

Supply, installation, testing and commissioning of 20kVA/16kW three phase DG Set incorporating Diesel Engine developing 32 BHP at 1500RPM, radiator Cooled, od163635/202 Coupled Alternator rated at 16kW/20kVA, 415V, mounted on a Channel Iron Base 2_2023 : Frame complete with Fuel Tank, Battery, Control Panel and other Standard Accessories with suitable CPCB Norms Approved Factory Assembled Acoustic Enclosure.

Code	Description	Unit	Quantity	Rate	Amount
MR	20kVA DG Set	each	1.00000	337288.13	337288.13
	Add Cartage@1.00				3372.88
	total				340661.01
Total Cost of Materials					340661.01
1001	Wireman	Day	1.80000	673.00	1211.40
MR719	Wireman Helper	Day	1.80000	600.00	1080.00
MR2435	Charges for Crane	Day	1.00000	3000.00	3000.00
TOTAL					345952.41
Add CPOH @ 15%					51892.86
cost for one each					397845.0
Say					397845.0
Cost index 33.9 %					472.23
Total with Cost index					398317.23
Say					398317.23

MISCELLANEOUS ITEMS
1 Specification Code: od163834/2022_2023

Preparation of all drawings, submitting and getting approval arranging inspection od163834/202 from KSEB, obtaining power allocation & permanent power connection etc and 2_2023 : commissioning of the whole installation in the premises. All statutory payments will be reimbursed on production of the original receipts.

Code	Description	Unit	Quantity	Rate	Amount
MR	KSEB Approval charges	job	1.00000	6956.52	6956.52
TOTAL					6956.52
Add CPOH @ 15%					1043.48
cost for one job					8000.0
Say					8000.0
Cost index 33.9 %					.00
Total with Cost index					8000.00
Say					8000.00

2 Specification Code: od163844/2022_2023

Preparation of all drawings, submitting and getting approval from Electrical Inspectorate, submitting of completion certificates and arranging inspection, getting sanction and energisation certificates from Electrical Inspectorate and commissioning of the whole installation in the premises. All statutory payments will be reimbursed on production of the original receipts.

Code	Description	Unit	Quantity	Rate	Amount
MR	Inspectorate charges	job	1.00000	10434.78	10434.78
TOTAL					10434.78
Add CPOH @ 15%					1565.22
cost for one job					12000.0
Say					12000.0
Cost index 33.9 %					.00

Total with Cost index	12000.00
Say	12000.00

3 Specification Code: od165956/2022_2023

od165956/202
2_2023 : Supply and fixing framed shock treatment chart as required.

Code	Description	Unit	Quantity	Rate	Amount
MR	Shock treatment chart	each	1.00000	460.00	460.00
	Add Cartage@1.00				4.60
	total				464.60
Total Cost of Materials					464.6
1001	Wireman	Day	0.01000	673.00	6.73
1007	Khallasi	Day	0.01000	553.00	5.53
TOTAL					476.86
Add CPOH @ 15%					71.53
cost for one each					548.0
Say					548.0
Cost index 33.9 %					4.75
Total with Cost index					552.75
Say					552.75

4 Specification Code: od166000/2022_2023

od166000/202 Supply and providing 2.00 mm thick, 3.3 kV, Synthetic elastomeric fire retardant
2_2023 : insulating sheet.

Code	Description	Unit	Quantity	Rate	Amount
------	-------------	------	----------	------	--------

MR2068	2.00 mm thick, 3.3 kV, Synthetic elastomeric fire retardant insulating sheet	sqm	1.00000	1313.56	1313.56
	Add Cartage@1.00				13.14
	total				1326.70
Total Cost of Materials					1326.7
1001	Wireman	Day	0.05000	673.00	33.65
1007	Khallasi	Day	0.05000	553.00	27.65

TOTAL	1388.0
Add CPOH @ 15%	208.20
cost for one sqm	1596.0
Say	1596.0
Cost index 33.9 %	23.73
Total with Cost index	1619.73
Say	1619.73

Other Engineering Organisations

PRICE

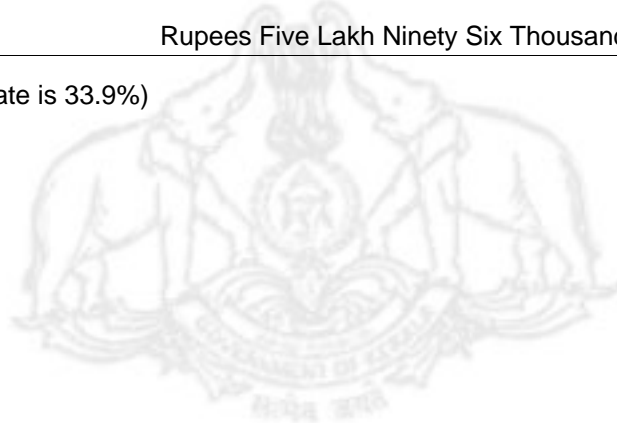
Construction of care home at Kannur- Type A- PHE works

General Abstract

(Dsor year: **2018**, Cost Index Applied for this estimate is **33.9%**)

SI No	Heading Description	Amount
1	PHE Estimate	596279.58
	Provision for GST payments (in %) @	0.0%
	Amount reserved for GST payments	0.00
	Total	596280.00
	Lumpsum for round off	0.00
	TOTAL Rs 596280.00	
	Rounded Total Rs 5,96,280	
	Rupees Five Lakh Ninety Six Thousand Two Hundred and Eighty Only	

(Cost Index Applied for this estimate is 33.9%)



Other Engineering Organisations

PRICE

Construction of care home at Kannur- Type A- PHE works

Abstract Estimate

(Dsor year: **2018**, Cost Index Applied for this estimate is **33.9%**)

1 PHE Estimate	
1	17.13.2 Providing and fixing white vitreous china water closet squatting pan (Indian type):Orissa pattern W.C. pan of size 580x440 mm
Net Total Quantity	
7.000 each	
Say 7.000 each @ Rs 2957.78 / each	
Rs 20704.46	
2	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
Net Total Quantity	
1.000 each	
Say 1.000 each @ Rs 6115.48 / each	
Rs 6115.48	
3	50.17.1.5 Supplying and fixing CP Health Faucet superior quality (Jagur or equivalent make) including cost of materials and labour charges etc complete as per the direction of site Engineer-in-charge.
Net Total Quantity	
1.000 no	
Say 1.000 no @ Rs 1280.73 / no	
Rs 1280.73	
4	17.7.2 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 630 x 450 mm with a single 15 mm C.P. brass pillar tap
Net Total Quantity	
9.000 each	
Say 9.000 each @ Rs 3198.13 / each	
Rs 28783.17	
5	17.10.2.1 Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required:Kitchen sink without drain board610x510 mm bowl depth 200 mm
Net Total Quantity	
8.000 each	
Say 8.000 each @ Rs 4221.40 / each	
Rs 33771.20	
6	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
Net Total Quantity	
18.000 each	

Say 18.000 each @ Rs 642.05 / each		Rs 11556.90
7	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	
Net Total Quantity		11.000 each
Say 11.000 each @ Rs 618.42 / each		Rs 6802.62
8	17.73.1 Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm. weighing not less than 170 gms	
Net Total Quantity		8.000 no
Say 8.000 no @ Rs 645.60 / no		Rs 5164.80
9	od160996/2022_2023 Supplying & fixing of 4 nos of Grab bar and 1 no of Folding type Grab bar with necessary fittings at both side of commode for physically challend persons all complete as directed. Make: Parryware/ Equivalent.	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 26509.05 / each		Rs 26509.05
10	50.18.8.6.2 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. Concealed work, including cutting chases and making good the wall etc. 50 mm pipe 6 kgf/cm ²	
Net Total Quantity		75.000 metre
Say 75.000 metre @ Rs 434.59 / metre		Rs 32594.25
11	50.18.8.8.1 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. 75 mm pipe 6 Kgf/cm ²	
Net Total Quantity		10.000 metre
Say 10.000 metre @ Rs 617.10 / metre		Rs 6171.00
12	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	
Net Total Quantity		16.000 metre
Say 16.000 metre @ Rs 717.10 / metre		Rs 11473.60

13	50.18.7.6.2 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 50 mm dia 6 Kgf/cm2 - Internal work- Exposed on wall	
Net Total Quantity		15.000 metre
Say 15.000 metre @ Rs 371.72 / metre		Rs 5575.80
14	50.18.9.18.1 Providing and fixing PVC pipes including fixing the pipe with clamps/clips at 1.00 m spacing. This included jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 75 mm dia 6Kgf/cm2 - External work- Exposed on wall	
Net Total Quantity		36.000 metre
Say 36.000 metre @ Rs 280.15 / metre		Rs 10085.40
15	50.18.9.19.1 Providing and fixing PVC pipes including fixing the pipe with clamps/ clips/ 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 110 mm dia 6 Kgf/cm2 - External work- Exposed on wall	
Net Total Quantity		20.000 metre
Say 20.000 metre @ Rs 380.20 / metre		Rs 7604.00
16	50.18.9.17.2 Providing and fixing PVC pipes including fixing the pipe with clamps/clips 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 63 mm dia 4 Kgf/cm2- External work - exposed on wall	
Net Total Quantity		3.000 metre
Say 3.000 metre @ Rs 224.05 / metre		Rs 672.15
17	50.18.9.18.2 Providing and fixing PVC pipes including fixing the pipe with clamps/Clips at 1.00 m spacing. This included jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 75 mm dia 4 Kgf/cm2 - External work - Exposed on wall	
Net Total Quantity		60.000 metre
Say 60.000 metre @ Rs 238.70 / metre		Rs 14322.00
18	50.18.9.8.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 75 mm dia 6 Kgf/ cm2	
Net Total Quantity		9.000 metre
Say 9.000 metre @ Rs 357.87 / metre		Rs 3220.83
19	50.18.9.9.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of Joints complete as per direction of engineer in charge.110 mm dia 6Kgf/cm2	

		Net Total Quantity	77.000 metre
		Say 77.000 metre @ Rs 522.82 / metre	Rs 40257.14
20	50.18.9.10.1	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. 150 mm dia 6 Kgf/cm2	
		Net Total Quantity	83.000 metre
		Say 83.000 metre @ Rs 899.67 / metre	Rs 74672.61
21	od160997/2022_2023	Providing , fixing , testing and commissioning pvc multy inlet (110x75x50x50x50) floor trap of self cleansing design with or without vent arm complete, including cost of masonry or concrete supports cutting and making good the walls and floors where ever required	
		Net Total Quantity	16.000 each
		Say 16.000 each @ Rs 461.52 / each	Rs 7384.32
22	od160998/2022_2023	Providing, fixing, testing and commissioning at site 100x100 mm square C.P.cast brass or stainless steel Grating Cover with protection from cockroaches of matching size of multi inlet or "P" trap complete in all respects.	
		Net Total Quantity	16.000 each
		Say 16.000 each @ Rs 525.63 / each	Rs 8410.08
23	od160999/2022_2023	Providing and fixing GI slotted rail of approved design. projecting 75 mm outside the wall surface and fixed on wall with 2 nos, 6/8 mm dia expansion hold fasteners, including drilling necessary holes in brick wall / CC / RCC surface and the cost of bolts included. The pipes shall be fixed to the already fixed brackets with the help of 8 mm galvanised GI "U" bolts of specified shape and shall be fixed with GI nuts, bolts, & washers of suitable size, one bolts on each side of the pipe.	
		Net Total Quantity	40.000 each
		Say 40.000 each @ Rs 998.65 / each	Rs 39946.00
24	19.4.2.1	150x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	
		Net Total Quantity	8.000 each
		Say 8.000 each @ Rs 2693.73 / each	Rs 21549.84
25	50.18.9.21	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Elbow	
		Net Total Quantity	12.000 no
		Say 12.000 no @ Rs 94.53 / no	Rs 1134.36

26	50.18.9.21.2 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement -75 mm dia 45 degree Elbow		
		Net Total Quantity	16.000 no
		Say 16.000 no @ Rs 70.13 / no	Rs 1122.08
27	50.18.9.21.4 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Bend		
		Net Total Quantity	8.000 no
		Say 8.000 no @ Rs 88.13 / no	Rs 705.04
28	50.18.9.21.6 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75x75x75 mm dia Door Tee		
		Net Total Quantity	16.000 no
		Say 16.000 no @ Rs 106.50 / no	Rs 1704.00
29	50.18.9.21.7 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Vent cowl		
		Net Total Quantity	16.000 no
		Say 16.000 no @ Rs 86.38 / no	Rs 1382.08
30	50.18.9.21.9 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Socket /coupling		
		Net Total Quantity	26.000 no
		Say 26.000 no @ Rs 72.48 / no	Rs 1884.48
31	50.18.9.22.1 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia Elbow		
		Net Total Quantity	16.000 no
		Say 16.000 no @ Rs 107.09 / no	Rs 1713.44
32	50.18.9.22.2 Providing and fixing PVC moulded fittings / accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia 45 degree Elbow		
		Net Total Quantity	20.000 no
		Say 20.000 no @ Rs 104.79 / no	Rs 2095.80

33	50.18.9.22.4 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement- 110 mm dia Bend	
Net Total Quantity		8.000 no
Say 8.000 no @ Rs 160.54 / no		Rs 1284.32
34	50.18.9.22.6 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia Door tee	
Net Total Quantity		8.000 no
Say 8.000 no @ Rs 187.04 / no		Rs 1496.32
35	50.18.9.22.8 Providing and fixing PVC moulded fittings /accessories for Rigid PVC pipes, including jointing with PVC solvent cement -110 mm dia Vent cowl	
Net Total Quantity		8.000 no
Say 8.000 no @ Rs 123.34 / no		Rs 986.72
36	50.18.9.22.11 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes,including jointing with PVC solvent cement - 110 mm dia Socket/ coupling	
Net Total Quantity		33.000 no
Say 33.000 no @ Rs 110.59 / no		Rs 3649.47
37	od161000/2022_2023 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes,including jointing with PVC solvent cement - 150 mm dia Socket/ coupling	
Net Total Quantity		14.000 each
Say 14.000 each @ Rs 337.03 / each		Rs 4718.42
38	50.18.8.3.2 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. Concealed work, including cutting chases and making good the wall etc. 25 mm pipe 10kgf /cm2	
Net Total Quantity		90.000 metre
Say 90.000 metre @ Rs 416.49 / metre		Rs 37484.10
39	50.18.7.3.2 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 10Kgf/ cm2- Internal work- Exposed on wall	
Net Total Quantity		150.000 metre
Say 150.000 metre @ Rs 263.61 / metre		Rs 39541.50

40	50.18.7.4.1 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 32 mm dia 10Kgf/cm2- Internal work - Exposed on wall	
Net Total Quantity		30.000 metre
Say 30.000 metre @ Rs 314.55 / metre		Rs 9436.50
41	50.18.9.3.2 Providing and fixing PVC pipes includes jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm dia 10KGF/cm2	
Net Total Quantity		13.000 metre
Say 13.000 metre @ Rs 214.13 / metre		Rs 2783.69
42	od161001/2022_2023 Providing and fixing ball valve (brass) of approved quality. 20 mm nominal bore	
Net Total Quantity		16.000 each
Say 16.000 each @ Rs 620.78 / each		Rs 9932.48
43	od161002/2022_2023 Providing and fixing ball valve (brass) of approved quality. 25 mm nominal bore	
Net Total Quantity		8.000 each
Say 8.000 each @ Rs 954.67 / each		Rs 7637.36
44	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.	
Net Total Quantity		4000.000 Litre
Say 4000.000 Litre @ Rs 10.24 / Litre		Rs 40960.00
Provision for GST payments (in %) @		0.0%
Amount reserved for GST payments		0.00
Total		596280.00
Lumpsum for round off		0.00
TOTAL Rs 596280.00		
Rounded Total Rs 5,96,280		
Rupees Five Lakh Ninety Six Thousand Two Hundred and Eighty Only		

(Cost Index Applied for this estimate is 33.9%)

Construction of care home at Kannur- Type A- PHE works

Detailed Estimate

(Dsor year: **2018**, Cost Index Applied for this estimate is **33.9%**)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1 PHE Estimate								
1	17.13.2 Providing and fixing white vitreous china water closet squatting pan (Indian type):Orissa pattern W.C. pan of size 580x440 mm							
		7					7.000	
							Total Quantity	7.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	7.000 each
							Say 7.000 each @ Rs 2957.78 / each	Rs 20704.46
2	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							
		1					1.000	
							Total Quantity	1.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	1.000 each
							Say 1.000 each @ Rs 6115.48 / each	Rs 6115.48
3	50.17.1.5 Supplying and fixing CP Health Faucet superior quality (Jagur or equivalent make) including cost of materials and labour charges etc complete as per the direction of site Engineer-in-charge.							
		1					1.000	
							Total Quantity	1.000 no
							Total Deducted Quantity	0.000 no
							Net Total Quantity	1.000 no
							Say 1.000 no @ Rs 1280.73 / no	Rs 1280.73
4	17.7.2 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 630 x 450 mm with a single 15 mm C.P. brass pillar tap							

		9					9.000	
	Total Quantity						9.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						9.000	each
	Say 9.000 each @ Rs 3198.13 / each						Rs 28783.17	
5	17.10.2.1 Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required:Kitchen sink without drain board610x510 mm bowl depth 200 mm							
		8					8.000	
	Total Quantity						8.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						8.000	each
	Say 8.000 each @ Rs 4221.40 / each						Rs 33771.20	
6	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							
		18					18.000	
	Total Quantity						18.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						18.000	each
	Say 18.000 each @ Rs 642.05 / each						Rs 11556.90	
7	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							
		11					11.000	
	Total Quantity						11.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						11.000	each
	Say 11.000 each @ Rs 618.42 / each						Rs 6802.62	
8	17.73.1 Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm. weighing not less than 170 gms							
		8					8.000	
	Total Quantity						8.000	no

								Total Deducted Quantity	0.000 no
								Net Total Quantity	8.000 no
								Say 8.000 no @ Rs 645.60 / no	Rs 5164.80
9	od160996/2022_2023 Supplying & fixing of 4 nos of Grab bar and 1 no of Folding type Grab bar with necessary fittings at both side of commode for physically challend persons all complete as directed. Make: Parryware/ Equivalent.								
			1					1.000	
								Total Quantity	1.000 each
								Total Deducted Quantity	0.000 each
								Net Total Quantity	1.000 each
								Say 1.000 each @ Rs 26509.05 / each	Rs 26509.05
10	50.18.8.6.2 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. Concealed work, including cutting chases and making good the wall etc. 50 mm pipe 6 kgf/cm2								
			1	75.000				75.000	
								Total Quantity	75.000 metre
								Total Deducted Quantity	0.000 metre
								Net Total Quantity	75.000 metre
								Say 75.000 metre @ Rs 434.59 / metre	Rs 32594.25
11	50.18.8.8.1 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. 75 mm pipe 6 Kgf/cm2								
			1	10.000				10.000	
								Total Quantity	10.000 metre
								Total Deducted Quantity	0.000 metre
								Net Total Quantity	10.000 metre
								Say 10.000 metre @ Rs 617.10 / metre	Rs 6171.00
12	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								

		1	16.000				16.000	
	Total Quantity						16.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						16.000 metre	
	Say 16.000 metre @ Rs 717.10 / metre						Rs 11473.60	
13	50.18.7.6.2 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 50 mm dia 6 Kgf/cm2 - Internal work- Exposed on wall							
		1	15.000				15.000	
	Total Quantity						15.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						15.000 metre	
	Say 15.000 metre @ Rs 371.72 / metre						Rs 5575.80	
14	50.18.9.18.1 Providing and fixing PVC pipes including fixing the pipe with clamps/clips at 1.00 m spacing. This included jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 75 mm dia 6Kgf/cm2 - External work- Exposed on wall							
		1	36.000				36.000	
	Total Quantity						36.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						36.000 metre	
	Say 36.000 metre @ Rs 280.15 / metre						Rs 10085.40	
15	50.18.9.19.1 Providing and fixing PVC pipes including fixing the pipe with clamps/ clips/ 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 110 mm dia 6 Kgf/cm2 - External work- Exposed on wall							
		1	20.000				20.000	
	Total Quantity						20.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						20.000 metre	
	Say 20.000 metre @ Rs 380.20 / metre						Rs 7604.00	
16	50.18.9.17.2 Providing and fixing PVC pipes including fixing the pipe with clamps/clips 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 63 mm dia 4 Kgf/cm2- External work - exposed on wall							

