

OIL INDIA LIMITED
(A Government of India Enterprise)
CONTRACTS DEPARTMENT
P.O.: Duliajan- 786602, Assam

CORRIGENDUM-1 DATED: 26.08.2026 TO TENDER NO.: CDC2497P27

This Corrigendum is issued to all concerned bidders of the aforesaid tenders to notify the following:

- i) The nomenclature of **Group A - Section C** in the Schedule of Quantities (SOQ) stands corrected from "**TELEPHONE WIRING & FIRE FIGHTING**" to "**ELECTRICAL & HVAC WORKS**"
- ii) A revised/fresh SOQ shall be published accordingly

All others terms and conditions of the Bid Document remain unchanged. Details can be viewed at www.oil-india.com.

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CIVIL ENGINEER-CONTRACTS

WORKS CONTRACT**SCHEDULE OF WORK, UNIT AND QUANTITY**

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
GROUP A: MAIN OFFICE BUILDING (G+03)					
SECTION A:CIVIL WORKS EXCLUDING PLUMBING					
10	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	M3	99.86	2194.84	219176.72
20	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50metres lead as per direction of Engineer-in-charge. : In cement mortar	M3	49.93	1272.27	63524.44
30	Dismantling wood work in frames, trusses, purlins and rafters up to 10metres span and 5 metres height including stacking the material within50 metres lead : Of sectional area 40 square centimetres and above	M3	24.97	2836.84	70835.89
40	Dismantling roofing including ridges, hips, valleys and gutters etc. and stacking the material within 50 metres lead of : G.S. Sheet	M2	665.76	104.11	69312.27
50	Dismantling roofing including ridges, hips, valleys and gutters etc.and stacking the material within 50 metres lead of : Asbestos Cement sheet	M2	50.00	48.80	2440.00
60	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in : Channels, angles, tees and flats	KG	2436.00	1.47	3580.92
70	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	KG	50.00	3.61	180.50
80	Dismantling expanded metal or I.R.C. fabrics with necessary battens and beading including stacking the serviceable material within 50 metres lead.	M2	68.04	47.39	3224.42
90	Dismantling cement asbestos or other hard board ceiling or partition walls	M2	199.73	35.88	7166.31

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.				
100	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge : 15 mm to 40 mm nominal bore	M	60.00	94.71	5682.60
110	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer- in-charge.	M2	30.00	35.89	1076.70
120	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting,unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	M3	112.00	215.52	24138.24
130	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	EA	89.00	233.27	20761.03
140	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps : 100 mm diameter	M	60.00	54.89	3293.40
150	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15cm deep and disposal of rubbish, lead up to 50m and lift up to 1.5m All kinds of soil	M2	1500.00	21.05	31575.00
160	Clearing jungle including uprooting of rank vegetation, grass, brushwood, trees and saplings of girth up to 30 cm measured at a height of 1m above ground level and removal of rubbish	M2	1500.00	10.85	16275.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	up to a distance of 50m outside the periphery of the area cleared.				
170	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 30 cm girth upto and including 60cm girth	EA	21.00	330.10	6932.10
180	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 60 cm girth upto and including 120cm girth	EA	2.00	1467.42	2934.84
190	Hydraulic Excavator (3D) with driver and fuel	DAY	8.00	7850.00	62800.00
200	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge. All kinds of soil	M3	2405.62	142.91	343787.15
210	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	M3	1683.94	121.88	205238.61
220	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	M3	805.93	1901.70	1532637.08
230	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks : 1:6 (1 cement : 6 coarse sand)	M2	936.27	1361.31	1274553.71
240	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources	M3	141.10	7080.55	999065.61

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	: 6 graded stone aggregate 20 mm nominal size derived from natural sources)				
250	Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources).	M2	129.68	444.67	57664.81
260	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturers specification. (Unit: per bag of 50kg cement used)	BAG	42.67	14.82	632.37
270	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland / Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.: in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works upto plinth level : Concrete of M25 grade with minimum cement content of 330 kg /cum	M3	762.64	8629.68	6581339.16
280	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland / Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to	M3	1040.83	8920.06	9284266.05

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.: in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works above plinth level upto floor V level : Concrete of M25 grade with minimum cement content of 330 kg /cum				
290	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete	M2	899.07	278.69	250561.82
300	Centering and shuttering including strutting, propping etc. and removal of form for : Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	M2	453.00	572.77	259464.81
310	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers	M2	2887.79	509.09	1470145.01
320	Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts	M2	1767.16	661.99	1169842.25
330	Centering and shuttering including strutting, propping etc. and removal of form for : Stairs, (excluding landings) except spiral-staircases	M2	587.88	532.01	312758.04
340	Centering and shuttering including strutting, propping etc. and removal of form for Edges of slabs and breaks in floors and walls : Under 20 cm wide	M	499.20	148.40	74081.28
350	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm	M2	3375.64	711.33	2401194.00

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	thick				
360	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in : Cement mortar 1:4 (1cement : 4 coarse sand)	M3	64.24	11142.95	715823.11
370	Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry with 150 mm to 300 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).	M3	583.67	6163.33	3597350.82
380	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	M2	11084.99	241.41	2676027.44
390	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1cement : 3 coarse sand), finished with a floating coat of neat cement. :18 mm thick	M2	162.12	458.65	74356.34
400	Providing and laying Vitrified tiles in floor in different sizes(thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry@3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. : Glazed vitrified floor tiles polished finish : Size of Tile 600 x 1200 mm.	M2	1545.10	1403.03	2167821.65
410	Providing and laying Vitrified tiles in floor in different sizes(thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved	M2	816.80	1121.23	915820.66

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry@3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. : Double charge vitrified tile polished finish : Size of Tile 600 x 600 mm.				
420	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge : Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	M2	950.45	2457.17	2335417.23
430	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. : Granite work	M	282.00	343.99	97005.18
440	Extra for fixing marble /granite stone, over and above corresponding basic item, in fascia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	M	32.64	395.89	12921.85
450	Extra for providing opening of required size & shape for wash basin/kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and	EA	8.00	661.51	5292.08

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	polishing of cut edges etc. complete.				
460	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/ Chowkhatcomprising of virgin PVC polymer of K value 58-60 (Suspension Grade),calcium carbonate and natural fibers (wood powder/ rice husk/ wheathusk) and non toxic additives (maximum toxicity index of 12 for 100 gms)fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face)& 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S holdfast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately). dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plusside shall be acceptable but no extra payment on this account shall be made. : Frame size 65 x 125 mm	M	578.91	1101.79	637837.25
470	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade),calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk)and non toxic additives (maximum toxicity index of 12 for 100 gms)having minimum density of 650 kg/cum and screw withdrawal strength of1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2,modulus of elasticity 850 N/mm2 and resistance to spread of	M2	257.28	4392.20	1130025.22

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	flame of Class A category with property of being termite/borer proof,water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge.(Note: stainless steel butt hinges and necessary S.S screws shall be paid separately) : 35 mm thick				
480	Providing and fixing fire resistant door frame of section 143 x 57 mm having built in rebate made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm) duly filled with vermiculite based concrete mix,suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10x4 mm (minimum)around the frame and fixing with dash fastener of approved size and make, including applying a coat of approved brand fire resistant primer etc. complete as per direction of Engineer-in-charge (Dash fastener to be paid for separately).	M	18.90	1395.52	26375.33
490	Providing and fixing 50 mm thick glazed fire resistant door shutters of 60 minutes fire rating conforming to IS:3614 (Part-II), tested and certified as per laboratory approved by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, lockrail, top rail 100 mm wide, bottom rail 200 mm wide, made out of 16 SWG G.I.sheet (zinc coating not less than 120 gm/sqm) duly filled FR insulation material and fixing with necessary stainless steel ball bearing hinges of approved make, including applying a coat of approved fire resistant primer etc. all complete as per direction of Engineer-in-charge (panelling to be paid for separately).	M2	9.18	6150.41	56460.76
500	CONSTRUCTION OF 150MM (CONSOLIDATED) GRANULAR SUB-	M2	587.17	125.06	73431.48