		1	3.000				3.000	
	Total Quantity						3.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						3.000 metre	
	Say 3.000 metre @ Rs 224.05 / metre						Rs 672.15	
17	50.18.9.18.2 Providing and fixing PVC pipes including fixing the pipe with clamps/Clips at 1.00 m spacing. This included jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 75 mm dia 4 Kgf/cm ² - External work - Exposed on wall							
		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 238.70 / metre						Rs 14322.00	
18	50.18.9.8.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 75 mm dia 6 Kgf/ cm ²							
		1	9.000				9.000	
	Total Quantity						9.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						9.000 metre	
	Say 9.000 metre @ Rs 357.87 / metre						Rs 3220.83	
19	50.18.9.9.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of Joints complete as per direction of engineer in charge.110 mm dia 6Kgf/cm ²							
		1	77.000				77.000	
	Total Quantity						77.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						77.000 metre	
	Say 77.000 metre @ Rs 522.82 / metre						Rs 40257.14	
20	50.18.9.10.1 Providing and fixing PVC pipes includings jointing of pipes with one step pvc solvent cement, trenching , refilling & testing of joints complete as per direction of Engineer in Charge. 150 mm dia 6 Kgf/cm ²							
		1	83.000				83.000	
	Total Quantity						83.000 metre	

							Total Deducted Quantity	0.000 metre
							Net Total Quantity	83.000 metre
							Say 83.000 metre @ Rs 899.67 / metre	Rs 74672.61
21	od160997/2022_2023 Providing , fixing , testing and commissioning pvc multy inlet (110x75x50x50x50) floor trap of self cleansing design with or without vent arm complete, including cost of masonry or concrete supports cutting and making good the walls and floors where ever required							
		16						16.000
							Total Quantity	16.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	16.000 each
							Say 16.000 each @ Rs 461.52 / each	Rs 7384.32
22	od160998/2022_2023 Providing, fixing, testing and commissioning at site 100x100 mm square C.P.cast brass or stainless steel Grating Cover with protection from cockroaches of matching size of multi inlet or "P" trap complete in all respects.							
		16						16.000
							Total Quantity	16.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	16.000 each
							Say 16.000 each @ Rs 525.63 / each	Rs 8410.08
23	od160999/2022_2023 Providing and fixing GI slotted rail of approved design. projecting 75 mm outside the wall surface and fixed on wall with 2 nos, 6/8 mm dia expansion hold fasteners, including drilling necessary holes in brick wall / CC / RCC surface and the cost of bolts included. The pipes shall be fixed to the already fixed brackets with the help of 8 mm galvanised GI "U" bolts of specified shape and shall be fixed with GI nuts, bolts, & washers of suitable size, one bolts on each side of the pipe.							
		1	40.000					40.000
							Total Quantity	40.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	40.000 each
							Say 40.000 each @ Rs 998.65 / each	Rs 39946.00
24	19.4.2.1 150x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5							
		8						8.000
							Total Quantity	8.000 each

									Total Deducted Quantity	0.000 each
									Net Total Quantity	8.000 each
									Say 8.000 each @ Rs 2693.73 / each	Rs 21549.84
25	50.18.9.21	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Elbow								
		12							12.000	
									Total Quantity	12.000 no
									Total Deducted Quantity	0.000 no
									Net Total Quantity	12.000 no
									Say 12.000 no @ Rs 94.53 / no	Rs 1134.36
26	50.18.9.21.2	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement -75 mm dia 45 degree Elbow								
		16							16.000	
									Total Quantity	16.000 no
									Total Deducted Quantity	0.000 no
									Net Total Quantity	16.000 no
									Say 16.000 no @ Rs 70.13 / no	Rs 1122.08
27	50.18.9.21.4	Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Bend								
		8							8.000	
									Total Quantity	8.000 no
									Total Deducted Quantity	0.000 no
									Net Total Quantity	8.000 no
									Say 8.000 no @ Rs 88.13 / no	Rs 705.04
28	50.18.9.21.6	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75x75x75 mm dia Door Tee								
		16							16.000	
									Total Quantity	16.000 no
									Total Deducted Quantity	0.000 no
									Net Total Quantity	16.000 no
									Say 16.000 no @ Rs 106.50 / no	Rs 1704.00

29	50.18.9.21.7 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Vent cowl	16					16.000	
		Total Quantity					16.000	no
		Total Deducted Quantity					0.000	no
		Net Total Quantity					16.000	no
		Say 16.000 no @ Rs 86.38 / no					Rs 1382.08	
30	50.18.9.21.9 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Socket /coupling	26					26.000	
		Total Quantity					26.000	no
		Total Deducted Quantity					0.000	no
		Net Total Quantity					26.000	no
		Say 26.000 no @ Rs 72.48 / no					Rs 1884.48	
31	50.18.9.22.1 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia Elbow	16					16.000	
		Total Quantity					16.000	no
		Total Deducted Quantity					0.000	no
		Net Total Quantity					16.000	no
		Say 16.000 no @ Rs 107.09 / no					Rs 1713.44	
32	50.18.9.22.2 Providing and fixing PVC moulded fittings / accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia 45 degree Elbow	20					20.000	
		Total Quantity					20.000	no
		Total Deducted Quantity					0.000	no
		Net Total Quantity					20.000	no
		Say 20.000 no @ Rs 104.79 / no					Rs 2095.80	
33	50.18.9.22.4 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement- 110 mm dia Bend	8					8.000	

		Total Quantity					8.000 no
		Total Deducted Quantity					0.000 no
		Net Total Quantity					8.000 no
		Say 8.000 no @ Rs 160.54 / no					Rs 1284.32
34	50.18.9.22.6 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia Door tee						
		8					8.000
		Total Quantity					8.000 no
		Total Deducted Quantity					0.000 no
		Net Total Quantity					8.000 no
		Say 8.000 no @ Rs 187.04 / no					Rs 1496.32
35	50.18.9.22.8 Providing and fixing PVC moulded fittings /accessories for Rigid PVC pipes, including jointing with PVC solvent cement -110 mm dia Vent cowl						
		8					8.000
		Total Quantity					8.000 no
		Total Deducted Quantity					0.000 no
		Net Total Quantity					8.000 no
		Say 8.000 no @ Rs 123.34 / no					Rs 986.72
36	50.18.9.22.11 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes,including jointing with PVC solvent cement - 110 mm dia Socket/ coupling						
		33					33.000
		Total Quantity					33.000 no
		Total Deducted Quantity					0.000 no
		Net Total Quantity					33.000 no
		Say 33.000 no @ Rs 110.59 / no					Rs 3649.47
37	od161000/2022_2023 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes,including jointing with PVC solvent cement - 150 mm dia Socket/ coupling						
		1	14.000				14.000
		Total Quantity					14.000 each
		Total Deducted Quantity					0.000 each
		Net Total Quantity					14.000 each

							Say 14.000 each @ Rs 337.03 / each		Rs 4718.42	
38	50.18.8.3.2	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. Concealed work, including cutting chases and making good the wall etc. 25 mm pipe 10kgf /cm2								
		1	90.000					90.000		
		Total Quantity						90.000 metre		
		Total Deducted Quantity						0.000 metre		
		Net Total Quantity						90.000 metre		
		Say 90.000 metre @ Rs 416.49 / metre						Rs 37484.10		
39	50.18.7.3.2	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 10Kgf/ cm2- Internal work- Exposed on wall								
		1	150.000					150.000		
		Total Quantity						150.000 metre		
		Total Deducted Quantity						0.000 metre		
		Net Total Quantity						150.000 metre		
		Say 150.000 metre @ Rs 263.61 / metre						Rs 39541.50		
40	50.18.7.4.1	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 32 mm dia 10Kgf/cm2- Internal work - Exposed on wall								
		1	30.000					30.000		
		Total Quantity						30.000 metre		
		Total Deducted Quantity						0.000 metre		
		Net Total Quantity						30.000 metre		
		Say 30.000 metre @ Rs 314.55 / metre						Rs 9436.50		
41	50.18.9.3.2	Providing and fixing PVC pipes includes jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm dia 10KGF/cm2								
		1	13.000					13.000		
		Total Quantity						13.000 metre		
		Total Deducted Quantity						0.000 metre		
		Net Total Quantity						13.000 metre		

	Say 13.000 metre @ Rs 214.13 / metre						Rs 2783.69	
42	od161001/2022_2023 Providing and fixing ball valve (brass) of approved quality. 20 mm nominal bore							
		16					16.000	
	Total Quantity						16.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						16.000 each	
	Say 16.000 each @ Rs 620.78 / each						Rs 9932.48	
43	od161002/2022_2023 Providing and fixing ball valve (brass) of approved quality. 25 mm nominal bore							
		8					8.000	
	Total Quantity						8.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						8.000 each	
	Say 8.000 each @ Rs 954.67 / each						Rs 7637.36	
44	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	4000.000				4000.000	
	Total Quantity						4000.000 Litre	
	Total Deducted Quantity						0.000 Litre	
	Net Total Quantity						4000.000 Litre	
	Say 4000.000 Litre @ Rs 10.24 / Litre						Rs 40960.00	
	Provision for GST payments (in %) @						0.0%	
	Amount reserved for GST payments						0.00	
	Total						596280.00	
	Lumpsum for round off						0.00	
	TOTAL Rs 596280.00							
	Rounded Total Rs 5,96,280							
	Rupees Five Lakh Ninety Six Thousand Two Hundred and Eighty Only							

(Cost Index Applied for this estimate is 33.9%)

Data Analysis

PHE Estimate

1 Specification Code: od160996/2022_2023

**od160996/2022_2023 :Supplying & fixing of 4 nos of Grab bar and 1 no of Folding type Grab bar with necessary fittings at both side of commode for physically challend persons all complete as directed.
Make: Parryware/ Equivalent.**

Code	Description	Unit	Quantity	Rate	Amount
MR	Hand Grip	each	4.00000	2850.00	11400.00
MR	Grab Bar Vertical Swing	each	1.00000	10305.08	10305.08
9988	Carriage and sundries	L.S	32.24000	2.00	64.48
0116	Fitter(grade1)	Day	0.40000	738.00	295.20
0117	Assistant Fitter or 2nd class fitter	Day	0.70000	679.00	475.30
TOTAL					22540.06
cost for one each					22540.06
	say				22540.06

	Add Water Charges @ 1.0%				225.40
	Add CPOH @ 15.0%				3414.81
	Cost index 33.9 %				328.77
	Total with Cost index				26509.05
	Say				26509.05

2 Specification Code: od160997/2022_2023

od160997/2022_2023 :Providing , fixing , testing and commissioning pvc multy inlet (110x75x50x50x50) floor trap of self cleansing design with or without vent arm complete, including cost of masonry or concrete supports cutting and making good the walls and floors where ever required

Code	Description	Unit	Quantity	Rate	Amount
------	-------------	------	----------	------	--------

MR	PVC single inlet/ muly inlet(110x75x50x50x50) floor trap	each	1.00000	180.30	180.30
9999	Sundries	L.S	13.52000	2.00	27.04
9977	Carriage	L.S	2.73000	2.00	5.46
0123	Mason (brick layer) 1st class	Day	0.10000	738.00	73.80
0114	Beldar	Day	0.10000	558.00	55.80

TOTAL					342.40
cost for one each					342.40
	say				342.40

	Add Water Charges @ 1.0%				3.42
	Add CPOH @ 15.0%				51.87
	Cost index 33.9 %				63.82
	Total with Cost index				461.52
	Say				461.52

3 Specification Code: od160998/2022_2023

od160998/2022_2023 :Providing, fixing, testing and commissioning at site 100x100 mm square C.P.cast brass or stainless steel Grating Cover with protection from cockroaches of matching size of multi inlet or "P" trap complete in all respects.

Code	Description	Unit	Quantity	Rate	Amount
MR	Cockroach Trap	each	1.00000	330.00	330.00
9999	Sundries	L.S	13.52000	2.00	27.04
9988	Carriage and sundries	L.S	32.24000	2.00	64.48
TOTAL					421.52
cost for one each					421.52
	say				421.52

	Add Water Charges @ 1.0%				4.21
--	--------------------------	--	--	--	-------------

	Add CPOH @ 15.0%				63.86
	Cost index 33.9 %				36.03
	Total with Cost index				525.63
	Say				525.63

4 Specification Code: od160999/2022_2023

od160999/2022_2023 :Providing and fixing GI slotted rail of approved design. projecting 75 mm outside the wall surface and fixed on wall with 2 nos, 6/8 mm dia expansion hold fasteners, including drilling necessary holes in brick wall / CC / RCC surface and the cost of bolts included. The pipes shall be fixed to the already fixed brackets with the help of 8 mm galvanised GI "U" bolts of specified shape and shall be fixed with GI nuts, bolts, & washers of suitable size, one bolts on each side of the pipe.

Code	Description	Unit	Quantity	Rate	Amount
MR	Slotted rail	metre	1.00000	199.53	199.53
1330	Clamps and M.S. stays including bolts and nuts for 100 mm pipe	each	5.00000	67.50	337.50
8776	Stainless Steel dash fastener of 8 mm dia and 75 mm long bolt	each	5.00000	15.00	75.00
9988	Carriage and sundries	L.S	40.30000	2.00	80.60
TOTAL					692.63
cost for one each					692.63
	say				692.63

	Add Water Charges @ 1.0%				6.92
	Add CPOH @ 15.0%				104.93
	Cost index 33.9 %				194.15
	Total with Cost index				998.65
	Say				998.65

5 Specification Code: od161000/2022_2023

od161000/2022_2023 :Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes,including jointing with PVC solvent cement - 150 mm dia Socket/ coupling

Code	Description	Unit	Quantity	Rate	Amount
MR	PVC Socket/coupling 150 mm dia	each	1.00000	225.07	225.07
9999	Sundries	L.S	7.15000	2.00	14.30
9999	Sundries	L.S	17.16000	2.00	34.32
TOTAL					273.69
cost for one each					273.69
	say				273.69

	Add Water Charges @ 1.0%				2.73
	Add CPOH @ 15.0%				41.46
	Cost index 33.9 %				19.14
	Total with Cost index				337.03
	Other Engineering Organisations Say				337.03

6 Specification Code: od161001/2022_2023

od161001/2022_2023 :Providing and fixing ball valve (brass) of approved quality.
20 mm nominal bore

Details of cost for one no

MATERIAL:

Code	Description	Unit	Quantity	Rate	Amount
MR	20 mm dia 	each	1.00000	462.40	462.40
9988	Carriage and sundries of materials and fixing charge	L.S	26.91000	2.00	53.82
TOTAL					516.22
cost for one each					516.22
	say				516.22

	Add Water Charges @ 1.0%				5.16
	Add CPOH @ 15.0%				78.20
	Cost index 33.9 %				21.19
	Total with Cost index				620.78
	Say				620.78

7 Specification Code: od161002/2022_2023

**od161002/2022_2023 :Providing and fixing ball valve (brass) of approved quality.
25 mm nominal bore**
 Details of cost for one no
 MATERIAL:

Code	Description	Unit	Quantity	Rate	Amount
MR	25 mm dia 	each	1.00000	735.59	735.59
9988	Carriage and sundries of materials and fixing charge	L.S	32.24000	2.00	64.48
TOTAL					800.07
cost for one each					800.07
	say				800.07

	Add Water Charges @ 1.0%				8.00
	Add CPOH @ 15.0%				121.21
	Cost index 33.9 %				25.38
	Total with Cost index				954.67
	Say				954.67

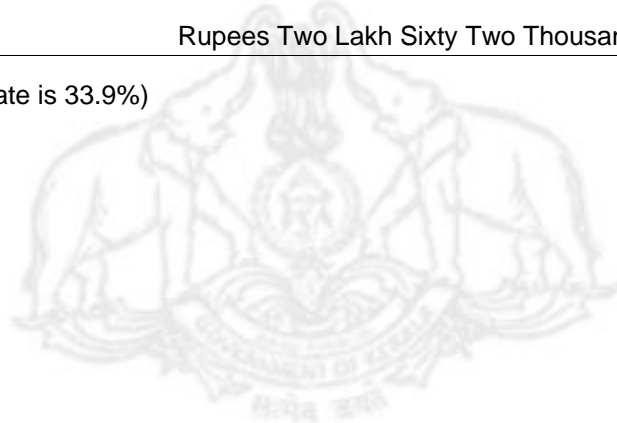
Construction of care home at Kannur- Type B- PHE works

General Abstract

(Dsor year: **2018**, Cost Index Applied for this estimate is **33.9%**)

SI No	Heading Description	Amount
1	PHE Estimate	262508.14
	Provision for GST payments (in %) @	0.0%
	Amount reserved for GST payments	0.00
	Total	262508.00
	Lumpsum for round off	0.00
		TOTAL Rs 262508.00
		Rounded Total Rs 2,62,508
	Rupees Two Lakh Sixty Two Thousand Five Hundred and Eight Only	

(Cost Index Applied for this estimate is 33.9%)



Other Engineering Organisations

PRICE

Construction of care home at Kannur- Type B- PHE works

Abstract Estimate

(Dsor year: **2018**, Cost Index Applied for this estimate is **33.9%**)

1 PHE Estimate	
1	17.13.2 Providing and fixing white vitreous china water closet squatting pan (Indian type):Orissa pattern W.C. pan of size 580x440 mm
Net Total Quantity	
2.000 each	
Say 2.000 each @ Rs 2957.78 / each	
Rs 5915.56	
2	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
Net Total Quantity	
1.000 each	
Say 1.000 each @ Rs 6115.48 / each	
Rs 6115.48	
3	50.17.1.5 Supplying and fixing CP Health Faucet superior quality (Jagur or equivalent make) including cost of materials and labour charges etc complete as per the direction of site Engineer-in-charge.
Net Total Quantity	
1.000 no	
Say 1.000 no @ Rs 1280.73 / no	
Rs 1280.73	
4	17.7.2 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 630 x 450 mm with a single 15 mm C.P. brass pillar tap
Net Total Quantity	
4.000 each	
Say 4.000 each @ Rs 3198.13 / each	
Rs 12792.52	
5	17.10.2.1 Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required:Kitchen sink without drain board610x510 mm bowl depth 200 mm
Net Total Quantity	
3.000 each	
Say 3.000 each @ Rs 4221.40 / each	
Rs 12664.20	
6	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
Net Total Quantity	
7.000 each	

Say 7.000 each @ Rs 642.05 / each		Rs 4494.35
7	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	
Net Total Quantity		6.000 each
Say 6.000 each @ Rs 618.42 / each		Rs 3710.52
8	17.73.1 Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm. weighing not less than 170 gms	
Net Total Quantity		3.000 no
Say 3.000 no @ Rs 645.60 / no		Rs 1936.80
9	od161006/2022_2023 Supplying & fixing of 4 nos of Grab bar and 1 no of Folding type Grab bar with necessary fittings at both side of commode for physically challend persons all complete as directed. Make: Parryware/ Equivalent.	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 26509.05 / each		Rs 26509.05
10	50.18.8.6.2 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. Concealed work, including cutting chases and making good the wall etc. 50 mm pipe 6 kgf/cm ²	
Net Total Quantity		25.000 metre
Say 25.000 metre @ Rs 434.59 / metre		Rs 10864.75
11	50.18.8.8.1 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. 75 mm pipe 6 Kgf/cm ²	
Net Total Quantity		4.000 metre
Say 4.000 metre @ Rs 617.10 / metre		Rs 2468.40
12	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	
Net Total Quantity		5.000 metre
Say 5.000 metre @ Rs 717.10 / metre		Rs 3585.50

13	50.18.7.6.2 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 50 mm dia 6 Kgf/cm2 - Internal work- Exposed on wall	
Net Total Quantity		4.000 metre
Say 4.000 metre @ Rs 371.72 / metre		Rs 1486.88
14	50.18.9.18.1 Providing and fixing PVC pipes including fixing the pipe with clamps/clips at 1.00 m spacing. This included jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 75 mm dia 6Kgf/cm2 - External work- Exposed on wall	
Net Total Quantity		17.000 metre
Say 17.000 metre @ Rs 280.15 / metre		Rs 4762.55
15	50.18.9.19.1 Providing and fixing PVC pipes including fixing the pipe with clamps/ clips/ 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 110 mm dia 6 Kgf/cm2 - External work- Exposed on wall	
Net Total Quantity		9.000 metre
Say 9.000 metre @ Rs 380.20 / metre		Rs 3421.80
16	50.18.9.17.2 Providing and fixing PVC pipes including fixing the pipe with clamps/clips 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 63 mm dia 4 Kgf/cm2- External work - exposed on wall	
Net Total Quantity		3.000 metre
Say 3.000 metre @ Rs 224.05 / metre		Rs 672.15
17	50.18.9.18.2 Providing and fixing PVC pipes including fixing the pipe with clamps/Clips at 1.00 m spacing. This included jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 75 mm dia 4 Kgf/cm2 - External work - Exposed on wall	
Net Total Quantity		20.000 metre
Say 20.000 metre @ Rs 238.70 / metre		Rs 4774.00
18	50.18.9.8.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 75 mm dia 6 Kgf/ cm2	
Net Total Quantity		3.000 metre
Say 3.000 metre @ Rs 357.87 / metre		Rs 1073.61
19	50.18.9.9.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of Joints complete as per direction of engineer in charge.110 mm dia 6Kgf/cm2	

		Net Total Quantity	102.000 metre
		Say 102.000 metre @ Rs 522.82 / metre	Rs 53327.64
20	50.18.9.10.1	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. 150 mm dia 6 Kgf/cm2	
		Net Total Quantity	3.000 metre
		Say 3.000 metre @ Rs 899.67 / metre	Rs 2699.01
21	od161007/2022_2023	Providing , fixing , testing and commissioning pvc multy inlet (110x75x50x50x50) floor trap of self cleansing design with or without vent arm complete, including cost of masonry or concrete supports cutting and making good the walls and floors where ever required	
		Net Total Quantity	6.000 each
		Say 6.000 each @ Rs 461.52 / each	Rs 2769.12
22	od161008/2022_2023	Providing, fixing, testing and commissioning at site 100x100 mm square C.P.cast brass or stainless steel Grating Cover with protection from cockroaches of matching size of multi inlet or "P" trap complete in all respects.	
		Net Total Quantity	6.000 each
		Say 6.000 each @ Rs 525.63 / each	Rs 3153.78
23	od161009/2022_2023	Providing and fixing GI slotted rail of approved design. projecting 75 mm outside the wall surface and fixed on wall with 2 nos, 6/8 mm dia expansion hold fasteners, including drilling necessary holes in brick wall / CC / RCC surface and the cost of bolts included. The pipes shall be fixed to the already fixed brackets with the help of 8 mm galvanised GI "U" bolts of specified shape and shall be fixed with GI nuts, bolts, & washers of suitable size, one bolts on each side of the pipe.	
		Net Total Quantity	20.000 each
		Say 20.000 each @ Rs 998.65 / each	Rs 19973.00
24	19.4.2.1	150x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	
		Net Total Quantity	3.000 each
		Say 3.000 each @ Rs 2693.73 / each	Rs 8081.19
25	50.18.9.21	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Elbow	
		Net Total Quantity	8.000 no
		Say 8.000 no @ Rs 94.53 / no	Rs 756.24

26	50.18.9.21.2 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement -75 mm dia 45 degree Elbow		
		Net Total Quantity	10.000 no
		Say 10.000 no @ Rs 70.13 / no	Rs 701.30
27	50.18.9.21.4 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Bend		
		Net Total Quantity	6.000 no
		Say 6.000 no @ Rs 88.13 / no	Rs 528.78
28	50.18.9.21.6 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75x75x75 mm dia Door Tee		
		Net Total Quantity	6.000 no
		Say 6.000 no @ Rs 106.50 / no	Rs 639.00
29	50.18.9.21.7 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Vent cowl		
		Net Total Quantity	6.000 no
		Say 6.000 no @ Rs 86.38 / no	Rs 518.28
30	50.18.9.21.9 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Socket /coupling		
		Net Total Quantity	12.000 no
		Say 12.000 no @ Rs 72.48 / no	Rs 869.76
31	50.18.9.22.1 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia Elbow		
		Net Total Quantity	6.000 no
		Say 6.000 no @ Rs 107.09 / no	Rs 642.54
32	50.18.9.22.2 Providing and fixing PVC moulded fittings / accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia 45 degree Elbow		
		Net Total Quantity	9.000 no
		Say 9.000 no @ Rs 104.79 / no	Rs 943.11

33	50.18.9.22.4 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement- 110 mm dia Bend	
Net Total Quantity		3.000 no
Say 3.000 no @ Rs 160.54 / no		Rs 481.62
34	50.18.9.22.6 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia Door tee	
Net Total Quantity		3.000 no
Say 3.000 no @ Rs 187.04 / no		Rs 561.12
35	50.18.9.22.8 Providing and fixing PVC moulded fittings /accessories for Rigid PVC pipes, including jointing with PVC solvent cement -110 mm dia Vent cowl	
Net Total Quantity		3.000 no
Say 3.000 no @ Rs 123.34 / no		Rs 370.02
36	50.18.9.22.11 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes,including jointing with PVC solvent cement - 110 mm dia Socket/ coupling	
Net Total Quantity		27.000 no
Say 27.000 no @ Rs 110.59 / no		Rs 2985.93
37	od161010/2022_2023 Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes,including jointing with PVC solvent cement - 150 mm dia Socket/ coupling	
Net Total Quantity		3.000 each
Say 3.000 each @ Rs 337.03 / each		Rs 1011.09
38	50.18.8.3.2 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. Concealed work, including cutting chases and making good the wall etc. 25 mm pipe 10kgf /cm2	
Net Total Quantity		31.000 metre
Say 31.000 metre @ Rs 416.49 / metre		Rs 12911.19
39	50.18.7.3.2 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 10Kgf/ cm2- Internal work- Exposed on wall	
Net Total Quantity		40.000 metre
Say 40.000 metre @ Rs 263.61 / metre		Rs 10544.40

40	50.18.7.4.1 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 32 mm dia 10Kgf/cm ² - Internal work - Exposed on wall	
Net Total Quantity		22.000 metre
Say 22.000 metre @ Rs 314.55 / metre		Rs 6920.10
41	50.18.9.3.2 Providing and fixing PVC pipes includes jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm dia 10KGF/cm ²	
Net Total Quantity		3.000 metre
Say 3.000 metre @ Rs 214.13 / metre		Rs 642.39
42	od161011/2022_2023 Providing and fixing ball valve (brass) of approved quality. 20 mm nominal bore	
Net Total Quantity		6.000 each
Say 6.000 each @ Rs 620.78 / each		Rs 3724.68
43	od161012/2022_2023 Providing and fixing ball valve (brass) of approved quality. 25 mm nominal bore	
Net Total Quantity		3.000 each
Say 3.000 each @ Rs 954.67 / each		Rs 2864.01
44	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.	
Net Total Quantity		1500.000 Litre
Say 1500.000 Litre @ Rs 10.24 / Litre		Rs 15360.00
Provision for GST payments (in %) @		0.0%
Amount reserved for GST payments		0.00
Total		262508.00
Lumpsum for round off		0.00
TOTAL Rs 262508.00		
Rounded Total Rs 2,62,508		
Rupees Two Lakh Sixty Two Thousand Five Hundred and Eight Only		

(Cost Index Applied for this estimate is 33.9%)

Construction of care home at Kannur- Type B- PHE works

Detailed Estimate

(Dsr year: 2018, Cost Index Applied for this estimate is 33.9%)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1 PHE Estimate								
1	17.13.2 Providing and fixing white vitreous china water closet squatting pan (Indian type):Orissa pattern W.C. pan of size 580x440 mm							
		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 2957.78 / each	Rs 5915.56
2	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							
		1					1.000	
							Total Quantity	1.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	1.000 each
							Say 1.000 each @ Rs 6115.48 / each	Rs 6115.48
3	50.17.1.5 Supplying and fixing CP Health Faucet superior quality (Jagur or equivalent make) including cost of materials and labour charges etc complete as per the direction of site Engineer-in-charge.							
		1					1.000	
							Total Quantity	1.000 no
							Total Deducted Quantity	0.000 no
							Net Total Quantity	1.000 no
							Say 1.000 no @ Rs 1280.73 / no	Rs 1280.73
4	17.7.2 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 630 x 450 mm with a single 15 mm C.P. brass pillar tap							

		4					4.000	
	Total Quantity						4.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						4.000	each
	Say 4.000 each @ Rs 3198.13 / each						Rs 12792.52	
5	17.10.2.1 Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required:Kitchen sink without drain board610x510 mm bowl depth 200 mm							
		3					3.000	
	Total Quantity						3.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						3.000	each
	Say 3.000 each @ Rs 4221.40 / each						Rs 12664.20	
6	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							
		7					7.000	
	Total Quantity						7.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						7.000	each
	Say 7.000 each @ Rs 642.05 / each						Rs 4494.35	
7	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							
		6					6.000	
	Total Quantity						6.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						6.000	each
	Say 6.000 each @ Rs 618.42 / each						Rs 3710.52	
8	17.73.1 Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm. weighing not less than 170 gms							
		3					3.000	
	Total Quantity						3.000	no

		Total Deducted Quantity					0.000 no	
		Net Total Quantity					3.000 no	
		Say 3.000 no @ Rs 645.60 / no					Rs 1936.80	
9	od161006/2022_2023 Supplying & fixing of 4 nos of Grab bar and 1 no of Folding type Grab bar with necessary fittings at both side of commode for physically challend persons all complete as directed. Make: Parryware/ Equivalent.							
		1					1.000	
		Total Quantity					1.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					1.000 each	
		Say 1.000 each @ Rs 26509.05 / each					Rs 26509.05	
10	50.18.8.6.2 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. Concealed work, including cutting chases and making good the wall etc. 50 mm pipe 6 kgf/cm2							
		1	25.000				25.000	
		Total Quantity					25.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					25.000 metre	
		Say 25.000 metre @ Rs 434.59 / metre					Rs 10864.75	
11	50.18.8.8.1 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. 75 mm pipe 6 Kgf/cm2							
		1	4.000				4.000	
		Total Quantity					4.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					4.000 metre	
		Say 4.000 metre @ Rs 617.10 / metre					Rs 2468.40	
12	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							

		1	5.000				5.000	
	Total Quantity						5.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						5.000 metre	
	Say 5.000 metre @ Rs 717.10 / metre						Rs 3585.50	
13	50.18.7.6.2 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 50 mm dia 6 Kgf/cm2 - Internal work- Exposed on wall							
		1	4.000				4.000	
	Total Quantity						4.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						4.000 metre	
	Say 4.000 metre @ Rs 371.72 / metre						Rs 1486.88	
14	50.18.9.18.1 Providing and fixing PVC pipes including fixing the pipe with clamps/clips at 1.00 m spacing. This included jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 75 mm dia 6Kgf/cm2 - External work- Exposed on wall							
		1	17.000				17.000	
	Total Quantity						17.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						17.000 metre	
	Say 17.000 metre @ Rs 280.15 / metre						Rs 4762.55	
15	50.18.9.19.1 Providing and fixing PVC pipes including fixing the pipe with clamps/ clips/ 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 110 mm dia 6 Kgf/cm2 - External work- Exposed on wall							
		1	9.000				9.000	
	Total Quantity						9.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						9.000 metre	
	Say 9.000 metre @ Rs 380.20 / metre						Rs 3421.80	
16	50.18.9.17.2 Providing and fixing PVC pipes including fixing the pipe with clamps/clips 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 63 mm dia 4 Kgf/cm2- External work - exposed on wall							

		1	3.000				3.000	
	Total Quantity						3.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						3.000 metre	
	Say 3.000 metre @ Rs 224.05 / metre						Rs 672.15	
17	50.18.9.18.2 Providing and fixing PVC pipes including fixing the pipe with clamps/Clips at 1.00 m spacing. This included jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 75 mm dia 4 Kgf/cm ² - External work - Exposed on wall							
		1	20.000				20.000	
	Total Quantity						20.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						20.000 metre	
	Say 20.000 metre @ Rs 238.70 / metre						Rs 4774.00	
18	50.18.9.8.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 75 mm dia 6 Kg/ cm ²							
		1	3.000				3.000	
	Total Quantity						3.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						3.000 metre	
	Say 3.000 metre @ Rs 357.87 / metre						Rs 1073.61	
19	50.18.9.9.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of Joints complete as per direction of engineer in charge.110 mm dia 6Kgf/cm ²							
		1	102.000				102.000	
	Total Quantity						102.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						102.000 metre	
	Say 102.000 metre @ Rs 522.82 / metre						Rs 53327.64	
20	50.18.9.10.1 Providing and fixing PVC pipes includings jointing of pipes with one step pvc solvent cement, trenching , refilling & testing of joints complete as per direction of Engineer in Charge. 150 mm dia 6 Kg/cm ²							
		1	3.000				3.000	
	Total Quantity						3.000 metre	

									Total Deducted Quantity	0.000 metre
									Net Total Quantity	3.000 metre
									Say 3.000 metre @ Rs 899.67 / metre	Rs 2699.01
21	od161007/2022_2023 Providing , fixing , testing and commissioning pvc multy inlet (110x75x50x50x50) floor trap of self cleansing design with or without vent arm complete, including cost of masonry or concrete supports cutting and making good the walls and floors where ever required									
			6							6.000
									Total Quantity	6.000 each
									Total Deducted Quantity	0.000 each
									Net Total Quantity	6.000 each
									Say 6.000 each @ Rs 461.52 / each	Rs 2769.12
22	od161008/2022_2023 Providing, fixing, testing and commissioning at site 100x100 mm square C.P.cast brass or stainless steel Grating Cover with protection from cockroaches of matching size of multi inlet or "P" trap complete in all respects.									
			6							6.000
									Total Quantity	6.000 each
									Total Deducted Quantity	0.000 each
									Net Total Quantity	6.000 each
									Say 6.000 each @ Rs 525.63 / each	Rs 3153.78
23	od161009/2022_2023 Providing and fixing GI slotted rail of approved design. projecting 75 mm outside the wall surface and fixed on wall with 2 nos, 6/8 mm dia expansion hold fasteners, including drilling necessary holes in brick wall / CC / RCC surface and the cost of bolts included. The pipes shall be fixed to the already fixed brackets with the help of 8 mm galvanised GI "U" bolts of specified shape and shall be fixed with GI nuts, bolts, & washers of suitable size, one bolts on each side of the pipe.									
			1	20.000						20.000
									Total Quantity	20.000 each
									Total Deducted Quantity	0.000 each
									Net Total Quantity	20.000 each
									Say 20.000 each @ Rs 998.65 / each	Rs 19973.00
24	19.4.2.1 150x100 mm size P typeWith common burnt clay F.P.S. (non modular) bricks of class designation 7.5									
			3							3.000
									Total Quantity	3.000 each

									Total Deducted Quantity	0.000 each
									Net Total Quantity	3.000 each
									Say 3.000 each @ Rs 2693.73 / each	Rs 8081.19
25	50.18.9.21	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Elbow								
		8							8.000	
									Total Quantity	8.000 no
									Total Deducted Quantity	0.000 no
									Net Total Quantity	8.000 no
									Say 8.000 no @ Rs 94.53 / no	Rs 756.24
26	50.18.9.21.2	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement -75 mm dia 45 degree Elbow								
		10							10.000	
									Total Quantity	10.000 no
									Total Deducted Quantity	0.000 no
									Net Total Quantity	10.000 no
									Say 10.000 no @ Rs 70.13 / no	Rs 701.30
27	50.18.9.21.4	Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Bend								
		6							6.000	
									Total Quantity	6.000 no
									Total Deducted Quantity	0.000 no
									Net Total Quantity	6.000 no
									Say 6.000 no @ Rs 88.13 / no	Rs 528.78
28	50.18.9.21.6	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75x75x75 mm dia Door Tee								
		6							6.000	
									Total Quantity	6.000 no
									Total Deducted Quantity	0.000 no
									Net Total Quantity	6.000 no
									Say 6.000 no @ Rs 106.50 / no	Rs 639.00

29	50.18.9.21.7 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Vent cowl	6					6.000	
		Total Quantity					6.000 no	
		Total Deducted Quantity					0.000 no	
		Net Total Quantity					6.000 no	
		Say 6.000 no @ Rs 86.38 / no					Rs 518.28	
30	50.18.9.21.9 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 75 mm dia Socket /coupling	12					12.000	
		Total Quantity					12.000 no	
		Total Deducted Quantity					0.000 no	
		Net Total Quantity					12.000 no	
		Say 12.000 no @ Rs 72.48 / no					Rs 869.76	
31	50.18.9.22.1 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia Elbow	6					6.000	
		Total Quantity					6.000 no	
		Total Deducted Quantity					0.000 no	
		Net Total Quantity					6.000 no	
		Say 6.000 no @ Rs 107.09 / no					Rs 642.54	
32	50.18.9.22.2 Providing and fixing PVC moulded fittings / accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia 45 degree Elbow	9					9.000	
		Total Quantity					9.000 no	
		Total Deducted Quantity					0.000 no	
		Net Total Quantity					9.000 no	
		Say 9.000 no @ Rs 104.79 / no					Rs 943.11	
33	50.18.9.22.4 Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement- 110 mm dia Bend	3					3.000	

								Total Quantity	3.000 no
								Total Deducted Quantity	0.000 no
								Net Total Quantity	3.000 no
								Say 3.000 no @ Rs 160.54 / no	Rs 481.62
34	50.18.9.22.6	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia Door tee							
		3						3.000	
								Total Quantity	3.000 no
								Total Deducted Quantity	0.000 no
								Net Total Quantity	3.000 no
								Say 3.000 no @ Rs 187.04 / no	Rs 561.12
35	50.18.9.22.8	Providing and fixing PVC moulded fittings /accessories for Rigid PVC pipes, including jointing with PVC solvent cement -110 mm dia Vent cowl							
		3						3.000	
								Total Quantity	3.000 no
								Total Deducted Quantity	0.000 no
								Net Total Quantity	3.000 no
								Say 3.000 no @ Rs 123.34 / no	Rs 370.02
36	50.18.9.22.11	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes,including jointing with PVC solvent cement - 110 mm dia Socket/ coupling							
		27						27.000	
								Total Quantity	27.000 no
								Total Deducted Quantity	0.000 no
								Net Total Quantity	27.000 no
								Say 27.000 no @ Rs 110.59 / no	Rs 2985.93
37	od161010/2022_2023	Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes,including jointing with PVC solvent cement - 150 mm dia Socket/ coupling							
		3						3.000	
								Total Quantity	3.000 each
								Total Deducted Quantity	0.000 each
								Net Total Quantity	3.000 each

		Say 3.000 each @ Rs 337.03 / each					Rs 1011.09	
38	50.18.8.3.2 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. Concealed work, including cutting chases and making good the wall etc. 25 mm pipe 10kgf /cm2							
		1	31.000				31.000	
		Total Quantity					31.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					31.000 metre	
		Say 31.000 metre @ Rs 416.49 / metre					Rs 12911.19	
39	50.18.7.3.2 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 10Kgf/ cm2- Internal work- Exposed on wall							
		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 263.61 / metre					Rs 10544.40	
40	50.18.7.4.1 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 32 mm dia 10Kgf/cm2- Internal work - Exposed on wall							
		1	22.000				22.000	
		Total Quantity					22.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					22.000 metre	
		Say 22.000 metre @ Rs 314.55 / metre					Rs 6920.10	
41	50.18.9.3.2 Providing and fixing PVC pipes includes jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm dia 10KGF/cm2							
		1	3.000				3.000	
		Total Quantity					3.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					3.000 metre	