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	BASE consolidated by dry rolling to proper grade including providing well compacted berms with earth on either side 1.2m wide levelled with finished road surface, dressing sub-grade including cutting surface upto 75mm deep to required level and as per clause 401. (Road roller supplied by contractor).				
510	CONSTRUCTION OF WATER BOUND MACADAM base course 100mm thick (Wearing course) and Surfacing Course (sealing coat) with loose hand broken metal of size 63mm and graded down to 45mm rolled dry to proper compaction, grade and camber and wet rolling after placing bindage of loamy earth and finally sealing the compacted surface with a 25mm thick layer of sand shingles (Ref. to MoRTH Spec. 404) and as directed as applied over new consolidated surface. (Road roller supplied by contractor).	M2	587.17	151.97	89232.22
520	Supply of approved quality granular materials from approved quarry, free from organic matter including stacking in measurable stacks as directed.	M3	102.75	1471.43	151189.43
530	Supply of Hand broken hard stone metal from river boulder fairly cubical in shape, free from dust/dirt disintegrated pieces, organic and other foreign matters (63mm to 45mm graded)	M3	73.40	2433.93	178650.46
540	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of sand, compacting and proper embedding/laying of interlocking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. : 80 mm thick C.C. paver block of M-	M2	587.17	857.94	503756.63

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	35grade with approved colour design and pattern.				
550	Providing and fixing of façade at all heights with extruded hollow Clay/ Terracotta ventilated rainscreen tiles of height 259/ 309/ 409 mm and length of 1190 mm of approved texture,design and pattern having Flexural Strength/ Modulus of Rupture of # 14 N/m ² and maximum water absorption of 10% tested as per ISO 10545-4:2004(E) and ISO 10545-3:1995respectively in true level fixed to a supporting aluminium framework(Alloy 6063 T5/T6) consisting of vertical 'T' (for intermediates)/ 'L'(for ends/ termination)/ Tubular sections (at corners)of size 80x60x2mm/ 40x60x2 mm/ 40x40x2 mm respectively, spaced at maximum spacing of 1200 mm c/c matching to the tile vertical grid, and horizontal aluminium 'C'-clamps of size 56x34x2 mm thickness of length 150 mm at junction of tiles and of length 75 mm at wall ends/ corners fixed on top of the vertical sections at spacing of 250/ 300/ 400 mm c/c matching to the tile horizontal grid with two numbers of self-drilling / self-tapping SS screws of size 5.5x25 mm with EPDM washers. The vertical 'T'/'L'/Tubular' sections shall be fixed to the wall using HDG(hot-dip-galvanized) steel L-brackets (galvanizing thickness of minimum 80 microns) of size 110x80x6 mm at intermediate vertical aluminium profiles and of size 220x110x12 mm at outer corners and stainless steel grade 304,M10 full threaded anchor fasteners with nylon sleeve 100 mm long (for brick work) and M8 expans	M2	44.43	4560.99	202644.79
560	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles	M2	22.19	7861.18	174439.58

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design ap				
570	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve	M2	138.06	8073.26	1114594.28

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	for fixing frame to finished wall as per IS 1367 : Part1 to 14, plastic packers, plastic caps and necessary stainless steelscrews etc. Profile of frame, sash & mullion (if required) shall be milled cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design ap				
580	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part1 to 14, plastic packers, plastic caps and necessary stainless steelscrews etc. Profile of frame, sash & mullion (if required) shall be milled cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon	M2	247.61	5330.38	1319855.39

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	sealant overbacker rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design ap				
590	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant overbacker rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design ap	M2	13.50	10778.00	145503.00
600	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever	M2	18.36	10202.29	187314.04

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design ap				
610	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension,	M2	11.48	9718.73	111571.02

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design ap				
620	Float glass panes of nominal thickness 5 mm (weight not less than 12.50kg/sqm)	M2	173.75	529.00	91913.75
630	Toughened glass 12 mm thickness	M2	307.70	1925.00	592322.50
640	Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595 mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance # 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 & 7) in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @ 120 gsm) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32 mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised @ 80gsm) 50 mm long 8 mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm,	M2	693.80	2095.06	1453552.63

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls/partitions with the help of GI perimeter wall angle of size 24x24x3000mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S.screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be pre-painted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per				
650	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all	M2	811.56	1603.21	1301101.11

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	T-sections shall be pre-painted with polyester paint, all complete for all heights as per specification				
660	Providing and fixing 8mm thick PVC Panel ceiling of 10" x 12'0" size as per area requirement including providing and fixing of frame work made of GI Sections with thickness 0.3mm, weight 0.8 kg and length 12'0". Perimeter, Angle and Inter will be as per section weight. Sections are placed at a distance of 18" from one another. All support is taken from the ceiling and fixation is done with 1" Star Screw and PVC Gutka. Finishing height of the ceiling will be 4" below beam level. PVC profiles will be used for corner and joints between the panels. PVC Profiles will be fixed using 1" screws in the wall and on the sections and for joints Flexwik glue will be used.	M2	42.56	1627.23	69254.91
670	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings, the aluminium quality as per grade 6063 T5 or T6 as per BS 1474, including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account). The weight of aluminium extruded section shall be taken for purpose of payment.	KG	3826.35	338.24	1294224.62
680	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including: (a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must pass the proof test at 1.5 times design wind pressure	M2	442.28	2866.10	1267618.71

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)- cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including: (b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/ structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon separator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required				
690	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6 mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12 mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in	M2	442.28	3036.09	1342801.89

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	the curtailglazing is included in cost of item No.25.2) For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (i) Coloured tinted float glass 6 mm thick substrate with reflective soft coating on face # 2, + 12 mm Airgap+ 6 mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.				
700	Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardware for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer- in-Charge.	M2	132.69	2997.55	397744.91
710	Providing and supplying Spandrel Glass Panels comprising of 6 mm thick heat strengthened monolithic float glass of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade so as to match the colour and shade of the IGUs in the vision panels etc. ,all complete for the required performances as specified, as per the Architectural drawings, as per the approved shop drawings, as specified, and as directed by the Engineer- in- Charge. For payment, only the actual area of glass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (Payment for fixing	M2	132.69	2000.41	265434.40

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	ofSpandrel Glass Panels in the curtain glazing is included in cost ofrelevant Item*)."(i) Coloured tinted float glass 6 mm thick substratewith reflective soft coating on face # 2, having properties as visibleLight transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to15%, light reflection external 10 to 20 %, shading coefficient (0.25-0.28) and U value of 3.0 to 3.3 W/m2 K etc. . The properties ofperformance glass shall be decided by technical sanctioning authority asper the site requirement.				
720	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.	KG	205345.15	84.81	17415322.17
730	Providing and fixing M.S. grills of required pattern in frames ofwindows etc. with M.S. flats, square or round bars etc. includingpriming coat with approved steel primer all complete. : Fixed tooopenings /wooden frames with rawl plugs screws etc.	KG	5653.35	175.60	992728.26
740	Providing and fixing in position collapsible steel shutters withvertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mmsize, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	M2	17.53	8150.07	142870.73
750	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. : Hot finished seamless type tubes	KG	382.24	155.80	59552.99
760	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with	KG	1177.96	603.75	711193.35

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners ,stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).				
770	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	M2	11084.99	111.94	1240853.78
780	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	M2	2331.01	112.32	261819.04
790	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/litre of approved brand and manufacture, including applying additionalcoats wherever required to achieve even shade and colour. : Two coats	M2	8753.98	94.90	830752.70
800	Applying priming coats with primer of approved brand and manufacture,having low VOC (Volatile Organic Compound) content. : With waterthinnable cement primer on wall surface having VOC content less than 50grams/litre	M2	11084.99	48.49	537511.17
810	Finishing with Deluxe Multi surface paint system for interiors andexteriors using Primer as per manufacturers specifications : Paintingwood work with Deluxe Multi Surface Paint of required shade. Two or morecoat applied @ 0.90 ltr/10 sqm over an under coat of primer applied@0.75 ltr/10 sqm of approved brand and manufacture	M2	252.92	125.10	31640.29
820	Finishing with Deluxe Multi surface paint system for interiors andexteriors	M2	161.38	120.57	19457.59

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	using Primer as per manufacturers specifications : PaintingSteel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied@ 0.80 ltr/10 sqm of approved brand and manufacture				
830	Providing and fixing bright finished brass butt hinges with necessary screws etc. complete : 125x85x5.5 mm (heavy type)	EA	288.00	215.37	62026.56
840	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete : 250x10 mm	EA	192.00	359.19	68964.48
850	Providing and fixing bright finished brass 100 mm mortice latch with one dead bolt and a pair of lever handles of approved quality with necessary screws etc. complete.	EA	91.00	570.33	51900.03
860	Providing and fixing bright finished brass handles with screws etc. complete : 125 mm	EA	184.00	208.73	38406.32
870	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	EA	96.00	899.08	86311.68
880	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete: 300x16 mm	EA	91.00	240.86	21918.26
890	Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	FSM	7.00	3030.00	21210.00
900	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine	M2	131.04	628.40	82345.54

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	sand, including necessary excavation,levelling & dressing & finishing the top smooth.				
910	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/Lindane emulsifiable concentrate of 20%	L	73.38	191.84	14077.22
920	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion): Along the external wall below concrete or masonry apron using chemical emulsion @2.25 litres per linear metre including drilling and plugging holes etc.: With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	M	124.80	35.29	4404.19
930	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 @ 0.253kg/ 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.	M2	176.59	424.62	74983.65
940	Water proofing treatment of RCC sunshade with Zycosil/equivalent waterproofing Solution (1 litre of Zycosil/equivalent & 20 litres of water stirred first & 2 litres of Zyco prime/equivalent added and stirred(total 23 litres)) till it meets the saturation level and testing as per RILEM or by water drops test in which water drops do not absorb but drops remain or rolls.	M2	1037.20	99.33	103025.08
950	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1	M2	1037.20	854.67	886463.72

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75 mm size cube crushing strength at the end of 28days to be not less than 30 N/Sqmm2).: 50 mm average thickness in 3layers.				
960	Grading roof for water proofing treatment with: Cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)	M3	51.86	7630.08	395695.95
970	Grading roof for water proofing treatment with: Cement mortar 1:3 (1cement: 3 coarse sand)	M3	41.49	11588.93	480824.71
980	Providing and applying fibre reinforced elastomeric liquid waterproofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats@10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer- in-Charge.	M2	1037.20	432.82	448920.90
990	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as	M2	1960.92	239.59	469816.82

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	approved and removing it there after. The scaffolding system shall bestiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. deduction for scaffolding in the existing item to be done.				
SECTION B:WATER SUPPLY, SANITARY & SEPTIC TANK					
10	Providing and fixing white vitreous china extended wall mounting watercloset of size 780x370x690 mm of approved shape including providing &fixing white vitreous china cistern with dual flush fitting, of flushingcapacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), includingseat cover, and cistern fittings, nuts, bolts and gasket etc complete.	EA	18.00	11767.41	211813.38
20	Providing and fixing water closet squatting pan (Indian type W.C. pan)with 100 mm sand cast Iron P or S trap, 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 fixturescomplete, including cutting and making good the walls and floorswherever required : White Vitreous china Orissa pattern W.C. pan of size580x440 mm with integral type foot rests	EA	7.00	5080.32	35562.24
30	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brasspillar taps, 32 mm C.P. brass waste of standard pattern, includingpainting of fittings and brackets, cutting and making good the wallswherever require : White Vitreous China Wash basin size 630x450 mm witha pair of 15 mm C.P. brass pillar taps	EA	22.00	2162.64	47578.08
40	Providing and fixing white vitreous china pedestal for wash	EA	22.00	1374.35	30235.70

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	basincompletely recessed at the back for the reception of pipes and fittings.				
50	Providing and fixing white vitreous china battery based infrared sensoroperated urinal of approx. size 610 x 390 x 370 mm having pre & postflushing with water (250 ml & 500 ml consumption), having water inletfrom back side, including fixing to wall with suitable brackets all asper manufacturers specification and direction of Engineer-in-charge.	EA	18.00	6342.63	114167.34
60	Providing and fixing one piece construction white vitreous chinasquatting plate with an integral longitudinal flushing pipe, whiteP.V.C. automatic flushing cistern, with fittings, standard size G.I. /PVC flush pipe for back and front flush with standard spreader pipeswith fittings, G.I clamps and C.P. brass coupling complete, includingpainting of fittings and cutting and making good the walls and floorsetc. wherever required : Single squatting plate with 5 litre P.V.C.automatic flushing cistern	EA	4.00	6593.31	26373.24
70	Providing & fixing chrome plated brass battery based infrared sensoroperated pillar cock, having foam flow technology. : 15 mm nominal bore	EA	22.00	7187.71	158129.62
80	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink asper 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 with drain board : 510x1040 mm bowl depth 250 mm	EA	4.00	5388.79	21555.16
90	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	EA	5.00	1162.50	5812.50
100	Providing and fixing PTMT soap Dish Holder having length of 138 mm, breadth 102 mm, height of 75 mm with concealed fitting arrangements, weighing not less than 106 gms.	EA	23.00	91.00	2093.00
110	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high	EA	23.00	137.46	3161.58

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.				
120	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	EA	23.00	189.37	4355.51
130	Providing and fixing toilet paper holder : C.P. brass	EA	22.00	599.12	13180.64
140	Providing and fixing PTMT Bottle Trap for Wash basin and sink. : Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	EA	24.00	299.71	7193.04
150	Providing and fixing on wall face un plasticised Rigid PVC rain waterpipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i)Single socketed pipes. : 110 mm diameter	M	414.00	283.73	117464.22
160	Providing and fixing on wall face un plasticised - PVC moulded fittings/accessories for un plasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Single tee with door : 110x110x110 mm	EA	32.00	191.16	6117.12
170	Providing and fixing on wall face un plasticised - PVC moulded fittings/accessories for un plasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Single tee without door : 110x110x110 mm	EA	22.00	180.71	3975.62
180	Providing and fixing on wall face un plasticised - PVC moulded fittings/accessories for un plasticised Rigid PVC rain water pipes conforming	EA	40.00	122.76	4910.40

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	toIS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion. Bend 87.5° : 110 mm bend				
190	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming toIS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion. Shoe (Plain) : 110 mmShoe	EA	20.00	107.66	2153.20
200	Providing and fixing unplasticised - PVC pipe clips of approved design tounplasticised - PVC rain water pipes by means of 50x50x50 mm hard woodplugs, screwed with M.S. screws of required length, including cuttingbrick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand)and making good the wall etc. complete. : 110 mm	EA	30.00	249.93	7497.90
210	Providing and fixing to the inlet mouth of rain water pipe cast irongrating 15 cm diameter and weighing not less than 440 grams.	EA	12.00	44.64	535.68
220	Providing and fixing PTMT grating of approved quality and colour.Circular type : 100 mm nominal dia	EA	39.00	30.71	1197.69
230	Providing and fixing mirror of superior glass (of approved quality) andof required shape and size with plastic moulded frame of approved makeand shade with 6 mm thick hard board backing : Rectangular shape1500x450 mm	EA	22.00	1576.21	34676.62
240	Providing and fixing square-mouth S.W. gully trap class SP-1 completewith C.I. grating brick masonry chamber with water tight C.I. cover withframe of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standarddesign: 100x100 mm size P type : With Sewer bricks conforming to IS :4885	EA	15.00	2938.37	44075.55
260	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brickhoney comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 mlong complete as per standard	EA	1.00	25769.64	25769.64

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	design. : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5				
270	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1metre long with S.S. triangular plate to European type W.C. of qualityand make as approved by Engineer - in - charge.	EA	22.00	285.05	6271.10
280	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & cold water supply, including all CPVC plain& brass threaded fittings and fixing the pipe with clamps at 1.00 mspacing. This includes jointing of pipes & fittings with one step CPVCsolvent cement and the cost of cutting chases and making good the sameincluding testing of joints complete as per direction of Engineer inCharge. Concealed work, including cutting chases and making good thewalls etc. : 15 mm nominal dia Pipes	M	360.00	349.52	125827.20
290	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & cold water supply, including all CPVC plain& brass threaded fittings and fixing the pipe with clamps at 1.00 mspacing. This includes jointing of pipes & fittings with one step CPVCsolvent cement and the cost of cutting chases and making good the sameincluding testing of joints complete as per direction of Engineer inCharge. Concealed work, including cutting chases and making good thewalls etc. : 20 mm nominal dia Pipes	M	150.00	382.04	57306.00
300	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & cold water supply including all CPVC plain &brass threaded fittings This includes jointing of pipes & fittings withone step CPVC solvent cement, trenching, refilling & testing of jointscomplete as per direction of Engineer in Charge. External work : 50 mmnominal dia Pipes	M	140.00	611.80	85652.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
250	Constructing brick masonry chamber for underground C.I. inspectionchamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarsesand) C.I. cover with frame (light duty) 455x610 mm internal dimensions,total weight of cover with frame to be not less than 38 kg (weight ofcover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix(1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominalsize), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 gradedstone aggregate 40 mm nominal size), inside plastering 12 mm thick withcement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with afloating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 455x610 mm and 45 cm deep forsingle pipe line : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	EA	10.00	6877.84	68778.40
310	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. : 15 mm nominal bore	EA	36.00	670.06	24122.16
320	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. : 15 mm nominal bore	EA	59.00	547.37	32294.83
330	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, including making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good thewall : 15 mm dia nominal bore	M	50.00	415.81	20790.50
340	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, including making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good thewall : 20 mm dia nominal bore	M	14.00	460.15	6442.10
350	Providing and fixing gun metal non-return valve of approved quality(screwed end) : 50 mm nominal bore : Vertical	EA	20.00	1179.90	23598.00
360	Providing and placing on terrace (at all	L	10000.00	8.97	89700.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	floor levels) polyethylenewater storage tank, IS:12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and over flow pipes but without fittings and the base support for tank.(Unit: per litre)				
370	Supplying, assembling, lowering and fixing in vertical position in borewell, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer - in-charge. : 150 mm nominal size dia	M	70.00	649.47	45462.90
380	Supplying, assembling, lowering and fixing in vertical position in borewell unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge. : 100 mm nominal size dia	M	70.00	560.79	39255.30
390	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	M3	3.00	1590.17	4770.51
400	Development of tube well in accordance with IS : 2800 (part I) and IS:11189, to establish maximum rate of useable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step drawdown method, collecting water samples & getting tested in approved laboratory, including disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	HR	18.00	885.90	15946.20
410	Providing and fixing suitable size	EA	3.00	182.94	548.82