	Say 3.000 metre @ Rs 214.13 / metre						Rs 642.39	
42	od161011/2022_2023 Providing and fixing ball valve (brass) of approved quality. 20 mm nominal bore							
		6					6.000	
	Total Quantity						6.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						6.000 each	
	Say 6.000 each @ Rs 620.78 / each						Rs 3724.68	
43	od161012/2022_2023 Providing and fixing ball valve (brass) of approved quality. 25 mm nominal bore							
		3					3.000	
	Total Quantity						3.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						3.000 each	
	Say 3.000 each @ Rs 954.67 / each						Rs 2864.01	
44	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	1500.000				1500.000	
	Total Quantity						1500.000 Litre	
	Total Deducted Quantity						0.000 Litre	
	Net Total Quantity						1500.000 Litre	
	Say 1500.000 Litre @ Rs 10.24 / Litre						Rs 15360.00	
	Provision for GST payments (in %) @						0.0%	
	Amount reserved for GST payments						0.00	
	Total						262508.00	
	Lumpsum for round off						0.00	
	TOTAL Rs 262508.00							
	Rounded Total Rs 2,62,508							
	Rupees Two Lakh Sixty Two Thousand Five Hundred and Eight Only							

(Cost Index Applied for this estimate is 33.9%)

Data Analysis

PHE Estimate

1 Specification Code: od161006/2022_2023

**od161006/2022_2023 :Supplying & fixing of 4 nos of Grab bar and 1 no of Folding type Grab bar with necessary fittings at both side of commode for physically challend persons all complete as directed.
Make: Parryware/ Equivalent.**

Code	Description	Unit	Quantity	Rate	Amount
MR	Hand Grip	each	4.00000	2850.00	11400.00
MR	Grab Bar Vertical Swing	each	1.00000	10305.08	10305.08
9988	Carriage and sundries	L.S	32.24000	2.00	64.48
0116	Fitter(grade1)	Day	0.40000	738.00	295.20
0117	Assistant Fitter or 2nd class fitter	Day	0.70000	679.00	475.30
TOTAL					22540.06
cost for one each					22540.06
	say				22540.06

	Add Water Charges @ 1.0%				225.40
	Add CPOH @ 15.0%				3414.81
	Cost index 33.9 %				328.77
	Total with Cost index				26509.05
	Say				26509.05

2 Specification Code: od161007/2022_2023

od161007/2022_2023 :Providing , fixing , testing and commissioning pvc multy inlet (110x75x50x50x50) floor trap of self cleansing design with or without vent arm complete, including cost of masonry or concrete supports cutting and making good the walls and floors where ever required

Code	Description	Unit	Quantity	Rate	Amount
------	-------------	------	----------	------	--------

MR	PVC single inlet/ muly inlet(110x75x50x50x50) floor trap	each	1.00000	180.30	180.30
9999	Sundries	L.S	13.52000	2.00	27.04
9977	Carriage	L.S	2.73000	2.00	5.46
0123	Mason (brick layer) 1st class	Day	0.10000	738.00	73.80
0114	Beldar	Day	0.10000	558.00	55.80

TOTAL					342.40
cost for one each					342.40
	say				342.40

	Add Water Charges @ 1.0%				3.42
	Add CPOH @ 15.0%				51.87
	Cost index 33.9 %				63.82
	Total with Cost index				461.52
	Say				461.52

3 Specification Code: od161008/2022_2023

od161008/2022_2023 :Providing, fixing, testing and commissioning at site 100x100 mm square C.P.cast brass or stainless steel Grating Cover with protection from cockroaches of matching size of multi inlet or "P" trap complete in all respects.

Code	Description	Unit	Quantity	Rate	Amount
MR	Cockroach Trap	each	1.00000	330.00	330.00
9999	Sundries	L.S	13.52000	2.00	27.04
9988	Carriage and sundries	L.S	32.24000	2.00	64.48
TOTAL					421.52
cost for one each					421.52
	say				421.52

	Add Water Charges @ 1.0%				4.21
--	--------------------------	--	--	--	-------------

	Add CPOH @ 15.0%				63.86
	Cost index 33.9 %				36.03
	Total with Cost index				525.63
	Say				525.63

4 Specification Code: od161009/2022_2023

od161009/2022_2023 :Providing and fixing GI slotted rail of approved design. projecting 75 mm outside the wall surface and fixed on wall with 2 nos, 6/8 mm dia expansion hold fasteners, including drilling necessary holes in brick wall / CC / RCC surface and the cost of bolts included. The pipes shall be fixed to the already fixed brackets with the help of 8 mm galvanised GI "U" bolts of specified shape and shall be fixed with GI nuts, bolts, & washers of suitable size, one bolts on each side of the pipe.

Code	Description	Unit	Quantity	Rate	Amount
MR	Slotted rail	metre	1.00000	199.53	199.53
1330	Clamps and M.S. stays including bolts and nuts for 100 mm pipe	each	5.00000	67.50	337.50
8776	Stainless Steel dash fastener of 8 mm dia and 75 mm long bolt	each	5.00000	15.00	75.00
9988	Carriage and sundries	L.S	40.30000	2.00	80.60
TOTAL					692.63
cost for one each					692.63
	say				692.63

	Add Water Charges @ 1.0%				6.92
	Add CPOH @ 15.0%				104.93
	Cost index 33.9 %				194.15
	Total with Cost index				998.65
	Say				998.65

5 Specification Code: od161010/2022_2023

od161010/2022_2023 :Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes,including jointing with PVC solvent cement - 150 mm dia Socket/ coupling

Code	Description	Unit	Quantity	Rate	Amount
MR	PVC Socket/coupling 150 mm dia	each	1.00000	225.07	225.07
9999	Sundries	L.S	7.15000	2.00	14.30
9999	Sundries	L.S	17.16000	2.00	34.32
TOTAL					273.69
cost for one each					273.69
	say				273.69

	Add Water Charges @ 1.0%				2.73
	Add CPOH @ 15.0%				41.46
	Cost index 33.9 %				19.14
	Total with Cost index				337.03
	Other Engineering Organisations Say				337.03

6 Specification Code: od161011/2022_2023

od161011/2022_2023 :Providing and fixing ball valve (brass) of approved quality.
20 mm nominal bore

Details of cost for one no

MATERIAL:

Code	Description	Unit	Quantity	Rate	Amount
MR	20 mm dia 	each	1.00000	462.40	462.40
9988	Carriage and sundries of materials and fixing charge	L.S	26.91000	2.00	53.82
TOTAL					516.22
cost for one each					516.22
	say				516.22

	Add Water Charges @ 1.0%				5.16
	Add CPOH @ 15.0%				78.20
	Cost index 33.9 %				21.19
	Total with Cost index				620.78
	Say				620.78

7 Specification Code: od161012/2022_2023

**od161012/2022_2023 :Providing and fixing ball valve (brass) of approved quality.
25 mm nominal bore**
 Details of cost for one no
 MATERIAL:

Code	Description	Unit	Quantity	Rate	Amount
MR	25 mm dia 	each	1.00000	735.59	735.59
9988	Carriage and sundries of materials and fixing charge	L.S	32.24000	2.00	64.48
TOTAL					800.07
cost for one each					800.07
	say				800.07

	Add Water Charges @ 1.0%				8.00
	Add CPOH @ 15.0%				121.21
	Cost index 33.9 %				25.38
	Total with Cost index				954.67
	Say				954.67

Construction of care home at Kannur- Type A- FPS works

General Abstract

(Dsor year: **2018**, Cost Index Applied for this estimate is **33.9%**)

SI No	Heading Description	Amount
1	FPS Works	455921.18
	Provision for GST payments (in %) @	0.0%
	Amount reserved for GST payments	0.00
	Total	455921.00
	Lumpsum for round off	0.00
	TOTAL Rs 455921.00	
	Rounded Total Rs 4,55,921	
	Rupees Four Lakh Fifty Five Thousand Nine Hundred and Twenty One Only	

(Cost Index Applied for this estimate is 33.9%)



Other Engineering Organisations

PRICE

Construction of care home at Kannur- Type A- FPS works

Abstract Estimate

(Dsor year: **2018**, Cost Index Applied for this estimate is **33.9%**)

1 FPS Works		
1	od163498/2022_2023 Supply, Installation, Testing & Commissioning of Fire Fighting Terrace Pump with cast iron casing and cast iron impeller to ensure a minimum pressure of 3.5 kg/sq.cm. at highest and farthest outlet at a specified flow of 450 LPM with 35 meter head Make:Kirloskar/Wilo/ Equivalent	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 53143.56 / each		Rs 53143.56
2	od163499/2022_2023 Supply, Installation, Testing & Commissioning of Automatic Motor Control Panel with necessary Starters for 450 LPM Fire Terrace Pump.	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 24837.70 / each		Rs 24837.70
3	od163500/2022_2023 Supply, Installation, Testing & Commissioning of Pressure Guage of 100mm Ø, 0 - 200 psi as per requirement. Make: Baumer /H-Guru/Equivalent	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 1373.27 / each		Rs 1373.27
4	od163501/2022_2023 Supply, Installation, Testing & Commissioning of Pressure Switch as per requirement. Make: Indfoss/Baumer/Equivalent	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 2063.92 / each		Rs 2063.92
5	od163502/2022_2023 Supply, Installation, Testing & Commissioning of CI Butterfly Valve (PN 16) Slim Seal Standard Lever operated type having quality rubber seating, disc with required flanges, nuts, bolts etc complete. Make:Zoloto/Intervolve/Equivalent 100 mm dia	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 6553.67 / each		Rs 13107.34
6	od163503/2022_2023 Supply, Installation, Testing & Commissioning of Check Valve (Non-Return Valve) -Wafer type with required flanges, Nuts, Bolts and Gaskets etc.complete. Make:Zoloto/Intervolve/Equivalent 100 mm dia	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 8520.09 / each		Rs 8520.09

7	od163504/2022_2023 Supply, Installation, Testing & Commissioning of Y-Strainer with required Flanges, Nuts, Bolts and Gaskets etc.complete. Make:Zoloto/Intervolve/Equivalent 100 mm dia	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 12425.00 / each		Rs 12425.00
8	od163505/2022_2023 Supply, Installation, Testing & Commissioning of brass air release valve, 25mm dia with necessary coupling to be fitted on top of the riser. Make:Zoloto/Intervolve/Equivalent	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 1823.10 / each		Rs 1823.10
9	od163506/2022_2023 Supply, Installation, Testing & Commissioning of ball valve with fittings etc complete. Make:Zoloto/Intervolve/Equivalent 25mm dia	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 984.96 / each		Rs 984.96
10	od163507/2022_2023 Supply, Installation, Testing & Commissioning of ball valve with fittings etc complete. Make:Zoloto/Intervolve/Equivalent 15mm dia	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 532.79 / each		Rs 1065.58
11	od163508/2022_2023 Supply and Laying of 'MS' C class pipe for hydrant system with necessary fittings.The pipe shall be coated with oil primer and 2 coats of final red paint. Make: Tata/Jindal/Equivalent 100mm dia	
Net Total Quantity		60.000 metre
Say 60.000 metre @ Rs 2809.48 / metre		Rs 168568.80
12	od163509/2022_2023 Supply and Laying of 'MS' C class pipe for hydrant system with necessary fittings.The pipe shall be coated with oil primer and 2 coats of final red paint. Make: Tata/Jindal/Equivalent 80mm dia	
Net Total Quantity		2.000 metre
Say 2.000 metre @ Rs 2010.79 / metre		Rs 4021.58
13	od163510/2022_2023 Supply and Laying of 'MS' C class pipe for hydrant system with necessary fittings.The pipe shall be coated with oil primer and 2 coats of final red paint. Make: Tata/Jindal/Equivalent 25mm dia	
Net Total Quantity		1.000 metre
Say 1.000 metre @ Rs 797.57 / metre		Rs 797.57

14	od163511/2022_2023 Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :100mm dia	
Net Total Quantity		20.000 metre
Say 20.000 metre @ Rs 423.36 / metre		Rs 8467.20
15	od163512/2022_2023 Supply and wrapping with Tarfelt (1mm Thickness) material for Under Ground Pipes.	
Net Total Quantity		10.000 metre
Say 10.000 metre @ Rs 183.45 / metre		Rs 1834.50
16	od163513/2022_2023 Supply, Installation, Testing & Commissioning of Single Headed Hydrant Valve SS suitable for 63 mm Flanged Inlet, Female Instantaneous outlet, complete with Cap Chain etc, Make:NewAge/Monsher/Equivalent	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 7986.26 / each		Rs 15972.52
17	od163514/2022_2023 Supply, Installation, Testing & Commissioning of 63 mm dia RRL Hose Tested to a Bursting Pressure of 32 Kg / sq.cm made of Superior Quality Cotton and Nylon Jacket beaming Seamless Woven and Rot Proofed each of length 15 mtrs. complete with heavy quality SS coupling. Make:NewAge/Monsher/Equivalent	
Net Total Quantity		4.000 each
Say 4.000 each @ Rs 6223.38 / each		Rs 24893.52
18	od163515/2022_2023 Supply, Installation, Testing & Commissioning of SS branch Pipe with 63 mm female instantaneous inlet, male threaded outlet complete with hex. based nozzle heavy quality. Make:NewAge/Monsher/Equivalent	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 2665.36 / each		Rs 5330.72
19	od163516/2022_2023 Supply, Installation, Testing & Commissioning of Hose Reel Drum LPCB approved, EN Standard 30m long Hose. Make:NewAge/Monsher/Equivalent	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 10003.20 / each		Rs 20006.40
20	od163517/2022_2023 Supply, Installation, Testing & Commissioning of Hose Box Double Door Make:NewAge/Monsher/Equivalent	

		Net Total Quantity	2.000 each
		Say 2.000 each @ Rs 7943.61 / each	Rs 15887.22
21	od163518/2022_2023 Supply, Installation, Testing & Commissioning of 25mm Ball valve for Hydrant with fittings etc complete. Make:Zoloto/Intervalve/Equivalent		
		Net Total Quantity	2.000 each
		Say 2.000 each @ Rs 984.96 / each	Rs 1969.92
22	od163519/2022_2023 Supplying, Installation, Testing & Commissioning of Fire Brigade Inlet 3 Way Gunmetal with 63mm male instantaneous inlets. Make:NewAge/Monsher/Equivalent		
		Net Total Quantity	1.000 each
		Say 1.000 each @ Rs 12161.19 / each	Rs 12161.19
23	od163520/2022_2023 Supply, Installation, Testing & Commissioning of CI Butterfly Valve (PN 16) Slim Seal Standard Lever operated type having quality rubber seating, disc with required flanges, nuts, bolts etc complete. Make:Zoloto/Intervalve/Equivalent 100 mm dia		
		Net Total Quantity	1.000 each
		Say 1.000 each @ Rs 6553.67 / each	Rs 6553.67
24	od163521/2022_2023 Making of openings in structural (RCC) walls / slabs / beam for passage of pipes / cables using suitable core cutting machinery for the following sizes and making good of the openings after passage of services including clearing of debris 100mm		
		Net Total Quantity	3.000 each
		Say 3.000 each @ Rs 1198.25 / each	Rs 3594.75
25	od163522/2022_2023 FIRE EXTINGUISHER Supply, Installation, Testing & Commissioning of ABC Type Fire Extinguishers 6kg capacity. Make: Kanex/Minimax/Equivalent		
		Net Total Quantity	2.000 each
		Say 2.000 each @ Rs 5911.14 / each	Rs 11822.28
26	od163523/2022_2023 SIGNAGES Supply, Installation, Testing & Commissioning of Floor Identification Signage. Make: Prolite/Autolite/Equivalent		
		Net Total Quantity	2.000 each
		Say 2.000 each @ Rs 510.16 / each	Rs 1020.32
27	od163524/2022_2023 Supply, Installation, Testing & Commissioning of Fire Exit Signage. Make: Prolite/Autolite/Equivalent		
		Net Total Quantity	2.000 each

Say 2.000 each @ Rs 510.16 / each		Rs 1020.32
28	od163525/2022_2023 Supply, Installation, Testing & Commissioning of Fire Cabinet Signage. Make: Prolite/Autolite/Equivalent	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 510.16 / each		Rs 1020.32
29	od163526/2022_2023 Supply, Installation, Testing & Commissioning of Fire Extinguisher Signage. Make: Prolite/Autolite/Equivalent	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 510.16 / each		Rs 1020.32
30	od163527/2022_2023 Supply, Installation, Testing & Commissioning of Exit Light (Double Sided) with Battery Backup Make: Prolite/Autolite/Equivalent	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 5330.39 / each		Rs 10660.78
31	od163528/2022_2023 Supply & Installation of Fire Escape Route Map Size: A1	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 9976.38 / each		Rs 19952.76
Provision for GST payments (in %) @		0.0%
Amount reserved for GST payments		0.00
Total		455921.00
Lumpsum for round off		0.00
		TOTAL Rs 455921.00
		Rounded Total Rs 4,55,921
Rupees Four Lakh Fifty Five Thousand Nine Hundred and Twenty One Only		

(Cost Index Applied for this estimate is 33.9%)

Construction of care home at Kannur- Type A- FPS works

Detailed Estimate

(Dsr year: **2018**, Cost Index Applied for this estimate is **33.9%**)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1 FPS Works								
1	od163498/2022_2023 Supply, Installation, Testing & Commissioning of Fire Fighting Terrace Pump with cast iron casing and cast iron impeller to ensure a minimum pressure of 3.5 kg/sq.cm. at highest and farthest outlet at a specified flow of 450 LPM with 35 meter head Make:Kirloskar/Wilo/ Equivalent	1					1.000	
							Total Quantity	1.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	1.000 each
							Say 1.000 each @ Rs 53143.56 / each	Rs 53143.56
2	od163499/2022_2023 Supply, Installation, Testing & Commissioning of Automatic Motor Control Panel with necessary Starters for 450 LPM Fire Terrace Pump.	1					1.000	
							Total Quantity	1.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	1.000 each
							Say 1.000 each @ Rs 24837.70 / each	Rs 24837.70
3	od163500/2022_2023 Supply, Installation, Testing & Commissioning of Pressure Guage of 100mm Ø, 0 - 200 psi as per requirement. Make: Baumer /H-Guru/Equivalent	1					1.000	
							Total Quantity	1.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	1.000 each
							Say 1.000 each @ Rs 1373.27 / each	Rs 1373.27
4	od163501/2022_2023 Supply, Installation, Testing & Commissioning of Pressure Switch as per requirement. Make: Indfoss/Baumer/Equivalent	1					1.000	
							Total Quantity	1.000 each
							Total Deducted Quantity	0.000 each

										Net Total Quantity	1.000 each
										Say 1.000 each @ Rs 2063.92 / each	Rs 2063.92
5	od163502/2022_2023 Supply, Installation, Testing & Commissioning of CI Butterfly Valve (PN 16) Slim Seal Standard Lever operated type having quality rubber seating, disc with required flanges, nuts, bolts etc complete. Make:Zoloto/Intervalve/Equivalent 100 mm dia										
			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 6553.67 / each	Rs 13107.34
6	od163503/2022_2023 Supply, Installation, Testing & Commissioning of Check Valve (Non-Return Valve) -Wafer type with required flanges, Nuts, Bolts and Gaskets etc.complete. Make:Zoloto/Intervalve/Equivalent 100 mm dia										
			1								1.000
										Total Quantity	1.000 each
										Total Deducted Quantity	0.000 each
										Net Total Quantity	1.000 each
										Say 1.000 each @ Rs 8520.09 / each	Rs 8520.09
7	od163504/2022_2023 Supply, Installation, Testing & Commissioning of Y-Strainer with required Flanges, Nuts, Bolts and Gaskets etc.complete. Make:Zoloto/Intervalve/Equivalent 100 mm dia										
			1								1.000
										Total Quantity	1.000 each
										Total Deducted Quantity	0.000 each
										Net Total Quantity	1.000 each
										Say 1.000 each @ Rs 12425.00 / each	Rs 12425.00
8	od163505/2022_2023 Supply, Installation, Testing & Commissioning of brass air release valve, 25mm dia with necessary coupling to be fitted on top of the riser. Make:Zoloto/Intervalve/Equivalent										
			1								1.000
										Total Quantity	1.000 each
										Total Deducted Quantity	0.000 each
										Net Total Quantity	1.000 each
										Say 1.000 each @ Rs 1823.10 / each	Rs 1823.10