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	threaded mild steel cap or spotwelded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of : 100 mm dia				
420	Providing and fixing M.S. clamp of required dia to the top of casing/housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete. : 100 mm clamp	EA	3.00	1493.48	4480.44
430	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge. All kinds of soil	M3	11.11	142.91	1587.73
440	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	0.71	7080.55	5027.19
450	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 : 1.5coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	2.08	8268.35	17198.17
460	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks : 1:6 (1cement : 6 coarse sand)	M2	7.05	1361.31	9597.24
470	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in : Cement mortar 1:4 (1cement : 4 coarse sand)	M3	4.10	11142.95	45686.10
480	Half brick masonry with common burnt clay F.P.S. (non modular) bricks	M2	4.50	1452.35	6535.58

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	of class designation 7.5 in superstructure above plinth level up to floor V level. : Cement mortar 1:4 (1 cement :4 coarse sand)				
490	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete	M2	6.79	278.69	1892.31
500	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	M2	104.54	278.43	29107.07
510	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1cement: 3 coarse sand), finished with a floating coat of neat cement. :18 mm thick	M2	52.27	458.65	23973.64
520	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	M2	4.80	749.86	3599.33
530	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.	KG	161.47	84.81	13694.27
SECTION C: ELECTRICAL & HVAC WORKS					
10	MAIN LT PANEL Supply installation testing and commissioning of MAIN LT DISTRIBUTIONPANEL (Outdoor Type: IP-55) cubical type LT panel suitable for 415 V, 3 Phase, 4 Wire 50 Hz AC supply system fabricated in compartmentalized design from CRCA sheet steel of 2 mm thick for framework and covers, 3 mm thick for gland, plates i/c cleaning & finishing complete with 9 tank process for powder coating in approved shade Incoming 2 nos EP MVS	NO	1.00	631856.00	631856.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	ACB(LSIg) 630A 50kA 4P EDO 240 VAC ETA6 drawout electricalCircuit Breaker (Rated Short time withstand current,Icw=50 kA (1 s) at220...440 V AC 50 Hz)with OL,Earth Fault, Short Time SC Protection and instantaneous SC protection and fault indication of Earth fault Short-circuit Internal fault Overload, conforming to IEC 60947-2BUS Coupler: 630A 50kA 4P with mechanical interlock system/Cast Interlock between Incomer 1 and Incomer 2 as mentioned in the SLD.1Set (3 Nos) - 630/5A, 15VA Class-1 CTs for Metering.1 Nos - Class-1 CT Operated Multi function digital meter.(96mmx96mm)1 Sets (3 Nos) R-Y-B Phase Indication Lights with control MCB1 set 'Type1+2 50ka 3P+N SPDBus Bar1 Set - TPN copper bus bars of 800Amps capacity with heat shrinkable coloured sleeves bus bar cross section, size supports & their spacingetc. for withstanding fault level of 31 MVA for 1 Sec.Outgoing1) 02 Nos - 400A, 4P MCCB (36 kA) Microprosser release with Rotary Handle Operated Mechanis				
20	Supply, testing, & commissioning of following type compartmentalisedwall mounted cubicle board from 1.6 mm thick CRCA sheet dust and vermiproof duly phosphatized & powder coated 9 tank treatment.The panel shallhave 01 nos of incomer as mentioned below,followed by Analog Timerswitch as per approved drawing.IP 55 ratingIncomer : 1 No. 63A, 4P, 18kA MCCB,with(OL/SC/EF) release, Led typeon, off & Trip indicating lamp. 1 Set (3 Nos) - 63/5A, 10 VA, Cl-1Current Transformer. 1 Set - Cl-1 Multi Function Digital Meter with RS485 BMS COMPATIBALE. 1 Set - 3 Nos R-Y-B Phase Indication Lamp with 1Nos 6A TPN MCB Protection. 24h Analog timer switch with 32 Amp 3P contactor Bus Bar: 80 Amp AL TPN Bus Bar covered with colour coded HeatShrinkable PVC sleeves, mounted on Porcelain/DMC/SMC Insulators.Neutral link to be provided	NO	1.00	228444.98	228444.98

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	and Auto manual selector switch Outgoing: a) 10 No. - 16A, SP MCB, Icu = 10 kA Earth Bus Bar: 25 mm x 5 mm GI flat earth bus bar running along the base of the frame covering entire length of the panel with GI bolt and nuts and number of drilled holes as required for earth connection. Contractor should submit the GA Drawing of panel board and obtain necessary approval for authority before placing purchase P.O. of the panel board. 1 - Danger Board.Com				
30	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper busbar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . Vertical type MCB TPDB is normally used where 3 phase outlets are required.) 8 way (4 + 24), Double door, Note: All electrical switchgears and Distribution board may be of same make and prior approval to be taken from OIL before procurement.	EA	10.00	11067.17	110671.70
40	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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 MCB/RCCB/Isolator) 8 way (4 + 24), Double door Note: All electrical switchgears and Distribution board may be of same make and prior approval to be taken from OIL before procurement..	EA	20.00	6539.78	130795.60
50	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10kA "C" curve, miniature circuit breaker suitable for inductive load offollowing poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single	EA	480.00	294.12	141177.60

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	pole Note: All electrical switchgears and Distribution board may be of samemake and prior approval to be taken from OIL before procurement.				
60	Supplying and fixing 3 pole 63 A rating, 240/415 V, 10 kA, "C" curve,miniature circuit breaker suitable for inductive load of following polesin the existing MCB DB complete with connections, testing andcommissioning etc. as required.Triple Pole Note: All electrical switchgears and Distribution board may be of samemake and prior approval to be taken from OIL before procurement..	NO	80.00	1854.53	148362.40
70	Supplying and fixing of Residual current operated Circuit Breaker with Overcurrent protection (RCBO) Four Pole 415 V 63 Amps 30mA in existing distribution board. Note: All electrical switchgears and Distribution board may be of same make and prior approval to be taken from OIL before procurement..	NO	20.00	4181.78	83635.60
80	Supplying and fixing of Molded case circuit breaker(MCCB) Four Pole 415V 125 Amps,Thermal Magnetic type Icu=16 kA with O\L, S\C, G\Fprotection in existing distribution board as required.125 A Note: All electrical switchgears and Distribution board may be of samemake and prior approval to be taken from OIL before procurement.	NO	10.00	5648.76	56487.60
90	Supplying and fixing single pole blanking plate in the existing MCB DBcomplete etc. as required.	EA	24.00	14.45	346.80
100	Supplying, providing and constructing GI Pipe Earth electrodes as PerIS:3043; GI Pipe Medium Class'B' 65 mm Dia; 3000 mm long complete withEarth Pit and all necessary materials including excavation of Earth Pit,filling with homogeneous layer of Charcoal and salt, Back filling,providing necessary Brick	EA	6.00	9563.01	57378.06

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	Masonry work, Plastering, MS/CI cover; Testlinks for connecting the earth Grid and Earth Electrode etc.This alsoincludes testing of Earth resistance after completion as per IndianElectricity Rules. Minimum depth of burial shall be 3000 mm, homogenouslyhygroscopic material should not be less than 1 cum.& should cover 300 mmaround the electrode up to a height of 2500 mm. The scope of work alsoincludes providing earth pit markers indicating resistance, test date,next due date etc.as per std. earthpit boards on GI plate of size @ 300x300 mmx 2mm thick with a GI hollow section stand of of 25 mm square &length @ 1m; grouted in PCC 1:4:8 at a depth of @300 mm below the groundlevel and the top of plate should be @ 700 mm above the ground level.				
110	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground levelfor conductor earth electrode, including connection/termination with GI thimble etc. as required.	M	200.00	63.98	12796.00
120	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I.nut, bolt, spring, washer etc. as required. (Jointing shall be done byoverlapping and with 2 sets of G.I. nut bolt & spring washer spaced at50mm)	M	300.00	165.12	49536.00
130	Supply, installation and connection of following 50 x 6 mm GI earthingstrip including welding at Jointings, providing anti-corrosive paint orbitumen and jutecovering for welded portion, clamping and necessary hardware forconnecting, etc., including all labour and materials, as per approveddrawings, specifications of this tender and directions of OIL.	M	100.00	459.95	45995.00
140	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess forconnections etc. as required.	M	400.00	296.18	118472.00
150	Providing and fixing of lightning conductor finial, made of 25 mm dia300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6	EA	8.00	628.49	5027.92

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	mmthick G.I. base plate including holes etc. complete as required				
160	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	SET	11.00	15484.13	170325.43
170	Providing and fixing of lightning conductor finial, made of 25mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. completeas required.	EA	4.00	435.50	1742.00
180	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nutbolting/ sweating and soldering etc as required	EA	8.00	143.45	1147.60
190	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	M	100.00	152.74	15274.00
200	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	M	50.00	245.62	12281.00
210	Supply of 1.1 kV grade XLPE insulated core laid up PVC tapeinnersheathed armoured aluminium cable of following rating, Confirming to IS : 7098 (Part-I),IS:8130-1984,IS:10810-1984,IS:10418-1982.3.5C x 300 sq mm armoured cable.	M	1000.00	1742.25	1742250.00
220	Supply of 1.1 kV grade XLPE insulated core laid up PVC tapeinnersheathed armoured aluminium cable of following rating, Confirming to IS : 7098 (Part-I),IS:8130-1984,IS:10810-1984,IS:10418-1982.1C x 150 sq mm armoured cable.	M	500.00	437.50	218750.00
230	Supply of 1.1 kV grade XLPE insulated core laid up PVC tapeinnersheathed armoured aluminium cable of following rating, Confirmingto IS : 7098 (Part-I),IS:8130-1984,IS:10810-1984,IS:10418-1982.1 C x 25 sq mm armoured cable.	M	1000.00	35.46	35460.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
240	Supply of 1.1 kV grade XLPE insulated core laid up PVC tape innersheathed armoured aluminium cable of following rating, Confirming to IS : 7098 (Part-I), IS:8130-1984, IS:10810-1984, IS:10418-1982.3.5C x 120 sq mm armoured cable.	M	500.00	739.49	369745.00
250	Supply of 1.1 kV grade XLPE insulated core laid up PVC tape innersheathed armoured aluminium cable of following rating, Confirming to IS : 7098 (Part-I), IS:8130-1984, IS:10810-1984, IS:10418-1982.3.5C x 70 sq mm armoured cable.	M	1000.00	491.70	491700.00
260	Supply of 1.1 kV grade PVC insulated PVC tape innersheathed armoured 4 core copper cable of size 2.5 sq mm Confirming to IS : 7098 (Part-I), IS:8130-1984, IS:10810-1984, IS:10418-1982.4C x 2.5 sq mm armoured Cu cable.	M	700.00	135.64	94948.00
270	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, sand cushioning, protective covering and refilling the trench etc as required Above 35 sq. mm and upto 95 sq. m	M	1000.00	490.20	490200.00
280	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, sand cushioning, protective covering and refilling the trench etc as required Above 95 sq. mm and upto 185 sq. m	M	500.00	512.90	256450.00
290	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, sand cushioning, protective covering and refilling the trench etc as required Above 185 sq. mm and upto 400 sq. m	M	1000.00	582.05	582050.00
300	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, sand cushioning, protective covering and refilling the trench etc as required. Upto 35 sq. m	M	700.00	467.50	327250.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
310	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required. Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	M	1000.00	112.49	112490.00
320	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. 3½ X 300 sq. mm (70mm)	EA	8.00	732.72	5861.76
330	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. 3½ X 300 sq. mm (70mm)	EA	8.00	1378.75	11030.00
340	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. 3½ X 70 sq. mm (38mm)	EA	12.00	559.34	6712.08
350	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	M	1500.00	155.83	233745.00
360	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	M	1600.00	173.38	277408.00
370	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. 32 mm	M	1500.00	215.69	323535.00
380	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate,	P	300.00	1405.58	421674.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	suitable GI box and earthing the point with 1.5 sq.mm.FRLS PVC insulated copper conductor single core cable etc. as required. Group B				
390	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated 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. FRLS PVC insulated copper conductor single core cable etc. as required.Group C	P	260.00	1758.53	457217.80
400	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductorsingle core cable etc. as required	P	50.00	1860.70	93035.00
410	Wiring for group controlled (looped) light point/fan point/exhaust fanpoint/ call bell point (without independent switch etc.) with 1.5 sq. mmFRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVCinsulated copper conductor single core cable etc. as required.Group B	P	200.00	1117.66	223532.00
420	Wiring for group controlled (looped) light point/fan point/exhaust fanpoint/ call bell point (without independent switch etc.) with 1.5 sq. mmFRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVCinsulated copper conductor single core cable etc. as required.Group C	P	50.00	1285.87	64293.50
430	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copperconductor single core cable in surface/ recessed medium class PVCconduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductorsingle core cable for loop	M	5000.00	384.94	1924700.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	earthing as required.				
440	Wiring for circuit/ submain wiring alongwith earth wire with thefollowing sizes of FRLS PVC insulated copper conductor, single corecable in surface/ recessed PVC conduit as required.2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	M	1000.00	275.54	275540.00
450	Wiring for circuit/ submain wiring alongwith earth wire with thefollowing sizes of FRLS PVC insulated copper conductor, single corecable in surface/ recessed PVC conduit as required. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	M	4000.00	320.95	1283800.00
460	Wiring for circuit/ submain wiring alongwith earth wire with thefollowing sizes of FRLS PVC insulated copper conductor, single corecable in surface/ recessed PVC conduit as required. 4 X 16 sq. mm + 2 X 6 sq. mm earth wire	M	800.00	1816.32	1453056.00
470	Supply and laying of High Speed HDMI Cable Video Resolution up to 4KSupports all HDMI Devices Colour: Black Fully HDCP compliant to providehighest level of signal quality. Compatible with all devices using 18 or19pin HDMI ports: HDTV, Sony PS3, X Box, Sky HD box, HD-DVDrecorders/players, Blu-ray Other Set Top Boxes, Video Monitors,Projectors, LCD and PLASMA TV's etc Unleash the digital high-definitioncapabilities of your console / Blue Ray Player/Xbox 360 / PS3/4 / PC /DVD /HDTV Enjoy movies and games at up to 1080p resolution. Feelconfident connecting your console to high-definition equipment with thequality you deserve One wire for both digital audio and video. : 1 XHDMI Cable	M	100.00	249.72	24972.00
480	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulatedannealed copper conductor, unarmored telephone cable in the existingsurface/ recessed steel/ PVC conduit as required.5 Pair	M	2200.00	87.11	191642.00
490	Supply and fixing of Telephone outlet (RJ11) as required with completeaccessories as directed by OIL	NO	60.00	98.73	5923.80

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
500	Supply of 200Pair Telephone Junction Box(JB) with original Kroneconnector Thermoplastic Polycarbonate Body & Transparent Cover UVResistant in accordance with IEC 61439-1, Clause no 10.2.4,ChemicalResistant, Corrosion proof, halogen & silicone free, Colour – PerforatedCoated self-finish, Grey Colour RAL-7035 IP:IP66 conforming to IEC60529for Indoor & outdoor installation Impact strength:IK 08(5 Joule) in accordance with DIN EN 50 102	NO	1.00	10705.16	10705.16
510	Supply of 50Pair Telephone Junction Box(JB) with original Kroneconnector Thermoplastic Polycarbonate Body & Transparent Cover UV Resistant in accordance with IEC 61439-1, Clause no 10.2.4,ChemicalResistant, Corrosion proof, halogen & silicone free, Colour – Perforated Coated self-finish, Grey Colour RAL-7035 IP:IP66 conforming to IEC60529for Indoor & outdoor installation Impact strength:IK 08(5 Joule) in accordance with DIN EN 50 102	NO	1.00	6233.39	6233.39
520	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	EA	5.00	115.58	577.90
530	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/recessed steel/ PVC conduit as required.	M	100.00	55.73	5573.00
540	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required	EA	120.00	680.09	81610.80
550	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch,connections etc. as required. (For light plugs to be used in non residential buildings).	EA	120.00	781.22	93746.40
560	Supplying and fixing following	EA	20.00	124.87	2497.40