9	od163506/2022_2023 Supply, Installation, Testing & Commissioning of ball valve with fittings etc complete. Make:Zoloto/Intervale/Equivalent 25mm dia						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 984.96 / each						Rs 984.96
10	od163507/2022_2023 Supply, Installation, Testing & Commissioning of ball valve with fittings etc complete. Make:Zoloto/Intervale/Equivalent 15mm dia						
		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 532.79 / each						Rs 1065.58
11	od163508/2022_2023 Supply and Laying of 'MS' C class pipe for hydrant system with necessary fittings.The pipe shall be coated with oil primer and 2 coats of final red paint. Make: Tata/Jindal/Equivalent 100mm dia						
		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 2809.48 / metre						Rs 168568.80
12	od163509/2022_2023 Supply and Laying of 'MS' C class pipe for hydrant system with necessary fittings.The pipe shall be coated with oil primer and 2 coats of final red paint. Make: Tata/Jindal/Equivalent 80mm dia						
		1	2.000				2.000
	Total Quantity						2.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						2.000 metre
	Say 2.000 metre @ Rs 2010.79 / metre						Rs 4021.58
13	od163510/2022_2023 Supply and Laying of 'MS' C class pipe for hydrant system with necessary fittings.The pipe shall be coated with oil primer and 2 coats of final red paint. Make: Tata/Jindal/Equivalent 25mm dia						
		1	1.000				1.000

		Say 2.000 each @ Rs 984.96 / each					Rs 1969.92	
22	od163519/2022_2023 Supplying, Installation, Testing & Commissioning of Fire Brigade Inlet 3 Way Gunmetal with 63mm male instantaneous inlets. Make:NewAge/Monsher/Equivalent							
		1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 12161.19 / each					Rs 12161.19		
23	od163520/2022_2023 Supply, Installation, Testing & Commissioning of CI Butterfly Valve (PN 16) Slim Seal Standard Lever operated type having quality rubber seating, disc with required flanges, nuts, bolts etc complete. Make:Zoloto/Intervalve/Equivalent 100 mm dia							
		1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 6553.67 / each					Rs 6553.67		
24	od163521/2022_2023 Making of openings in structural (RCC) walls / slabs / beam for passage of pipes / cables using suitable core cutting machinery for the following sizes and making good of the openings after passage of services including clearing of debris 100mm							
		3					3.000	
	Total Quantity						3.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						3.000 each	
	Say 3.000 each @ Rs 1198.25 / each					Rs 3594.75		
25	od163522/2022_2023 FIRE EXTINGUISHER Supply, Installation, Testing & Commissioning of ABC Type Fire Extinguishers 6kg capacity. Make: Kanex/Minimax/Equivalent							
		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 5911.14 / each					Rs 11822.28		
26	od163523/2022_2023							

	SIGNAGES Supply, Installation, Testing & Commissioning of Floor Identification Signage. Make: Prolite/Autolite/Equivalent							
		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 510.16 / each						Rs 1020.32	
27	od163524/2022_2023 Supply, Installation, Testing & Commissioning of Fire Exit Signage. Make: Prolite/Autolite/Equivalent							
		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 510.16 / each						Rs 1020.32	
28	od163525/2022_2023 Supply, Installation, Testing & Commissioning of Fire Cabinet Signage. Make: Prolite/Autolite/Equivalent							
		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 510.16 / each						Rs 1020.32	
29	od163526/2022_2023 Supply, Installation, Testing & Commissioning of Fire Extinguisher Signage. Make: Prolite/Autolite/Equivalent							
		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 510.16 / each						Rs 1020.32	
30	od163527/2022_2023 Supply, Installation, Testing & Commissioning of Exit Light (Double Sided) with Battery Backup Make: Prolite/Autolite/Equivalent							
		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 5330.39 / each					Rs 10660.78	
31	od163528/2022_2023 Supply & Installation of Fire Escape Route Map Size: A1							
		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 9976.38 / each					Rs 19952.76	
		Provision for GST payments (in %) @					0.0%	
		Amount reserved for GST payments					0.00	
		Total					455921.00	
		Lumpsum for round off					0.00	
							TOTAL Rs 455921.00	
							Rounded Total Rs 4,55,921	
							Rupees Four Lakh Fifty Five Thousand Nine Hundred and Twenty One Only	

Other Engineering Organisations
(Cost Index Applied for this estimate is 33.9%)

PRICE

Data Analysis

FPS Works
1 Specification Code: od163498/2022_2023

Supply, Installation, Testing & Commissioning of Fire Fighting Terrace Pump with od163498/202 cast iron casing and cast iron impeller to ensure a minimum pressure of 3.5 2_2023 : kg/sq.cm. at highest and farthest outlet at a specified flow of 450 LPM with 35 meter head
Make:Kirloskar/Wilo/ Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	set	1.00000	41522.50	41522.50
	Add Cartage@1.00				415.23
	total				41937.73
MR	4.1.3 "Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:2:4 (cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)" 	cum	0.10000	6861.93	686.19
MR	5.9.1 "Centering and shuttering including strutting, etc. and removal of form for: Foundations, footings, bases of columns, etc for mass concrete"	sqm	0.50000	287.93	143.97
Total Cost of Materials					42767.89
1004	Fitter, Grade 1	Day	2.00000	673.00	1346.00
1087	Welder	Day	1.00000	673.00	673.00
1007	Khallas	Day	1.00000	553.00	553.00
TOTAL					45339.89
Add CPOH @ 15%					6800.98
cost for one each					52141.0
Say					52141.0

Cost index 33.9 %	1002.76
Total with Cost index	53143.76
Say	53143.76

2 Specification Code: od163499/2022_2023

od163499/202 Supply, Installation, Testing & Commissioning of Automatic Motor Control Panel 2_2023 : with necessary Starters for 450 LPM Fire Terrace Pump.

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	18500.0 0	18500.00
	Add Cartage@1.00				185.00
	total				18685.00
Total Cost of Materials					18685.0
1001	Wireman	Day	2.00000	673.00	1346.00
1007	Khallasi	Day	1.50000	553.00	829.50
TOTAL					20860.5
Add CPOH @ 15%					3129.07
cost for one each					23990.0
Say					23990.0
Cost index 33.9 %					848.18
Total with Cost index					24838.18
Say					24838.18

3 Specification Code: od163500/2022_2023

od163500/202 Supply, Installation, Testing & Commissioning of Pressure Guage of 100mm Ø, 0 2_2023 : - 200 psi as per requirement.
Make: Baumer /H-Guru/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	900.00	900.00
	Add Cartage@1.00				9.00
	total				909.00
Total Cost of Materials					909.0
1004	Fitter, Grade 1	Day	0.20000	673.00	134.60
1087	Welder	Day	0.10000	673.00	67.30
1007	Khallasi	Day	0.02000	553.00	11.06
TOTAL					1121.96
Add CPOH @ 15%					168.29
cost for one each					1290.0
Say					1290.0
Cost index 33.9 %					83.06
Total with Cost index					1373.06
Other Engineering Organisations Say					1373.06

4 Specification Code: od163501/2022_2023

od163501/202 Supply, Installation, Testing & Commissioning of Pressure Switch as per 2_2023 : requirement.
Make: Indfoss/Baumer/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	1450.00	1450.00
	Add Cartage@1.00				14.50
	total				1464.50
Total Cost of Materials					1464.5
1004	Fitter, Grade 1	Day	0.25000	673.00	168.25
1087	Welder	Day	0.10000	673.00	67.30

1007	Khallasi	Day	0.02000	553.00	11.06
------	----------	-----	---------	--------	-------

		TOTAL	1711.11
		Add CPOH @ 15%	256.67
		cost for one each	1968.0
		Say	1968.0
		Cost index 33.9 %	96.28
		Total with Cost index	2064.28
		Say	2064.28

5 Specification Code: od163502/2022_2023

Supply, Installation, Testing & Commissioning of CI Butterfly Valve (PN 16) Slim od163502/202 Seal Standard Lever operated type having quality rubber seating, disc with 2_2023: required flanges, nuts, bolts etc complete.

Make:Zoloto/Intervalve/Equivalent
100 mm dia

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	4423.40	4423.40
	Add Cartage@1.00				44.23
	total				4467.63
Total Cost of Materials					4467.63
1004	Fitter, Grade 1	Day	0.50000	673.00	336.50
1087	Welder	Day	0.25000	673.00	168.25
1007	Khallasi	Day	0.75000	553.00	414.75
TOTAL					5387.13
Add CPOH @ 15%					808.07
cost for one each					6195.0
Say					6195.0
Cost index 33.9 %					358.32

Total with Cost index	6553.32
Say	6553.32

6 Specification Code: od163503/2022_2023

od163503/2022_2023 : Supply, Installation, Testing & Commissioning of Check Valve (Non-Return Valve)
-Wafer type with required flanges, Nuts, Bolts and Gaskets etc.complete.

Make:Zoloto/Intervolve/Equivalent
100 mm dia

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	6148.90	6148.90
	Add Cartage@1.00				61.49
	total				6210.39
Total Cost of Materials					6210.39
1004	Fitter, Grade 1	Day	0.50000	673.00	336.50
1087	Welder	Day	0.23000	673.00	154.79
1007	Khallasi	Day	0.73000	553.00	403.69
TOTAL					7105.37
Add CPOH @ 15%					1065.81
cost for one each					8171.0
Say					8171.0
Cost index 33.9 %					348.83
Total with Cost index					8519.83
Say					8519.83

7 Specification Code: od163504/2022_2023

od163504/2022_2023 : Supply, Installation, Testing & Commissioning of Y-Strainer with required Flanges,
Nuts, Bolts and Gaskets etc.complete.

Make:Zoloto/Intervolve/Equivalent
100 mm dia

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	9552.30	9552.30
	Add Cartage@1.00				95.52
	total				9647.82
Total Cost of Materials					9647.82
1004	Fitter, Grade 1	Day	0.50000	673.00	336.50
1087	Welder	Day	0.20000	673.00	134.60
1007	Khallasi	Day	0.71000	553.00	392.63
TOTAL					10511.55
Add CPOH @ 15%					1576.73
cost for one each					12088.0
Say					12088.0
Cost index 33.9 %					336.63
Total with Cost index					12424.63
Say					12424.63

8 Specification Code: od163505/2022_2023

od163505/2022_2023 : Supply, Installation, Testing & Commissioning of brass air release valve, 25mm dia with necessary coupling to be fitted on top of the riser.

Make:Zoloto/Intervolve/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	1250.00	1250.00
	Add Cartage@1.00				12.50
	total				1262.50
Total Cost of Materials					1262.5

1004	Fitter, Grade 1	Day	0.25000	673.00	168.25
1087	Welder	Day	0.10000	673.00	67.30
1007	Khallasi	Day	0.01000	553.00	5.53

TOTAL		1503.58
Add CPOH @ 15%		225.54
cost for one each		1729.0
Say		1729.0
Cost index 33.9 %		93.90
Total with Cost index		1822.90
Say		1822.90

9 Specification Code: od163506/2022_2023

od163506/202 Supply, Installation, Testing & Commissioning of ball valve with fittings etc
2_2023 : complete.
Make:Zoloto/Intervalve/Equivalent
25mm dia

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	730.15	730.15
	Add Cartage@1.00				7.30
	total				737.45
Total Cost of Materials					737.45
MR	9988-Sundries including carriage	Day	10.7900 0	2.68	28.92
1087	Welder	Day	0.10000	673.00	67.30
TOTAL					833.67
Add CPOH @ 15%					125.05
cost for one each					959.0
Say					959.0
Cost index 33.9 %					26.44

Total with Cost index	985.44
Say	985.44

10 Specification Code: od163507/2022_2023

od163507/202 Supply, Installation, Testing & Commissioning of ball valve with fittings etc
2_2023 : complete.
Make:Zoloto/Intervalve/Equivalent
15mm dia

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	340.85	340.85
	Add Cartage@1.00				3.41
	total				344.26
Total Cost of Materials					344.26
MR	9988-Sundries including carriage	Day	10.7900 0	2.68	28.92
1087	Welder	Day	0.10000	673.00	67.30
TOTAL					440.48
Add CPOH @ 15%					66.07
cost for one each					507.0
Say					507.0
Cost index 33.9 %					26.44
Total with Cost index					533.44
Say					533.44

11 Specification Code: od163508/2022_2023

od163508/202 Supply and Laying of 'MS' C class pipe for hydrant system with necessary
2_2023 : fittings.The pipe shall be coated with oil primer and 2 coats of final red
paint.
Make: Tata/Jindal/Equivalent
100mm dia

Code	Description	Unit	Quantity	Rate	Amount
	Cost of 10 Metres 				
MR	Basic Cost	metre	10.5000 0	1425.00	14962.50
	Add for necessary brackets,supports,saddles,clamps,hange rs,vibration-isolators and fittings such as bends,tees etc. @25.00				3740.63
	total				18703.13
MR	Cartage Charge	L.S	1.00000	187.03	187.03
Total Cost of Materials					18890.16
1004	Fitter, Grade 1	Day	2.50000	673.00	1682.50
1087	Welder	Day	0.75000	673.00	504.75
1006	Painter	Day	0.25000	612.00	153.00
1007	Khallasi	Day	3.25000	553.00	1797.25
Other Engineering Organisations TOTAL					23027.66
Add CPOH @ 15%					3454.15
cost for 10.0 metre					26481.81
cost for one metre					2648.0
Say					2648.0
Cost index 33.9 %					161.36
Total with Cost index					2809.36
Say					2809.36

12 Specification Code: od163509/2022_2023

od163509/2022_2023 : Supply and Laying of 'MS' C class pipe for hydrant system with necessary fittings.The pipe shall be coated with oil primer and 2 coats of final red paint.
Make: Tata/Jindal/Equivalent
80mm dia

Code	Description	Unit	Quantity	Rate	Amount
	Cost of 10 Metres 				
MR	Basic Cost	metre	10.5000 0	980.00	10290.00
	Add for necessary brackets,supports,saddles,clamps,hange rs,vibration-isolators and fittings such as bends,tees etc. @25.00				2572.50
	total				12862.50
MR	Cartage Charge	L.S	1.00000	128.63	128.63
Total Cost of Materials					12991.13
1004	Fitter, Grade 1	Day	2.00000	673.00	1346.00
1087	Welder	Day	0.50000	673.00	336.50
1006	Painter	Day	0.25000	612.00	153.00
1007	Khallasi	Day	2.75000	553.00	1520.75
Other Engineering Organisations TOTAL					16347.38
Add CPOH @ 15%					2452.11
cost for 10.0 metre					18799.49
cost for one metre					1880.0
Say					1880.0
Cost index 33.9 %					130.85
Total with Cost index					2010.85
Say					2010.85

13 Specification Code: od163510/2022_2023

od163510/2022_2023 : Supply and Laying of 'MS' C class pipe for hydrant system with necessary fittings.The pipe shall be coated with oil primer and 2 coats of final red paint.
Make: Tata/Jindal/Equivalent
25mm dia

Code	Description	Unit	Quantity	Rate	Amount
	Cost of 10 Metres 				
MR	Basic Cost	metre	10.5000 0	308.00	3234.00
	Add for necessary brackets,supports,saddles,clamps,hange rs,vibration-isolators and fittings such as bends,tees etc. @25.00				808.50
	total				4042.50
MR	Cartage Charge	L.S	1.00000	40.43	40.43
Total Cost of Materials					4082.93
1004	Fitter, Grade 1	Day	1.25000	673.00	841.25
1087	Welder	Day	0.25000	673.00	168.25
1006	Painter	Day	0.25000	612.00	153.00
1007	Khallasi	Day	1.75000	553.00	967.75
Other Engineering Organisations TOTAL					6213.18
Add CPOH @ 15%					931.98
cost for 10.0 metre					7145.16
cost for one metre					715.0
Say					715.0
Cost index 33.9 %					83.06
Total with Cost index					798.06
Say					798.06

14 Specification Code: od163511/2022_2023

Excavating trenches of required width for pipes, cables, etc including excavation od163511/202 for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, 2_2023 : including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer

by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :100mm dia

Code	Description	Unit	Quantity	Rate	Amount
MR	2.8.1 Rate as per item no. 2.8.1 of SH: Earth work	cum	84.8900 0	254.99	21646.10
MR	2.25 Rate as per Item Number 2.25 of SH: Earth Work	cum	84.8900 0	222.04	18848.98
TOTAL					40495.08
Add CPOH @ 15%					6074.26
cost for 110.0 metre					46569.34
cost for one metre					423.0
Say					423.0
Cost index 33.9 %					.00
Total with Cost index					423.00
Other Engineering Organisations Say					423.00

PRICE

15 Specification Code: od163512/2022_2023

od163512/202 Supply and wrapping with Tarfelt (1mm Thickness) material for Under Ground 2_2023 : Pipes.

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	metre	1.00000	95.00	95.00
	Add Cartage@1.00				0.95
	total				95.95
Total Cost of Materials					95.95
1004	Fitter, Grade 1	Day	0.05000	673.00	33.65
1007	Khallasi	Day	0.02500	553.00	13.83
TOTAL					143.43

Add CPOH @ 15%	21.51
cost for one metre	165.0
Say	165.0

Cost index 33.9 %	18.64
Total with Cost index	183.65
Say	183.65

16 Specification Code: od163513/2022_2023

od163513/2022_2023 : Supply, Installation, Testing & Commissioning of Single Headed Hydrant Valve SS suitable for 63 mm Flanged Inlet, Female Instantaneous outlet, complete with Cap Chain etc,
Make:NewAge/Monsher/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	5970.80	5970.80
	Add Cartage@1.00				59.71
	total				6030.51
Total Cost of Materials					6030.51
1004	Fitter, Grade 1	Day	0.35000	673.00	235.55
1087	Welder	Day	0.50000	673.00	336.50
1007	Khallasi	Day	0.20000	553.00	110.60
TOTAL					6713.16
Add CPOH @ 15%					1006.97
cost for one each					7720.0
Say					7720.0
Cost index 33.9 %					266.12
Total with Cost index					7986.12
Say					7986.12

17 Specification Code: od163514/2022_2023

Supply, Installation, Testing & Commissioning of 63 mm dia RRL Hose Tested to od163514/202 a Bursting Pressure of 32 Kg / sq.cm made of Superior Quality Cotton and Nylon 2_2023 : Jacket beaming Seamless Woven and Rot Proofed each of length 15 mtrs. complete with heavy quality SS coupling.
Make:NewAge/Monsher/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	4692.00	4692.00
	Add Cartage@1.00				46.92
	total				4738.92
Total Cost of Materials					4738.92
1004	Fitter, Grade 1	Day	0.50000	673.00	336.50
1007	Khallasi	Day	0.30000	553.00	165.90
TOTAL					5241.32
Add CPOH @ 15%					786.20
cost for one each					6028.0
Say					6028.0
Cost index 33.9 %					195.94
Total with Cost index					6223.94
Say					6223.94

18 Specification Code: od163515/2022_2023

od163515/202 Supply, Installation, Testing & Commissioning of SS branch Pipe with 63 mm female instantaneous inlet, male threaded outlet complete with hex. based nozzle 2_2023 : heavy quality.
Make:NewAge/Monsher/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	2043.00	2043.00

	Add Cartage@1.00				20.43
		total			2063.43
Total Cost of Materials					2063.43
1004	Fitter, Grade 1	Day	0.20000	673.00	134.60
1007	Khallasi	Day	0.10000	553.00	55.30

TOTAL		2253.33
Add CPOH @ 15%		338.00
cost for one each		2591.0
Say		2591.0
Cost index 33.9 %		73.90
Total with Cost index		2664.90
Say		2664.90

19 Specification Code: od163516/2022_2023

Other Engineering Organisations

od163516/202 Supply, Installation, Testing & Commissioning of Hose Reel Drum LPCB
2_2023 : approved, EN Standard 30m long Hose.
Make:NewAge/Monsher/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	8096.00	8096.00
	Add Cartage@1.00				80.96
		total			8176.96
Total Cost of Materials					8176.96
1004	Fitter, Grade 1	Day	0.25000	673.00	168.25
1007	Khallasi	Day	0.40000	553.00	221.20
TOTAL					8566.41
Add CPOH @ 15%					1284.96
cost for one each					9851.0

Say	9851.0
Cost index 33.9 %	151.53
Total with Cost index	10002.53
Say	10002.53

20 Specification Code: od163517/2022_2023

od163517/202 Supply, Installation, Testing & Commissioning of Hose Box Double Door
2_2023 :
Make:NewAge/Monsher/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	6624.00	6624.00
	Add Cartage@1.00				66.24
	total				6690.24
Total Cost of Materials					6690.24
1004	Fitter, Grade 1	Day	0.20000	673.00	134.60
1007	Khallasi	Day	0.05000	553.00	27.65
TOTAL					6852.49
Add CPOH @ 15%					1027.87
cost for one each					7880.0
Say					7880.0
Cost index 33.9 %					63.05
Total with Cost index					7943.05
Say					7943.05

21 Specification Code: od163518/2022_2023

od163518/202 Supply, Installation, Testing & Commissioning of 25mm Ball valve for Hydrant with
2_2023 : fittings etc complete.
Make:Zoloto/Intervolve/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	730.15	730.15
	Add Cartage@1.00				7.30
	total				737.45
MR	9988 Sundries including carriage	Day	10.7900 0	2.68	28.92
Total Cost of Materials					766.37
1087	Welder	Day	0.10000	673.00	67.30
TOTAL					833.67
Add CPOH @ 15%					125.05
cost for one each					959.0
Say					959.0
Cost index 33.9 %					26.44
Total with Cost index					985.44
Other Engineering Organisations Say					985.44

22 Specification Code: od163519/2022_2023

od163519/2022_2023: Supplying, Installation, Testing & Commissioning of Fire Brigade Inlet 3 Way Gunmetal with 63mm male instantaneous inlets.
 Make: New Age / Monsher / Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	9476.00	9476.00
	Add Cartage@1.00				94.76
	total				9570.76
Total Cost of Materials					9570.76
1004	Fitter, Grade 1	Day	0.80000	673.00	538.40
1087	Welder	Day	0.15000	673.00	100.95

1007	Khallasi	Day	0.20000	553.00	110.60
------	----------	-----	---------	--------	--------

TOTAL		10320.71
Add CPOH @ 15%		1548.11
cost for one each		11869.0
Say		11869.0
Cost index 33.9 %		292.56
Total with Cost index		12161.56
Say		12161.56

23 Specification Code: od163520/2022_2023

Supply, Installation, Testing & Commissioning of CI Butterfly Valve (PN 16) Slim od163520/202 Seal Standard Lever operated type having quality rubber seating, disc with 2_2023: required flanges, nuts, bolts etc complete.

Make:Zoloto/Intervalve/Equivalent
100 mm dia

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	4423.40	4423.40
	Add Cartage@1.00				44.23
	total				4467.63
Total Cost of Materials					4467.63
1004	Fitter, Grade 1	Day	0.50000	673.00	336.50
1087	Welder	Day	0.25000	673.00	168.25
1007	Khallasi	Day	0.75000	553.00	414.75
TOTAL					5387.13
Add CPOH @ 15%					808.07
cost for one each					6195.0
Say					6195.0
Cost index 33.9 %					358.32

Total with Cost index	6553.32
Say	6553.32

24 Specification Code: od163521/2022_2023

Making of openings in structural (RCC) walls / slabs / beam for passage of pipes od163521/202 / cables using suitable core cutting machinery for the following sizes and making 2_2023 : good of the openings after passage of services including clearing of debris
100mm

Code	Description	Unit	Quantity	Rate	Amount
MR	Chemical Charges	kg	0.60000	21.00	12.60
MR	9999-Machine Hire charges	L.S	100.000 00	2.68	268.00
Total Cost of Materials					280.6
MR	0116 Fitter (grade 1) 	Day	0.30000	988.18	296.45
MR	0117 Assistant Fitter or 2nd class Fitter	Day	0.50000	909.18	454.59
TOTAL					1031.64
Add Water Charges @ 1%					10.32
Add CPOH @ 15%					156.29
cost for one each					1198.0
Say					1198.0
Cost index 33.9 %					.00
Total with Cost index					1198.00
Say					1198.00

25 Specification Code: od163522/2022_2023

od163522/202 FIRE EXTINGUISHER
Supply, Installation, Testing & Commissioning of ABC 2_2023 : Type Fire Extinguishers 6kg capacity.
Make: Kanex/Minimax/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	5000.00	5000.00
	Add Cartage@1.00				50.00
	total				5050.00
Total Cost of Materials					5050.0
1004	Fitter, Grade 1	Day	0.10000	673.00	67.30
TOTAL					5117.3
Add CPOH @ 15%					767.60
cost for one each					5885.0
Say					5885.0
Cost index 33.9 %					26.10
Total with Cost index					5911.10
Say					5911.10

26 Specification Code: od163523/2022_2023

od163523/202 SIGNAGES
Supply, Installation, Testing & Commissioning of Floor
2_2023 : Identification Signage.
Make: Prolite/Autolite/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	350.00	350.00
	Add Cartage@1.00				3.50
	total				353.50
Total Cost of Materials					353.5
1004	Fitter, Grade 1	Day	0.10000	673.00	67.30
TOTAL					420.8
Add CPOH @ 15%					63.12
cost for one each					484.0

Say	484.0
-----	-------

Cost index 33.9 %	26.10
Total with Cost index	510.10
Say	510.10

27 Specification Code: od163524/2022_2023

od163524/202 Supply, Installation, Testing & Commissioning of Fire Exit Signage.
Make:
2_2023 : Prolite/Autolite/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	350.00	350.00
	Add Cartage@1.00				3.50
	total				353.50
Total Cost of Materials					353.5
1004	Fitter, Grade 1	Day	0.10000	673.00	67.30
TOTAL					420.8
Add CPOH @ 15%					63.12
cost for one each					484.0
Say					484.0
Cost index 33.9 %					26.10
Total with Cost index					510.10
Say					510.10

28 Specification Code: od163525/2022_2023

od163525/202 Supply, Installation, Testing & Commissioning of Fire Cabinet Signage.
Make:
2_2023 : Prolite/Autolite/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	350.00	350.00
	Add Cartage@1.00				3.50
	total				353.50
Total Cost of Materials					353.5
1004	Fitter, Grade 1	Day	0.10000	673.00	67.30
TOTAL					420.8
Add CPOH @ 15%					63.12
cost for one each					484.0
Say					484.0
Cost index 33.9 %					26.10
Total with Cost index					510.10
Say					510.10

29 Specification Code: od163526/2022_2023

od163526/202 Supply, Installation, Testing & Commissioning of Fire Extinguisher
2_2023 : Signage.
Make: Prolite/Autolite/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	350.00	350.00
	Add Cartage@1.00				3.50
	total				353.50
Total Cost of Materials					353.5
1004	Fitter, Grade 1	Day	0.10000	673.00	67.30
TOTAL					420.8
Add CPOH @ 15%					63.12
cost for one each					484.0

Say	484.0
Cost index 33.9 %	26.10
Total with Cost index	510.10
Say	510.10

30 Specification Code: od163527/2022_2023

od163527/202 Supply, Installation, Testing & Commissioning of Exit Light (Double Sided) with
2_2023 : Battery Backup
Make: Prolite/Autolite/Equivalent

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	4500.00	4500.00
	Add Cartage@1.00				45.00
	total				4545.00
Total Cost of Materials					4545.0
1004	Fitter, Grade 1	Day	0.10000	673.00	67.30
TOTAL					4612.3
Add CPOH @ 15%					691.85
cost for one each					5304.0
Say					5304.0
Cost index 33.9 %					26.10
Total with Cost index					5330.10
Say					5330.10

31 Specification Code: od163528/2022_2023

od163528/202 Supply & Installation of Fire Escape Route Map
Size: A1
2_2023 :

Code	Description	Unit	Quantity	Rate	Amount
MR	Basic Cost	each	1.00000	8500.00	8500.00
	Add Cartage@1.00				85.00
	total				8585.00
Total Cost of Materials					8585.0
1004	Fitter, Grade 1	Day	0.10000	673.00	67.30
TOTAL					8652.3
Add CPOH @ 15%					1297.84
cost for one each					9950.0
Say					9950.0
Cost index 33.9 %					26.10
Total with Cost index					9976.10
Say					9976.10

Other Engineering Organisations

PRICE

CONSTRUCTION OF CARE HOME AT KANNUR

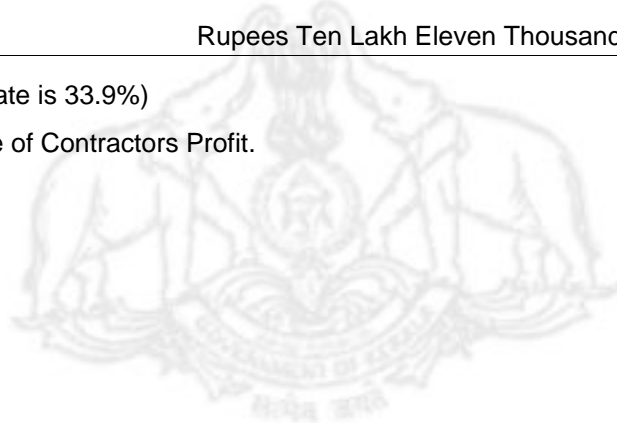
General Abstract

(Dsr year: **2018**, Cost Index Applied for this estimate is **33.9%**)

SI No	Heading Description	Amount
1	Interior works	1011407.03
	Provision for GST payments (in %) @	0.0%
	Amount reserved for GST payments	0.00
	Total	1011407.00
	Lumpsum for round off	0.00
		TOTAL Rs 1011407.00
		Rounded Total Rs 10,11,407
	Rupees Ten Lakh Eleven Thousand Four Hundred and Seven Only	

(Cost Index Applied for this estimate is 33.9%)

Note : Rate adopted are exclusive of Contractors Profit.



Other Engineering Organisations

PRICE

CONSTRUCTION OF CARE HOME AT KANNUR

Abstract Estimate

(Dsr year: **2018**, Cost Index Applied for this estimate is **33.9%**)

1 Interior works		
1	<p>od161297/2022_2023</p> <p>Cement board partition (Modified 9.105.1)
Providing and fixing partition up to ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with Zinc coating of 120 gms/ (both side inclusive), consisting of floor and ceiling channel 50 mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.68 mm overall thickness partition with 9 mm thick heavy duty fiber cement board</p>	
Net Total Quantity		92.706 sqm
Say 92.706 sqm @ Rs 3011.38 / sqm		Rs 279172.99
2	<p>od161365/2022_2023</p> <p>Flush Door :
Providing and fixing 35 mm thick Masonite skin door shutters(Make:Fero/Equivalent) ,frame finished with imported seasoned southern yellow pinewood or finger jointed pinewood and core filled with solid particle board.Shutter to be finished with wooden texture primer suitable for staining or painting .Including cost and conveyance of all material and labour charges etc.</p>	
Net Total Quantity		102.060 sqm
Say 102.060 sqm @ Rs 2800.52 / sqm		Rs 285821.07
3	<p>od161380/2022_2023</p> <p>Providing and fixing stainless steel ball bearing butt hinges SS304,SSS,4"X3"X3MM (model no:926.32.160) (make:Hafele/Equivalent) with stainless steel screws etc. complete OD (9.70.1 modified)</p>	
Net Total Quantity		216.000 no
Say 216.000 no @ Rs 517.88 / no		Rs 111862.08
4	<p>od161386/2022_2023</p> <p>SS tower bolts: Providing and fixing bright finished SS tower bolts 6" (barrel type) (model no:911.81.576, make:Hafele/Equivalent)with necessary screws etc. complete: OD (9.74.3 modified)</p>	
Net Total Quantity		108.000 no
Say 108.000 no @ Rs 656.41 / no		Rs 70892.28

5	od161776/2022_2023 Providing and fixing mortice latch and lock with a pair of lever handles (Model :BM 06 175mm Door handles set lock body 2c ,make:Godrej/Equivalent)of approved quality with necessary screws etc. complete.(OD 9.76 Modified)	
Net Total Quantity		54.000 each
Say 54.000 each @ Rs 2281.67 / each		Rs 123210.18
6	10.16.1 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.Hot finished welded type tubes	
Net Total Quantity		378.610 kg
Say 378.610 kg @ Rs 155.83 / kg		Rs 58998.80
7	13.80 Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	
Net Total Quantity		185.406 sqm
Say 185.406 sqm @ Rs 125.10 / sqm		Rs 23194.29
8	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	
Net Total Quantity		185.406 sqm
Say 185.406 sqm @ Rs 139.75 / sqm		Rs 25910.49
9	13.61.1 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	
Net Total Quantity		244.944 sqm
Say 244.944 sqm @ Rs 132.05 / sqm		Rs 32344.86
Provision for GST payments (in %) @		0.0%
Amount reserved for GST payments		0.00
Total		1011407.00
Lumpsum for round off		0.00
TOTAL Rs 1011407.00		
Rounded Total Rs 10,11,407		
Rupees Ten Lakh Eleven Thousand Four Hundred and Seven Only		

(Cost Index Applied for this estimate is 33.9%)

Note : Rate adopted are exclusive of Contractors Profit.



Other Engineering Organisations

PRICE

CONSTRUCTION OF CARE HOME AT KANNUR

Detailed Estimate

(Dsr year: **2018**, Cost Index Applied for this estimate is **33.9%**)

Sl No	Description	No	L	B	D	CF	Quantity	Remark	
1 Interior works									
1	od161297/2022_2023 Cement board partition (Modified 9.105.1) Providing and fixing partition up to ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with Zinc coating of 120 gms/ (both side inclusive), consisting of floor and ceiling channel 50 mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.68 mm overall thickness partition with 9 mm thick heavy duty fiber cement board								
Ground Floor									
	Block 1 -Bedroom	3	1.600		1.800		8.640		
		1	1.500		1.800		2.700		
	Living	4	1.100		2.100		9.241		
	Block 2 -Bedroom	3	1.600		1.800		8.640		
		1	1.500		1.800		2.700		
	Living	4	1.100		2.100		9.241		
First Floor									
	Block 1 -Bedroom	3	1.600		1.800		8.640		
		1	1.500		1.800		2.700		
	Living	4	1.100		2.100		9.241		
	Block 2 -Bedroom	3	1.600		1.800		8.640		
		1	1.500		1.800		2.700		
	Living	4	1.100		2.100		9.241		
	Block 3 -Bedroom	2	1.600		1.800		5.761		

	Living	2	1.100		2.100		4.621	
	Total Quantity						92.706 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						92.706 sqm	
	Say 92.706 sqm @ Rs 3011.38 / sqm						Rs 279172.99	
2	od161365/2022_2023 Flush Door : Providing and fixing 35 mm thick Masonite skin door shutters(Make:Fero/Equivalent) ,frame finished with imported seasoned southern yellow pinewood or finger jointed pinewood and core filled with solid particle board.Shutter to be finished with wooden texture primer suitable for staining or painting .Including cost and conveyance of all material and labour charges etc.							
	Ground Floor							
	Block 1	12	0.900		2.100		22.680	
	Block 2	12	0.900		2.100		22.680	
	First Floor							
	Block 1	12	0.900		2.100		22.680	
	Block 2	12	0.900		2.100		22.680	
	Block 3	6	0.900		2.100		11.340	
	Total Quantity						102.060 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						102.060 sqm	
	Say 102.060 sqm @ Rs 2800.52 / sqm						Rs 285821.07	
3	od161380/2022_2023 Providing and fixing stainless steel ball bearing butt hinges SS304,SSS,4"X3"X3MM (model no:926.32.160) (make:Hafele/Equivalent) with stainless steel screws etc. complete OD (9.70.1 modified)							
	Ground Floor							
	Block 1	48					48.000	
	Block 2	48					48.000	
	First Floor							
	Block 1	48					48.000	
	Block 2	48					48.000	
	Block 3	24					24.000	
	Total Quantity						216.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						216.000 no	
	Say 216.000 no @ Rs 517.88 / no						Rs 111862.08	

4	od161386/2022_2023 SS tower bolts: Providing and fixing bright finished SS tower bolts 6" (barrel type) (model no:911.81.576, make:Hafele/Equivalent)with necessary screws etc. complete: OD (9.74.3 modified)							
	Ground Floor							
	Block 1	24					24.000	
	Block 2	24					24.000	
	First Floor							
	Block 1	24					24.000	
	Block 2	24					24.000	
	Block 3	12					12.000	
	Total Quantity						108.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						108.000 no	
	Say 108.000 no @ Rs 656.41 / no						Rs 70892.28	
5	od161776/2022_2023 Providing and fixing mortice latch and lock with a pair of lever handles (Model :BM 06 175mm Door handles set lock body 2c ,make:Godrej/Equivalent)of approved quality with necessary screws etc. complete.(OD 9.76 Modified)							
	Ground Floor							
	Block 1	12					12.000	
	Block 2	12					12.000	
	First Floor							
	Block 1	12					12.000	
	Block 2	12					12.000	
	Block 3	6					6.000	
	Total Quantity						54.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						54.000 each	
	Say 54.000 each @ Rs 2281.67 / each						Rs 123210.18	
6	10.16.1 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.Hot finished welded type tubes							
	Ground Floor							
	Block 1 -Bedroom	3	1.600			3.0	14.401	

		1	1.500			3.0	4.500		
	Living	4	1.100			3.0	13.201		
	Block 2 -Bedroom	3	1.600			3.0	14.401		
		1	1.500			3.0	4.500		
	Living	4	1.100			3.0	13.201		
	First Floor								
	Block 1 -Bedroom	3	1.600			3.0	14.401		
		1	1.500			3.0	4.500		
	Living	4	1.100			3.0	13.201		
	Block 2 -Bedroom	3	1.600			3.0	14.401		
		1	1.500			3.0	4.500		
	Living	4	1.100			3.0	13.201		
	Block 3 -Bedroom	2	1.600			3.0	9.601		
	Living	2	1.100			3.0	6.601		
		20	2.100			3.0	126.000		
		20	1.800			3.0	108.000		
	Total Quantity						378.610 kg		
	Total Deducted Quantity						0.000 kg		
	Net Total Quantity						378.610 kg		
	Say 378.610 kg @ Rs 155.83 / kg						Rs 58998.80		
7	13.80 Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.								
	Ground Floor								
	Block 1 -Bedroom	6	1.600		1.800		17.280		
		2	1.500		1.800		5.400		
	Living	8	1.100		2.100		18.481		
	Block 2 -Bedroom	6	1.600		1.800		17.280		
		2	1.500		1.800		5.400		
	Living	8	1.100		2.100		18.481		
	First Floor								
	Block 1 -Bedroom	6	1.600		1.800		17.280		
		2	1.500		1.800		5.400		

	Living	8	1.100		2.100		18.481		
	Block 2 -Bedroom	6	1.600		1.800		17.280		
		2	1.500		1.800		5.400		
	Living	8	1.100		2.100		18.481		
	Block 3 -Bedroom	4	1.600		1.800		11.521		
	Living	4	1.100		2.100		9.241		
	Total Quantity						185.406 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						185.406 sqm		
	Say 185.406 sqm @ Rs 125.10 / sqm						Rs 23194.29		
8	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								
	Ground Floor								
	Block 1 -Bedroom	6	1.600		1.800		17.280		
		2	1.500		1.800		5.400		
	Living	8	1.100		2.100		18.481		
	Block 2 -Bedroom	6	1.600		1.800		17.280		
		2	1.500		1.800		5.400		
	Living	8	1.100		2.100		18.481		
	First Floor								
	Block 1 -Bedroom	6	1.600		1.800		17.280		
		2	1.500		1.800		5.400		
	Living	8	1.100		2.100		18.481		
	Block 2 -Bedroom	6	1.600		1.800		17.280		
		2	1.500		1.800		5.400		
	Living	8	1.100		2.100		18.481		
	Block 3 -Bedroom	4	1.600		1.800		11.521		
	Living	4	1.100		2.100		9.241		
	Total Quantity						185.406 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						185.406 sqm		
	Say 185.406 sqm @ Rs 139.75 / sqm						Rs 25910.49		

9	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work						
Ground Floor								
	Block 1	12	0.900		2.100	2.4	54.432	
	Block 2	12	0.900		2.100	2.4	54.432	
First Floor								
	Block 1	12	0.900		2.100	2.4	54.432	
	Block 2	12	0.900		2.100	2.4	54.432	
	Block 3	6	0.900		2.100	2.4	27.216	
Total Quantity							244.944 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							244.944 sqm	
Say 244.944 sqm @ Rs 132.05 / sqm							Rs 32344.86	
Provision for GST payments (in %) @							0.0%	
Amount reserved for GST payments							0.00	
Total							1011407.00	
Lumpsum for round off							0.00	
TOTAL Rs 1011407.00								
Rounded Total Rs 10,11,407								
Rupees Ten Lakh Eleven Thousand Four Hundred and Seven Only								

(Cost Index Applied for this estimate is 33.9%)

Note : Rate adopted are exclusive of Contractors Profit.