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	modular switch/ socket on the existing modular plate & switch box including connections but excluding modularplate etc. as required.5/6 A switch				
570	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 A switch	EA	20.00	181.63	3632.60
580	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.2 way 5/6 amps switch	EA	10.00	173.38	1733.80
590	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 A (5 pin) socket outlet	EA	20.00	140.35	2807.00
600	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 A socket outlet	EA	20.00	226.01	4520.20
610	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.TV antenna socket outlet	EA	5.00	173.38	866.90
620	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required. 1 or2 Module (75mmX75mm)	EA	160.00	365.33	58452.80
630	Supplying and fixing of pop up boxes equipped with arteor socket units, HDMI port ,Telephone and Lan port along with installation kit for tabletop 8 module	NO	6.00	7143.23	42859.38
640	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required. 1 run	M	3000.00	72.24	216720.00
650	Supply and fixing of Data outlet (RJ45) with anodised GI box with front plate etc. as required all complete as directed by OIL.	NO	65.00	109.56	7121.40

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
660	Supply and fixing APW Flexi box Wall mount Rack 15U 19"X 500mmD Networking Wall mount Rack with Front Tinted Glass Door with Lock "PDU6*5A - 01 Nos. Fan 90 cfm 230V - 01 Nos. Mounting Hardware (Set of 10) - 1 Set 19" 1U Cable Manager - 1 Nos."	NO	3.00	19551.91	58655.73
670	Supply , Installation, testing and commissioning of 1200 mm sweep, BEE5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Hexagonal GI box for holding of fan Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), THD less than 10%, electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Power rating 20-22 watt	NO	65.00	2974.22	193324.30
680	Supply of ISI marked 300 mm sweep, 230 Volt AC, PVC Exhaust Fan including wire guard, louvers as required and directed by OIL.	NO	38.00	2516.59	95630.42
690	Supply of ISI marked 150 mm sweep, 230 Volt AC, pvc ceiling mounted exhaust fan with all accessories	NO	30.00	2206.85	66205.50
700	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. (Upto 450 mm sweep)	NO	68.00	573.79	39017.72
710	Supply, Installation, testing and commissioning of BIS Approved recessed type 36 to 38 W LED CRCA powder coated luminaire (2ftx2ft) complete with all mounting accessories for fixing in false ceiling including supplying, fixing arrangement and connection with 3x1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and	NO	120.00	4297.55	515706.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	earthing etc.as required. Minimum output Lumen shall be 3600 and colour temperature shall be 5500K to 6500K.Driver shall be external. Efficacy shall be more than 100%. Power factor>0.9, THD < 10% , IEC Compliant for safety. Note: Prior approval to be taken from OIL before procurement.				
720	Supply , Installation, testing and commissioning of BIS Approved Cooldaylight white recess mounted square shaped luminaires min output Lumenshall be 2000 lumen, 5700 K with complete accessories as directed bythe OIL, BIS Approved Note: Prior approval to be taken from OIL before procurement	NO	246.00	2787.60	685749.60
730	Supply , Installation, testing and commissioning of BIS Approved Coolday white Recess Mounted circle luminarie min output Lumen shall be 1500 lumen, 5700 K with complete accessories as directed by the OIL, BIS Approved Note: Prior approval to be taken from OIL before procurement.	NO	95.00	1970.68	187214.60
740	Supply , Installation, testing and commissioning of BIS Approved Coolday white surface mounted circle luminarie min output Lumen shall be1500 lumen, 5700 K Cool day white surface mounted circle luminarie withcomplete accessories as directed by the OIL Note: Prior approval to be taken from OIL before procurement.	NO	85.00	2090.70	177709.50
750	Supply , Installation, testing and commissioning of BIS Approved 22 WCove profile LED 3000 K warm white luminaire with complete accessoriesas directed by the OIL Note: Prior approval to be taken from OIL before procurement..	NO	50.00	247.78	12389.00
760	Supply , Installation, testing and commissioning of BIS Approved (1137 mm long) LED light suitable for	NO	12.00	4239.48	50873.76

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	suspended/ surface mounting with height adjustable suspension kit of Aluminium extruded housing in white powder coated finish and metal end caps with all complete accessories min output Lumen shall be 2500 lumen, 5700 K as directed by the OIL Note: Prior approval to be taken from OIL before procurement..				
770	Supply , Installation, testing and commissioning of BIS Approved IP65 LED, min output Lumen shall be 1500 lumen, 5700 K Post top lantern with all complete accessories as directed by the OIL Note: Prior approval to be taken from OIL before procurement..	NO	4.00	5923.65	23694.60
780	Supply , Installation, testing and commissioning of BIS Approved IP66, min output Lumen shall be 7000 lumen, 5700K, LED Street light with all complete accessories as directed by the OIL Note: Prior approval to be taken from OIL before procurement.	NO	4.00	5946.88	23787.52
790	Supply and fixing of Mild Steel 9 Meter Single Arm Street light pole with complete fittings including JB for street light luminaire connection as required by E.I.C Note: Prior approval to be taken from OIL before procurement.	NO	4.00	14905.91	59623.64
800	Supply, Installation, Testing & Commissioning of BIS Approved min 900 lumen decorative mirror light as directed by the OIL Note: Prior approval to be taken from OIL before procurement.	NO	30.00	1804.19	54125.70
810	Supply, Installation, Testing & Commissioning of BIS Approved LED Bollard light min 800 lumen IP 65 rating as directed by the OIL Note: Prior approval to be taken from OIL before procurement.	NO	20.00	7162.59	143251.80
820	Supply, Installation, Testing &	NO	32.00	29773.11	952739.52

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	Commissioning of BIS Approved decorative post top latern with 900 min lumen output, 3000 to 4500 Kcolour temperature with decorative pole of length 4.5 meter, min dia Ø76 MM with complete all fittings as needed and directed by the OIL Note: Prior approval to be taken from OIL before procurement				
830	Supply, Installation, Testing & Commissioning of BIS ApprovedDecorative bulk head LED luminaries IP 65 rating with 2000 min lumenoutput , 3000 to 4500 K colour temperature, with complete accessories as directed by the OIL Note: Prior approval to be taken from OIL before procurement	NO	15.00	1204.09	18061.35
840	Supply, Installation, Testing & Commissioning of BIS Approved LEDsquare luminaries IP 55 with 3000 min lumen output , 4500 to 5700 Kcolour temperature, with complete accessories as directed by the OIL(for entry double height area) Note: Prior approval to be taken from OIL before procurement	NO	10.00	7785.92	77859.20
850	Supply, Installation, Testing & Commissioning of BIS Approved LEDGarden spike light IP 55 with 1000 min lumen output , 3000 to 4500 Kcolour temperature, with complete accessories as directed by the OIL. Note: Prior approval to be taken from OIL before procurement	NO	10.00	2758.56	27585.60
860	Supplying and installing following size of perforated Hot DippedGalvanised Iron cable tray (Galvanisation thickness not less than 50microns) with perforation not more than 17.5%, in convenient sections,joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.300 mm width X 50 mm depth X 1.6 mm thickness	M	500.00	1095.98	547990.00
870	Supplying and installing following size	M	600.00	828.70	497220.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50microns) with perforation not more than 17.5%, in convenient sections,joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required. 150 mm width X 50 mm depth X 1.6 mm thickness				
880	Supply, installation, testing and commissioning of Mono Block Water PumpMotor Power : 0.75 HP (0.50 kW) Power : 250 V AC Supply ElectricityConnection : Single Phase . Head range: 57-11 m ,Discharge range:9 -65 lpm Weight : 30 kg (Approx.)	NO	2.00	16919.19	33838.38
890	Supply, installation, testing and commissioning of DOL starter Power - 0.75 HP Relay Range - 4.5 - 7 A Related Voltage - 230 V Frequency - 50Hz	NO	2.00	3403.97	6807.94
900	Supplying, Installation, Testing & Commissioning of 13 passengercapacity (884kg) Machine room less (MRL) lift with regenerative drive as per CPWD General Specification for Electrical Works (Part-III Lift &Escalator) 2003, BIS Codes, NBC 2016 as amended upto date havingprovision for barrier free access as per Harmonised Guidelines &Standards for Universal Accessibility in India - 2021 of MoHUA, serving different floors in the lift shaft.	EA	1.00	2002323.87	2002323.87
910	Supplying, Installation, Testing & Commissioning of 8 passenger capacity(544kg) Machine room less (MRL) lift with regenerative drive as perCPWD General Specification for Electrical Works (Part-III Lift &Escalator) 2003, BIS Codes, NBC 2016 as amended upto date having provision for barrier free access as per Harmonised Guidelines &Standards for Universal Accessibility in India - 2021 of MoHUA, serving different floors in the lift shaft.	EA	1.00	2228631.72	2228631.72
920	Supplying, Installation, Testing & Commissioning of Modular Variable Refrigerant Flow/Variable Refrigerant	HP	60.00	20654.08	1239244.80