Data Analysis

Interior works

1 Specification Code: od161297/2022_2023

**od161297/2022_2023 :Cement board partition (Modified 9.105.1)
Providing and fixing partition up to ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with Zinc coating of 120 gms/ (both side inclusive), consisting of floor and ceiling channel 50 mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.68 mm overall thickness partition with 9 mm thick heavy duty fiber cement board**

Details of cost for 6.00x3.65 = 21.9 sqm

Code	Description	Unit	Quantity	Rate	Amount
0240	9 mm thick heavy duty fiber cement board	sqm	43.80000	625.00	27375.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm	metre	12.00000	57.00	684.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm	metre	40.15000	71.00	2850.65
7020	All drive screws (for gypsum board)	100 nos	392.00000	58.00	227.36
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	22.00000	11.00	242.00
7048	Rawl plug 50 mm (designation 10 nos)	each	18.00000	25.00	450.00
0869	Plaster or paris	kilogram	19.27000	5.00	96.35
0763	Glue	kilogram	4.82000	75.00	361.50
7018	Joint tape roll	roll	0.58400	100.00	58.40
7021	Primer (for gypsum board)	Litre	7.88000	85.00	669.80

1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 nos	44.00000	38.00	167.20
1211	G.I. Plain washer for seam bolts	100 nos	44.00000	32.00	14.08
9977	Carriage	L.S	52.00000	2.00	104.00
9999	Sundries	L.S	130.00000	2.00	260.00
0111	Carpenter 1st Class	Day	6.57000	738.00	4848.66
0112	Carpenter 2nd class	Day	2.84700	679.00	1933.11
0131	Painter	Day	1.09500	679.00	743.51
0114	Beldar	Day	7.66500	558.00	4277.07

TOTAL					45362.69
	cost for 21.9 sqm				45362.69
	cost for one sqm				2071.36
	say				2071.36

	Add Water Charges @ 1.0%				20.71
	Add CPOH @ 7.5%				156.90
	Cost index 33.9 %				762.40
	Total with Cost index				3011.38
	Say				3011.38

2 Specification Code: od161365/2022_2023

**od161365/2022_2023 :Flush Door :
Providing and fixing 35 mm thick Masonite skin door shutters(Make:Fero/Equivalent) ,frame finished with imported seasoned southern yellow pinewood or finger jointed pinewood and core filled with solid particle board.Shutter to be finished with wooden texture primer suitable for staining or painting .Including cost and conveyance of all material and labour charges etc.**
 Details of cost for 1.89sqm
 (Size-90X210 cm)

Code	Description	Unit	Quantity	Rate	Amount
------	-------------	------	----------	------	--------

MR	Door shutter	sqm	1.89000	2045.16	3865.35
0111	Carpender 1st Class	Day	1.00000	738.00	738.00
9999	Sundries	L.S	8.00000	2.00	16.00

TOTAL					4619.35
	cost for 1.89 sqm				4619.35
	cost for one sqm				2444.10
	say				2444.10

	Add Water Charges @ 1.0%				24.44
	Add CPOH @ 7.5%				185.14
	Cost index 33.9 %				146.83
	Total with Cost index				2800.52
	Say				2800.52

Other Engineering Organisations

3 Specification Code: od161380/2022_2023

PRICE

od161380/2022_2023 :Providing and fixing stainless steel ball bearing butt hinges SS304,SSS,4"X3"X3MM (model no:926.32.160) (make:Hafele/Equivalent) with stainless steel screws etc. complete OD (9.70.1 modified)

Details of 10 nos

Code	Description	Unit	Quantity	Rate	Amount
MR	S.S. butt hinges 4"x3"x3 mm with S.S screw	each	10.00000	456.80	4568.00
9977	Carriage	L.S	2.73000	2.00	5.46
0112	Carpenter 2nd class	Day	0.14000	679.00	95.06
0114	Beldar	Day	0.09000	558.00	50.22
TOTAL					4718.74
	cost for 10.0 no				4718.74

	cost for one no				471.87
	say				471.87

	Add Water Charges @ 1.0%				4.71
	Add CPOH @ 7.5%				35.74
	Cost index 33.9 %				5.54
	Total with Cost index				517.88
	Say				517.88

4 Specification Code: od161386/2022_2023

od161386/2022_2023 :SS tower bolts: Providing and fixing bright finished SS tower bolts 6" (barrel type) (model no:911.81.576, make:Hafele/Equivalent)with necessary screws etc. complete: OD (9.74.3 modified)

Code	Description	Unit	Quantity	Rate	Amount
MR	Seamless Tower Bolt 152 mm x 10mm Rod 6" SS 304 SSM	each	10.00000	573.60	5736.00
8212	Stainless steel screws 30 mm	100 nos	80.00000	190.00	152.00
9977	Carriage	L.S	2.73000	2.00	5.46
0111	Carpender Ist Class	Day	0.10000	738.00	73.80
TOTAL					5967.26
	cost for 10.0 no				5967.26
	cost for one no				596.73
	say				596.73

	Add Water Charges @ 1.0%				5.96
	Add CPOH @ 7.5%				45.20

	Cost index 33.9 %				8.51
	Total with Cost index				656.41
	Say				656.41

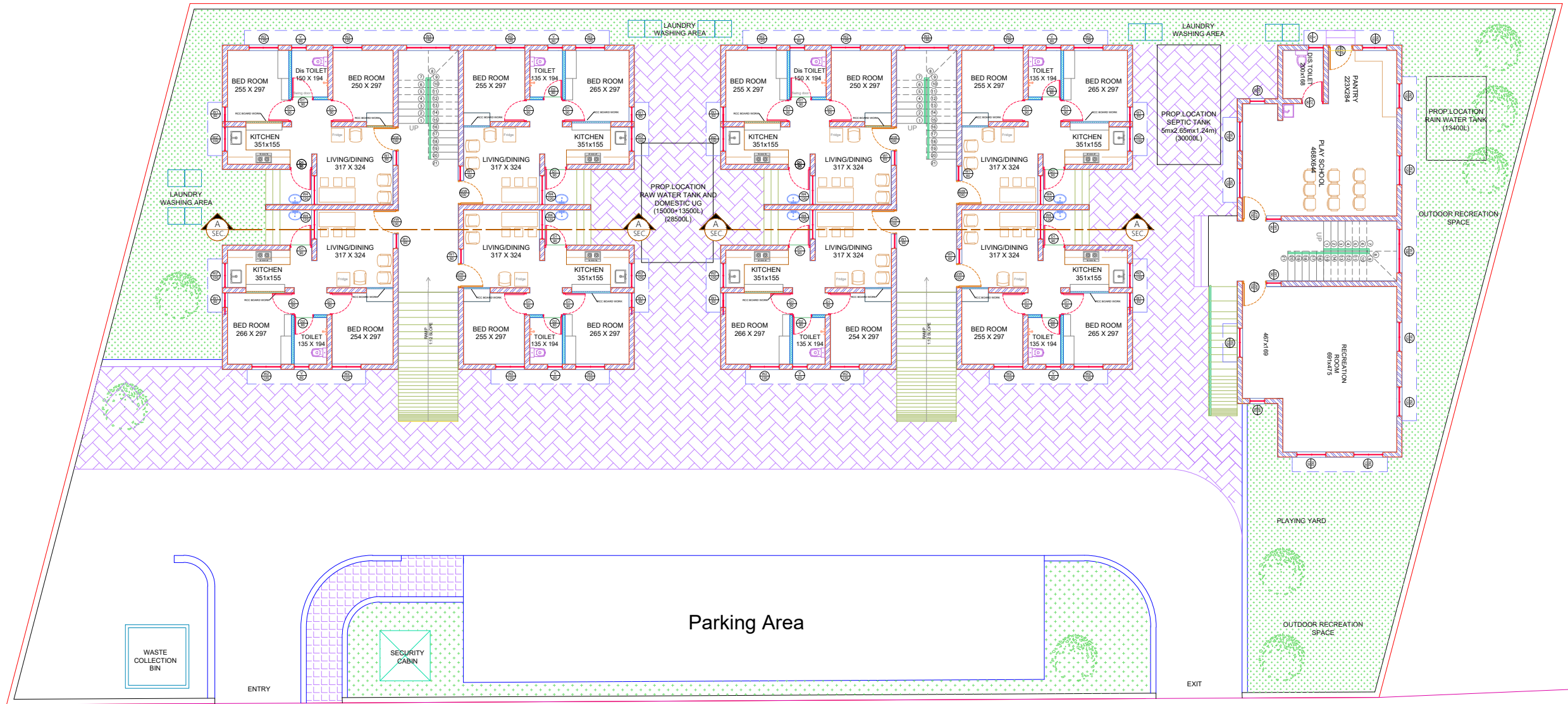
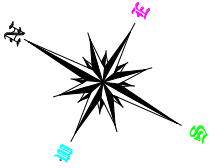
5 Specification Code: od161776/2022_2023

od161776/2022_2023 :Providing and fixing mortice latch and lock with a pair of lever handles (Model :BM 06 175mm Door handles set lock body 2c ,make:Godrej/Equivalent)of approved quality with necessary screws etc. complete.(OD 9.76 Modified)

Details of cost for 1 nos.

Code	Description	Unit	Quantity	Rate	Amount
MR	BM 06 175mm Door handles set lock body 2c	each	1.00000	1923.73	1923.73
0111	Carpender Ist Class	Day	0.17000	738.00	125.46
9999	Sundries	L.S	3.64000	2.00	7.28
TOTAL					2056.47
Other Engineering Organisations cost for one each					2056.47
	say				2056.47

	Add Water Charges @ 1.0%				20.56
	Add CPOH @ 7.5%				155.77
	Cost index 33.9 %				48.85
	Total with Cost index				2281.67
	Say				2281.67

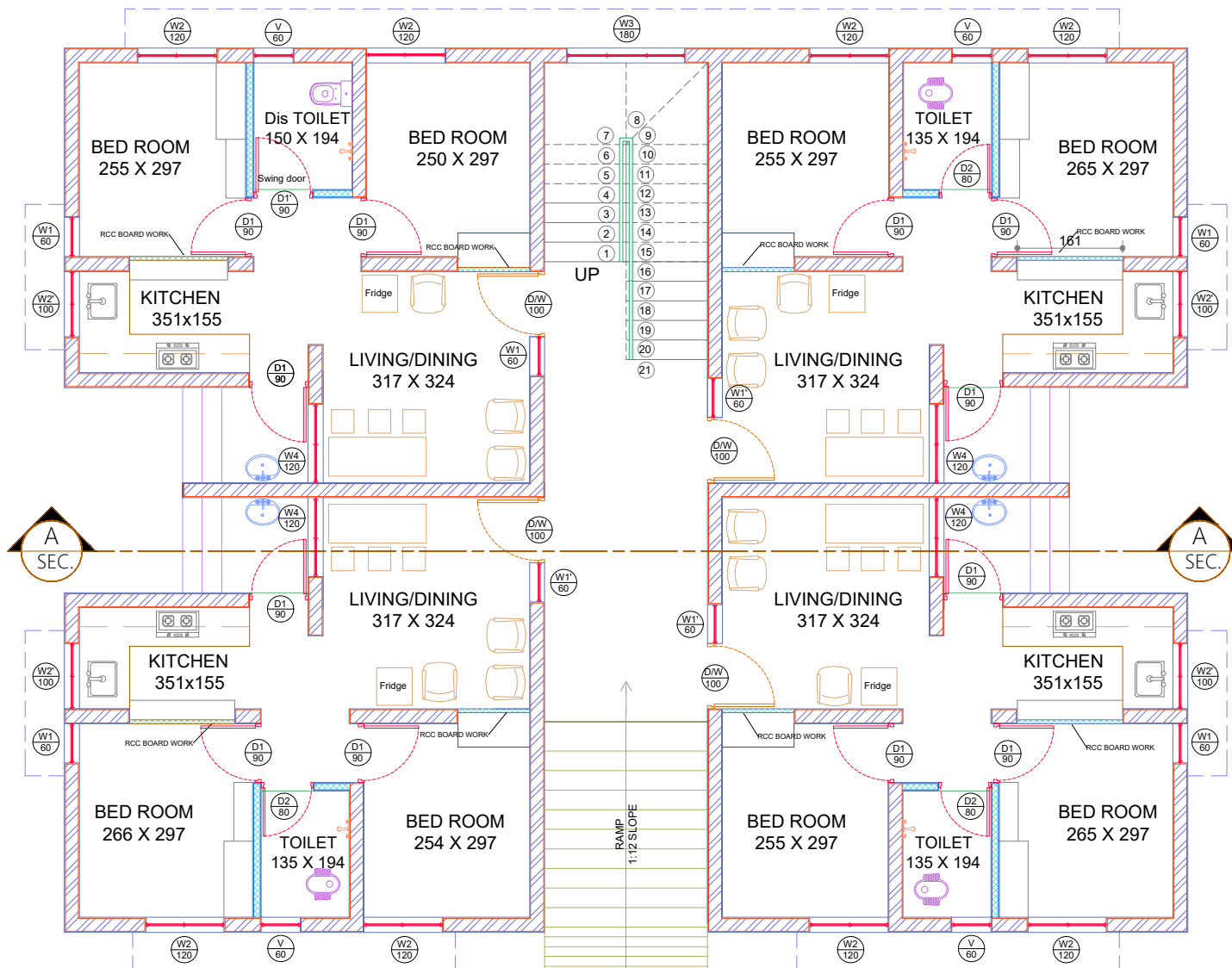


Parking Area

KURUMATHUR POKKUND ROAD

SITE AREA:41.3 CENTS

SITE PLAN

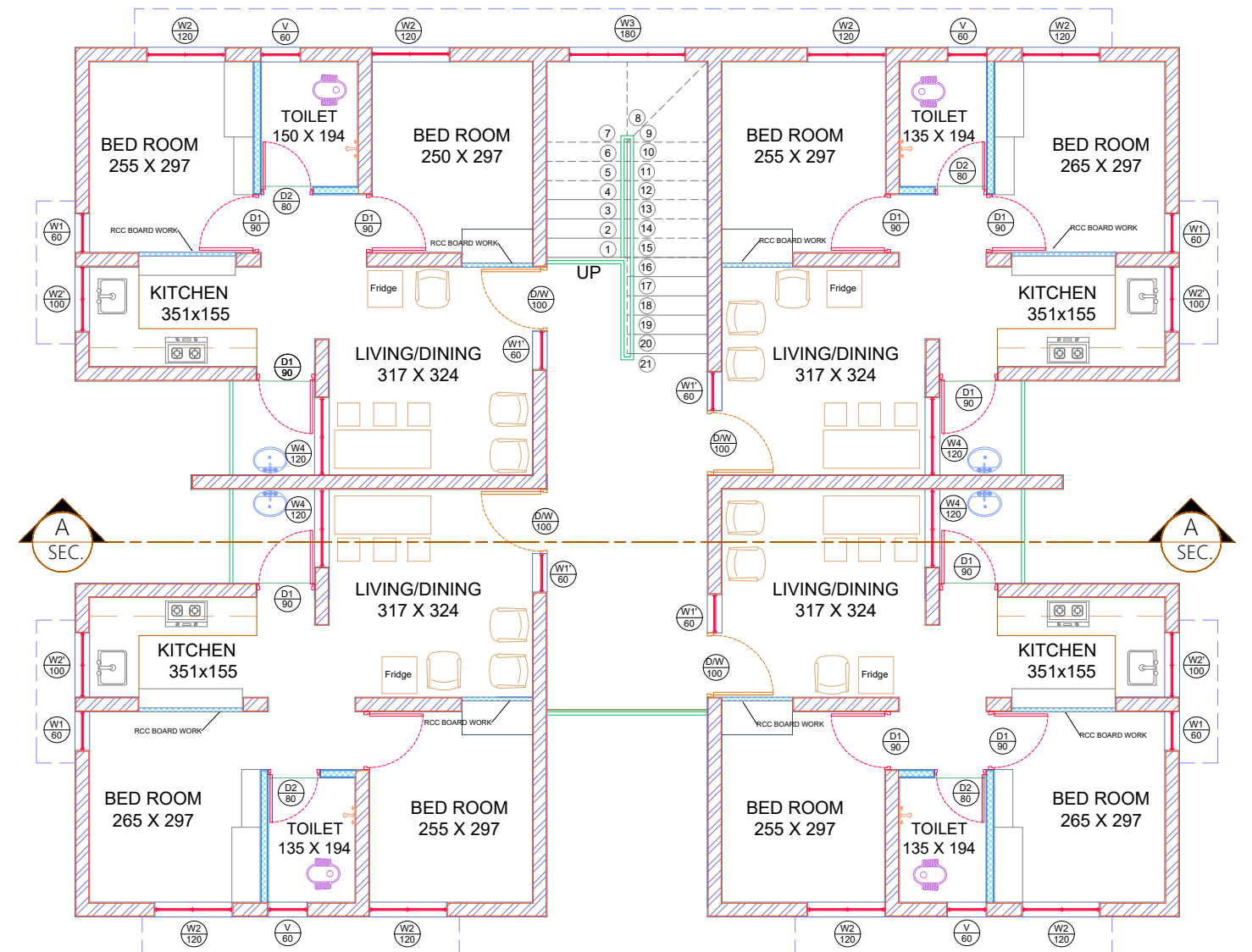


GROUND FLOOR PLAN

GROUND FLOOR AREA:210.7 sqm

SINGLE DWELLING AREA:46.2 sqm (497.1 sq.ft)