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	Volume air cooled Outdoor units suitable for cooling/heating having 100% hermetically sealed inverter type twin Rotary/Scroll Compressor(s), minimum two compressors (with individual separate PCB) for above 14HP modules, microprocessor based Controller, top discharge type condensing unit(s), with R-410-A Refrigerant or equivalent, vibration Isolators with suitable foundation etc. complete as required. To have better efficiency condenser fan shall be capable to operate at different speed with respect to load. The unit shall deliver the rated capacity and in confirmation as per IS 18728:2024 and CPWD Specifications and work even at 50°C ambient temperature without tripping. The system shall be able to deliver 100% of the rated capacity upto 39 °C. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply and BMS compatible. The unit shall be filled with first charge of the refrigerant and ready for use as required. The condenser should be coated with a hydrophilic film to prevent water accumulation on the surface of the heat exchanger, enhance water dispersion, and reduce the risk of degradation, thereby improving overall performance and durability. The Indian Seasonal Energy Efficiency Ratio (ISEER) of the unit shall be as per Energy Conservation and Sustainable Building Code (ECSBC) 2024 as below and complete as per CPWD specification, on connections, inter connections etc. as required. (For capacity <40 kW ISEER 6.4, Capacity > 40 and <70 ISEER 6.5, Capacity > 70 ISEER 6.6 for ECSBC+ Building) Outdoor Unit only Cool. 14HP TO 22 HP				
930	VRF Indoor Units Supply, Installation, Testing and Commissioning of following minimum capacity 4 way Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low	NO	3.00	39984.92	119954.76

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	noise fan/dynamically balanced blower, multispeed motor, coil section with DXCoppercoil, electronic expansion valve, outer cabinet, drain pump, grill,necessariesupports, vibration Isolation, Corded remote control etc., suitable foroperation on single phase 230 V $\pm$ 10%, 50Hz AC supply, complete, asrequired. The Indoor units must shut down upon receiving a singal fromtheBMS System/Fire Signals. The system shall be capable to adjust air flowasper room requirement in auto mode. The cooling capacity of indoor unitwillbe at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. (Make will be same as of Outdoor)Capacity-1.6Tr				
940	VRF Indoor UnitsSupply, Installation, Testing and Commissioning of following minimum capacity 4 way Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Coppercoil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration Isolation, Corded remote control etc., suitable foroperation on single phase 230 V $\pm$ 10%, 50Hz AC supply, complete, asrequired. The Indoor units must shut down upon receiving a singal from the BMS System/Fire Signals. The system shall be capable to adjust air flow as per room requirement in auto mode. The cooling capacity of indoor unitwillbe at air inlet conditions of 27 Degree C DB and 19 Degree C WBtemperature. (Make will be same as of Outdoor)Capacity-2.0Tr	NO	1.00	40258.49	40258.49
950	VRF Indoor Units Supply, Installation, Testing and Commissioning of following minimum capacity 4 way Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section	NO	7.00	41352.74	289469.18

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	with DX Coppercoil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration Isolation, Corded remote control etc., suitable for operation on single phase 230 V $\pm$ 10%, 50Hz AC supply, complete, as required. The Indoor units must shut down upon receiving a singal fromtheBMS System/Fire Signals. The system shall be capable to adjust air flowasper room requirement in auto mode. The cooling capacity of indoor unitwillbe at air inlet conditions of 27 Degree C DB and 19 Degree C WBtemperature. (Make will be same as of Outdoor)Capacity-2.6Tr				
960	VRF Indoor Units Supply, Installation, Testing and Commissioning of following minimum capacity 4 way Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DXCoppercoil, electronic expansion valve, outer cabinet, drain pump, grill,necessary supports, vibration Isolation, Corded remote control etc., suitable for operation on single phase 230 V $\pm$ 10%, 50Hz AC supply, complete, as required. The Indoor units must shut down upon receiving a singal fromthe BMS System/Fire Signals. The system shall be capable to adjust air flowasper room requirement in auto mode. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WBtemperature. (Make will be same as of Outdoor)Capacity-3.6Tr	NO	5.00	44853.35	224266.75
970	VRF Indoor Units Supply, Installation, Testing and Commissioning of following minimum capacity 4 way Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Coppercoil, electronic expansion valve, outer cabinet, drain	NO	2.00	46385.31	92770.62

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	pump, grill,necessary supports, vibration Isolation, Corded remote control etc., suitable for operation on single phase 230 V $\pm$ 10%, 50Hz AC supply, complete, as required. The Indoor units must shut down upon receiving a singal from the BMS System/Fire Signals. The system shall be capable to adjust air flow as per room requirement in auto mode. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. (Make will be same as of Outdoor)Capacity-4.1Tr				
980	Supply, Installation, Testing and Commissioning of following minimumcapacity High wall type Indoor unit equipped with and comfort washablesynthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil,electronic expansion valve, outer cabinet, cord less remote control, drainpan, necessary accessories etc., suitable for operation on 230 V $\pm$ 10%,50Hz, single phase AC supply, complete as required. The Indoor units must shut down upon receiving a singal from the BMS System/Fire Singnals. The system shall be capable to adjust air flow as per room requirement automatically. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. (Make will be same as of Outdoor)Capacity-1.6TR	NO	5.00	22317.76	111588.80
990	Supply, Installation, Testing and Commissioning of following minimum capacity High wall type Indoor unit equipped with and comfort washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, outer cabinet, cord less remote control,drainpan, necessary accessories etc., suitable for operation on 230 V $\pm$ 10%,50Hz, single phase AC	NO	13.00	22945.94	298297.22

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	supply, complete as required. The Indoor units must shut down upon receiving a signal from the BMS System/Fire Signals. The system shall be capable to adjust air flow as per room requirement automatically. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. (Make will be same as of Outdoor) Capacity-2.0TR				
1000	Supplying, Installation, Testing and Commissioning of following minimum capacity and external static pressure VRF/VRV ceiling mounted high ductable type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, corded remote control, outer cabinet, vibration Isolators, drain pan, drain pump, other necessary supports etc., suitable for operation on single phase AC supply 230 V $\pm$ 10%, 50 Hz complete as required. The Indoor units must shut down upon receiving a signal from the BMS System/Fire Signals. The cooling capacity of indoor unit will be at air inlet conditions of 27 OC DB and 19 OC WB temperature (Make will be same as of Outdoor) Capacity-5.5 TR	NO	3.00	75376.00	226128.00
1010	Supplying, Installation, Testing and Commissioning of following minimum capacity and external static pressure VRF/VRV ceiling mounted high ductable type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, corded remote control, outer cabinet, vibration Isolators, drain pan, drain pump, other necessary supports etc., suitable for operation on single phase AC supply 230 V $\pm$ 10%, 50 Hz complete as required. The Indoor units must shut down upon receiving a signal from the BMS System/Fire	NO	2.00	86315.52	172631.04