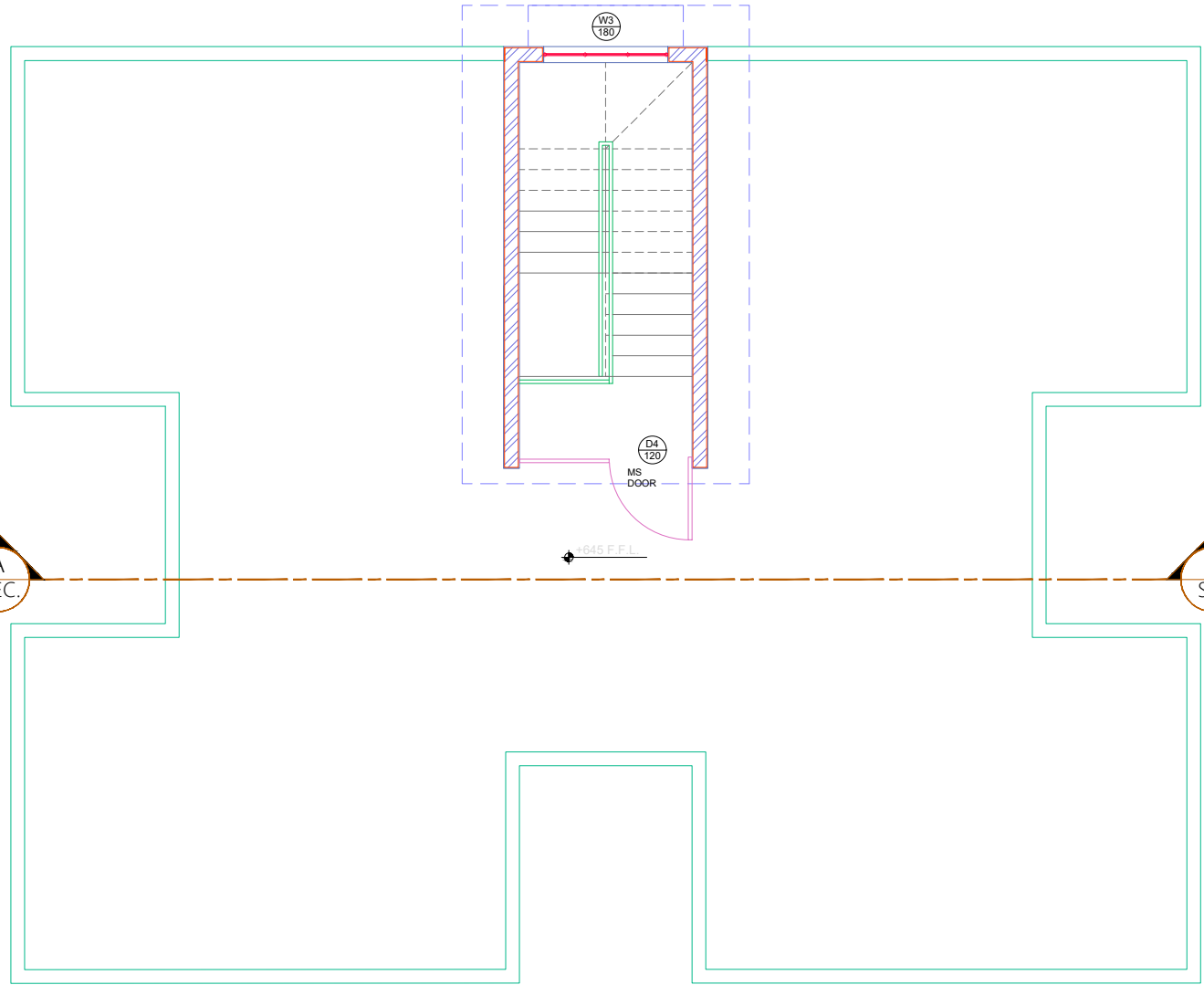
SL/NO	LEGENT	SIZE	TYPE
1	D/W	100X210	WOODEN DOOR
2	D1	90X210	MOULDED PANEL DOOR
3	D1'	90X210	SWING DOOR
4	D2	80X210	PVC DOOR
5	W1'	60X150	WOODEN WINDOW
6	W1	60X150	ALUMINIUM WINDOW
7	W2	120X150	ALUMINIUM WINDOW
8	W2'	100X110	ALUMINIUM WINDOW
9	W4	120X100	ALUMINIUM WINDOW
10	W3	180X150	ALUMINIUM WINDOW
11	V	60X60	ALUMINIUM VENTILATOR



FIRST FLOOR PLAN

FIRST FLOOR AREA:210.7 sqm

SL/NO	LEGENT	SIZE	TYPE
1	D/W	100X210	WOODEN DOOR
2	D1	90X210	MOULDED PANEL DOOR
3	D1'	90X210	SWING DOOR
4	D2	80X210	PVC DOOR
5	W1'	60X150	WOODEN WINDOW
6	W1	60X150	ALUMINIUM WINDOW
7	W2	120X150	ALUMINIUM WINDOW
8	W2'	100X110	ALUMINIUM WINDOW
9	W4	120X100	ALUMINIUM WINDOW
10	W3	180X150	ALUMINIUM WINDOW
11	V	60X60	ALUMINIUM VENTILATOR

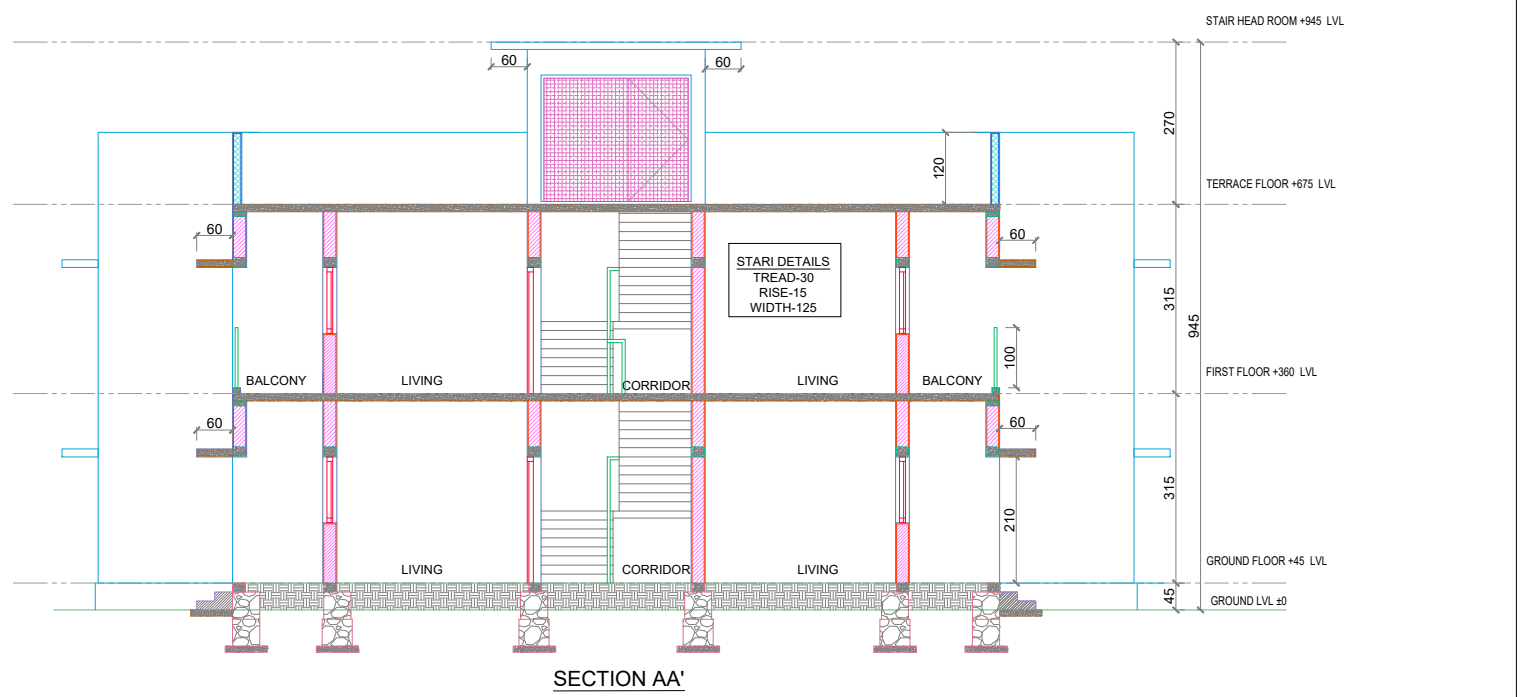


TERRACE FLOOR PLAN

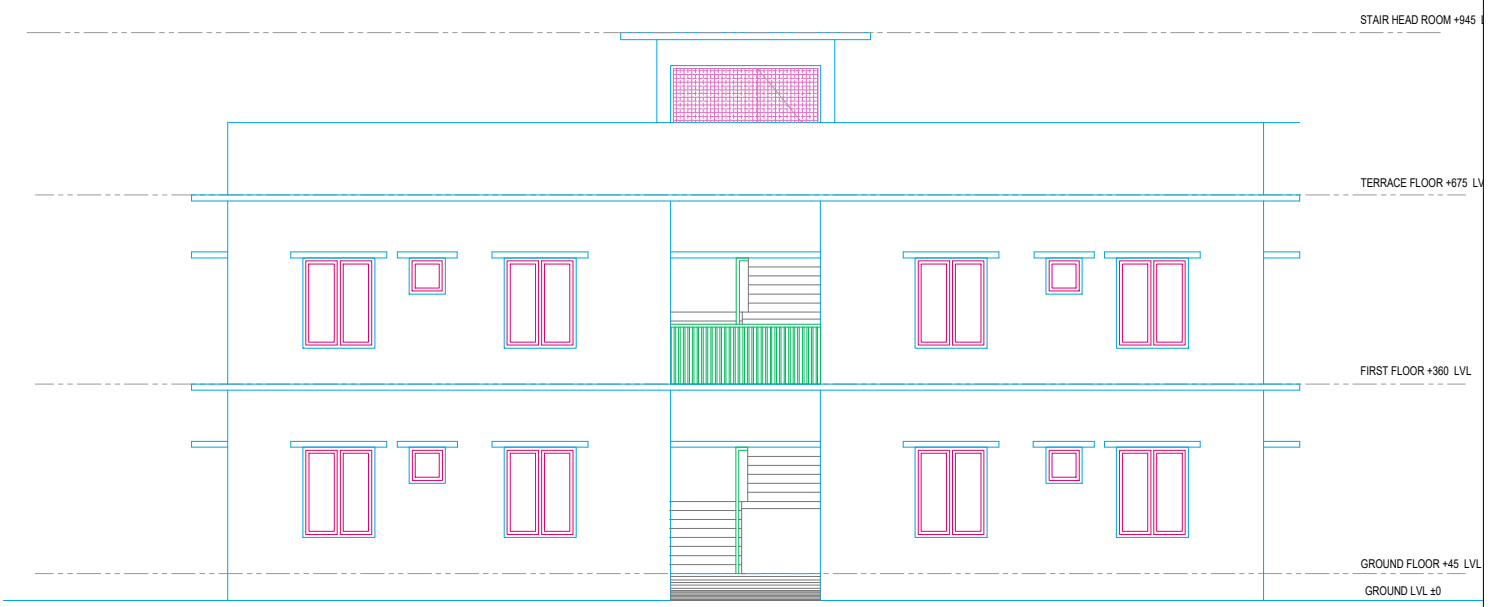
TERRACE FLOOR AREA:18.3 sqm

TOTAL FLOOR AREA:439.7 sqm

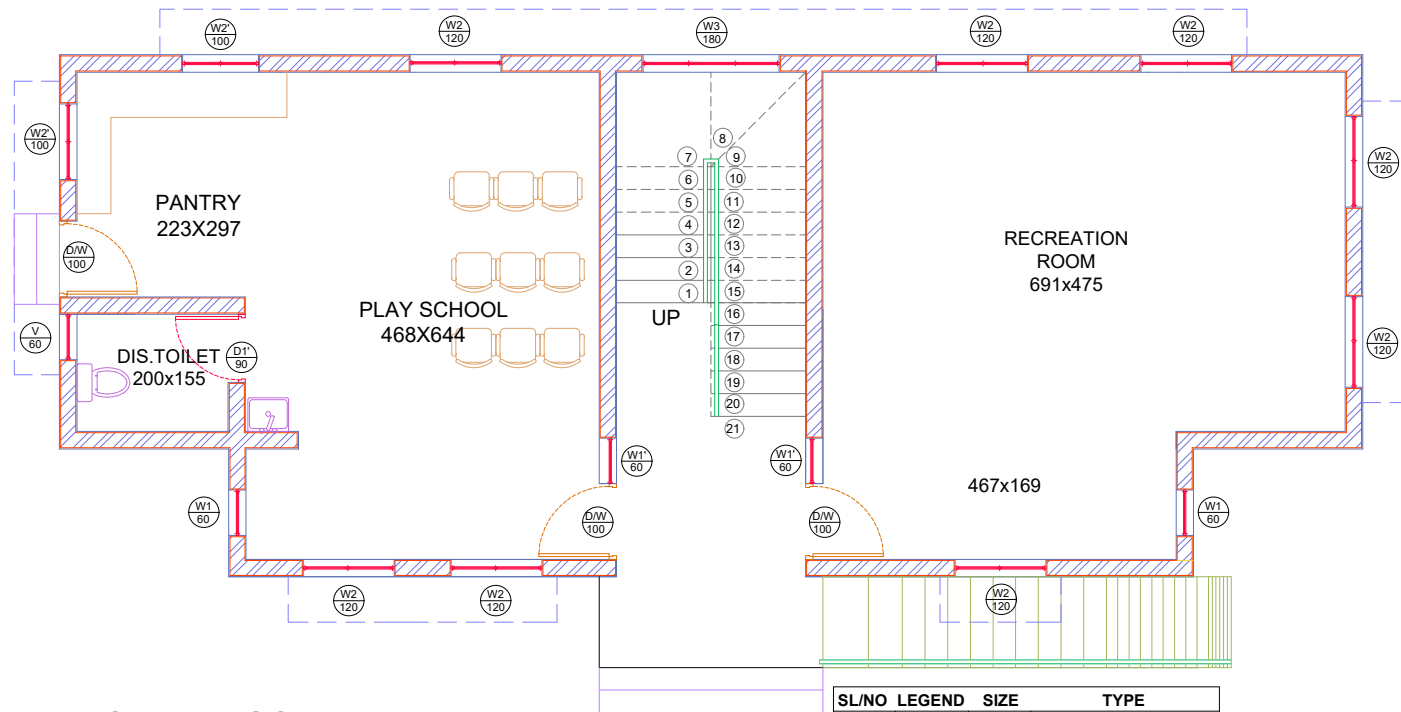
SL/NO	LEGEND	SIZE	TYPE
1	D4	120X210	MS DOOR
2	W3	180X150	ALUMINIUM WINDOW



SECTION AA'



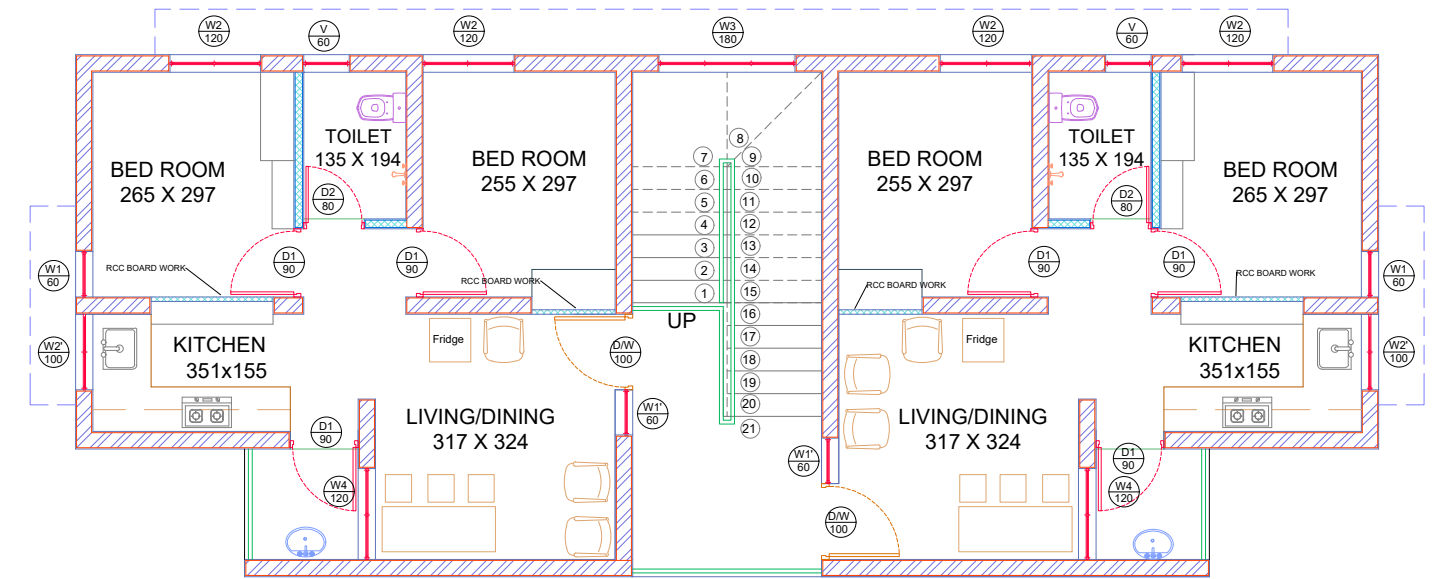
FRONT ELEVATION



GROUND FLOOR PLAN

GROUND FLOOR AREA : 114.4 sqm

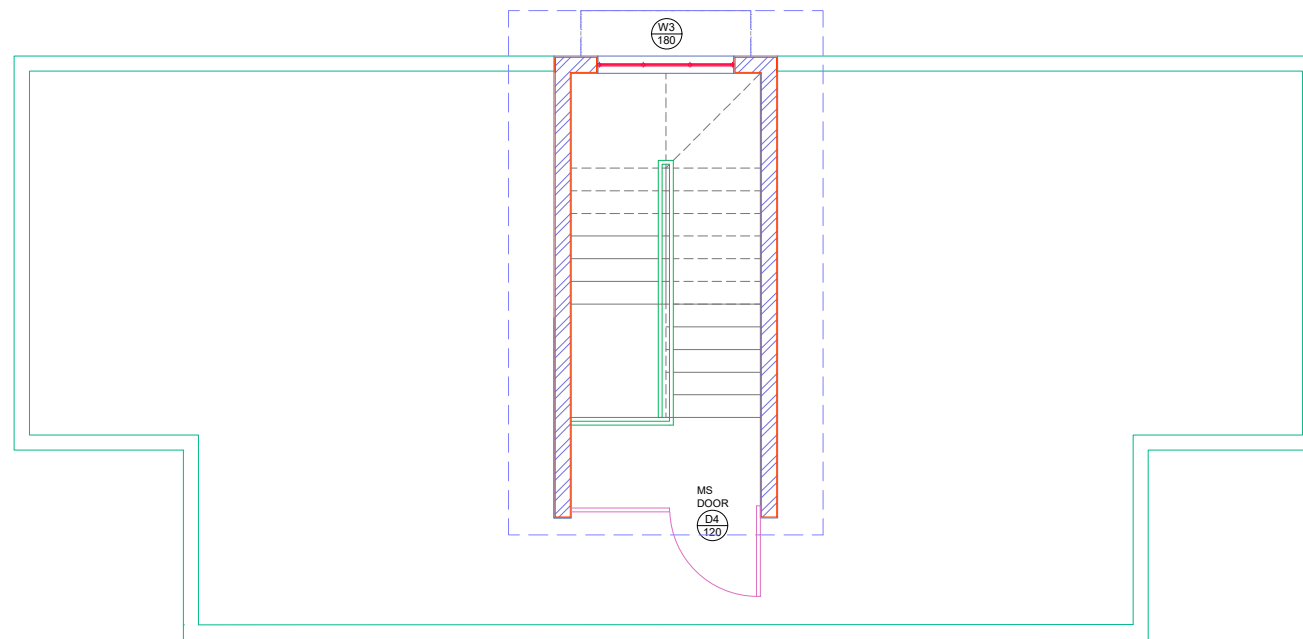
SL/NO	LEGEND	SIZE	TYPE
1	D/W	100X210	WOODEN DOOR
2	D1*	90X210	SWING DOOR
3	W1*	60X150	WOODEN WINDOW
4	W1	60X150	ALUMINIUM WINDOW
5	W2	120X150	ALUMINIUM WINDOW
6	W3	180X150	ALUMINIUM WINDOW
7	V	60X60	ALUMINIUM VENTILATOR



FIRST FLOOR PLAN

FIRST FLOOR AREA : 111.39 sqm

SL/NO	LEGEND	SIZE	TYPE
1	D/W	100X210	WOODEN DOOR
2	D1	90X210	WOODEN DOOR
3	D2	80X210	PVC DOOR
4	W1*	60X150	WOODEN WINDOW
5	W1	60X150	ALUMINIUM WINDOW
6	W2	120X150	ALUMINIUM WINDOW
7	W3	180X150	ALUMINIUM WINDOW
8	V	60X60	ALUMINIUM VENTILATOR



TERRACE FLOOR PLAN

TERRACE FLOOR AREA:18.3 sqm

TOTAL FLOOR AREA:244.09 sqm

SL/NO	LEGEND	SIZE	TYPE
1	D4	120X210	MS DOOR
2	W3	180X150	ALUMINIUM WINDOW