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	Singnals. The cooling capacity of indoor unit will be at air inlet conditions of 27 OC DB and 19 OC WB temperature (Make will be same as of Outdoor) Capacity-8.0 TR				
1020	Supply, Installation, Testing and Commissioning of Y/T/Multi Joints. Joints shall be of same Original Equipment Manufacturer (OEM) make as of ODUs and IDUs Indoor Units	EA	100.00	4594.86	459486.00
1030	Supply, Installation, Testing and Commissioning of Y/T/Multi Joints. Joint shall be of same Original Equipment Manufacturer (OEM) make as of ODUs and IDUs Outdoor Multi Joint	EA	50.00	8204.89	410244.50
1040	Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19 mm thick insulation as given below for Suction and Liquid lines, all accessories as per specifications etc. as required : 6.4mm Dia	M	200.00	259.38	51876.00
1050	Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19 mm thick insulation as given below for Suction and Liquid lines, all accessories as per specifications etc. as required : 9.5mm Dia	M	200.00	350.57	70114.00
1060	Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard	M	200.00	493.43	98686.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	drawncopperrefrigerant piping for VRV/VRF system, complete with fittings, withsuitableadjustable ring type hanger supports, jointing/brazing includingaccessories,insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19 mm thickinsulationas given below for Suction and Liquid lines, all accessories as perspecifications etc. as required :12.7mm Dia				
1070	Supply, Installation, testing and commissioning including vaccumiazationand Nitrogen testing of following nominal sizes of soft/hard drawncopperrefrigerant piping for VRV/VRF system, complete with fittings, withsuitableadjustable ring type hanger supports, jointing/brazing includingaccessories,insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19 mm thickinsulationas given below for Suction and Liquid lines, all accessories as perspecifications etc. as required :15.86mm Dia	M	200.00	623.12	124624.00
1080	Supply, Installation, testing and commissioning including vaccumiazationand Nitrogen testing of following nominal sizes of soft/hard drawncopperrefrigerant piping for VRV/VRF system, complete with fittings, withsuitableadjustable ring type hanger supports, jointing/brazing includingaccessories,insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19 mm thickinsulationas given below for Suction and Liquid lines, all accessories as perspecifications etc. as required :19.0 mm dia	M	200.00	748.75	149750.00
1090	Supply, Installation, testing and commissioning including vaccumiazationand Nitrogen testing of following nominal sizes of soft/hard drawncopperrefrigerant piping for VRV/VRF system, complete with fittings, withsuitableadjustable ring type hanger supports, jointing/brazing	M	200.00	915.93	183186.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	includingaccessories,insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19 mm thickinsulationas given below for Suction and Liquid lines, all accessories as perspecifications etc. as required :22.2mm Dia				
1100	Supply, Installation, testing and commissioning including vaccumiazationand Nitrogen testing of following nominal sizes of soft/hard drawncopperrefrigerant piping for VRV/VRF system, complete with fittings, withsuitableadjustable ring type hanger supports, jointing/brazing includingaccessories,insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19 mm thickinsulationas given below for Suction and Liquid lines, all accessories as perspecifications etc. as required :25.4mm Dia	M	150.00	1082.10	162315.00
1110	Supply, Installation, testing and commissioning including vaccumiazationand Nitrogen testing of following nominal sizes of soft/hard drawncopperrefrigerant piping for VRV/VRF system, complete with fittings, withsuitableadjustable ring type hanger supports, jointing/brazing includingaccessories,insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19 mm thickinsulationas given below for Suction and Liquid lines, all accessories as perspecifications etc. as required :28.58mm Dia	M	150.00	1172.27	175840.50
1120	Supply, Installation, testing and commissioning including vaccumiazationand Nitrogen testing of following nominal sizes of soft/hard drawncopperrefrigerant piping for VRV/VRF system, complete with fittings, withsuitableadjustable ring type hanger supports, jointing/brazing includingaccessories,insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19	M	150.00	1238.13	185719.50

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	mm thickinsulationas given below for Suction and Liquid lines, all accessories as perspecifications etc. as required :31.80mm Dia				
1130	Supply, Installation, testing and commissioning including vaccumiazationand Nitrogen testing of following nominal sizes of soft/hard drawncopperrefrigerant piping for VRV/VRF system, complete with fittings, withsuitableadjustable ring type hanger supports, jointing/brazing includingaccessories,insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19 mm thickinsulationas given below for Suction and Liquid lines, all accessories as perspecifications etc. as required :34.9mm dia	M	150.00	1302.98	195447.00
1140	Supply, Installation, testing and commissioning including vaccumiazationand Nitrogen testing of following nominal sizes of soft/hard drawncopperrefrigerant piping for VRV/VRF system, complete with fittings, withsuitableadjustable ring type hanger supports, jointing/brazing includingaccessories,insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19 mm thickinsulationas given below for Suction and Liquid lines, all accessories as perspecifications etc. as required :38.10mm dia	M	150.00	1339.45	200917.50
1150	Supply, Installation, testing and commissioning including vaccumiazationand Nitrogen testing of following nominal sizes of soft/hard drawncopperrefrigerant piping for VRV/VRF system, complete with fittings, withsuitableadjustable ring type hanger supports, jointing/brazing includingaccessories,insulated with XPLE Class-O tubular insulation/with Class-O closed cellelastometric nitrile rubber tubular sleeves sections of 19 mm thickinsulationas given below for Suction and Liquid lines, all accessories as perspecifications etc. as required :41.27mm dia	M	150.00	1339.45	200917.50

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
1160	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 25 mm nominal dia Pipes	M	500.00	635.53	317765.00
1170	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 32 mm nominal dia Pipes	M	500.00	749.06	374530.00
1180	Supplying & drawing the following size of FRLS PVC Insulated copper Conductor Single core cable in existing PVC Conduit. 2 x 1.5 sq mm	M	1000.00	78.02	78020.00
1190	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	M	500.00	152.99	76495.00
SECTION D: TELEPHONE WIRING & FIRE FIGHTING					
10	Supplying & fixing of 5 Pair Telephone Cable	M	5500.00	124.67	685685.00
20	Supplying & fixing of 20 pair Telephone Cable.	M	200.00	642.67	128534.00
30	Supplying & fixing of RJ11 socket with PVC Box.	NO	72.00	222.33	16007.76
40	Supplying & fixing of PVC casing.	NO	3500.00	190.67	667345.00
50	Supplying & fixing of 50 Pair Junction Box with cover.	NO	1.00	2950.00	2950.00
60	Supplying & fixing 20 pair Telephone	NO	3.00	2566.67	7700.01

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	Junction Box with cover.				
70	50 pair Jelly Telephone Cable.	M	100.00	780.00	78000.00
80	Analog Telephone instrument with CLI	NO	35.00	856.67	29983.45
90	Supplying, installation, testing & commissioning of intelligent analog addressable photothermal detector complete with mounting base complete as required.	EA	125.00	2452.47	306558.75
100	Supplying, installation, testing & commissioning of intelligent addressable programmable sounder complete as required.	EA	5.00	2275.31	11376.55
110	Supplying, installation, testing & commissioning of addressable manual call point complete as required	EA	8.00	3317.03	26536.24
120	Supplying, installation, testing & commissioning of fire fighter telephone handset complete as required.	EA	4.00	4911.46	19645.84
130	Supplying, installation, testing & commissioning of addressable horn cumstrobe complete as required	EA	3.00	3005.98	9017.94
140	Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors perloop and loop length up to 2 km, network communication card, minimum320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5% V, 50 hz), 48 hrs back-up with 24 voltsealed maintenance free batteries with automatic charger. The panelshall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system(which is part of the schedule of work under SH: PA System) and shall be complete with all accessories . The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specifications. Ten loop panel.	EA	1.00	389335.45	389335.45
150	Supplying & laying of 2x1.5 sqmm fire	M	1500.00	156.75	235125.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wirearmouring & FRLS outer sheath complete as required.				
SECTION E: PARKING, DRAIN & UNDERGROUND TANK					
10	Excavating, supplying, stacking and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20cm in foundation trenches, plinth, sides of foundation etc. complete for all lift.	M3	150.00	495.53	74329.50
20	CONSTRUCTION OF 150MM (CONSOLIDATED) GRANULAR SUB-BASE consolidated by dry rolling to proper grade including providing well compacted berms with earth on either side 1.2m wide levelled with finished road surface, dressing sub-grade including cutting surface upto 75mm deep to required level and as per clause 401. (Road roller supplied by contractor).	M2	1000.00	125.06	125060.00
30	CONSTRUCTION OF WATER BOUND MACADAM base course 100mm thick (Wearing course) and Surfacing Course (sealing coat) with loose hand broken metal of size 63mm and graded down to 45mm rolled dry to proper compaction, grade and camber and wet rolling after placing bindage of loamy earth and finally sealing the compacted surface with a 25mm thick layer of sand shingles (Ref. to MoRTH Spec.404) and as directed as applied over new consolidated surface. (Road roller supplied by contractor).	M2	1000.00	151.97	151970.00
40	Supply of approved quality granular materials from approved quarry, free from organic matter including stacking in measurable stacks as directed.	M3	175.00	1471.43	257500.25
50	Supply of Hand broken hard stone metal from river boulder fairly cubical in shape, free from dust/dirt disintegrated pieces, organic and other foreign matters (63mm to 45mm graded)	M3	125.00	2433.93	304241.25
60	Providing and laying factory made chamfered edge Cement Concrete	M2	1000.00	857.94	857940.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by tablevibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. : 80 mm thick C.C. paver block of M-35 grade with approved colour design and pattern.				
70	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	M2	186.00	572.77	106535.22
80	Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centering, shuttering and finishing. : 1:1 1/2:3 (1 Cement: 1 1/2 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	18.60	7820.20	145455.72
90	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge. All kinds of soil	M3	79.38	142.91	11344.20
100	Excavating, supplying, stacking and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20cm in foundation trenches, plinth, sides of foundation etc. complete for all lift.	M3	14.18	495.53	7026.62

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
110	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	7.56	7080.55	53528.96
120	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : cement mortar 1:4(1 cement : 4 coarse sand)	M2	151.20	1315.05	198835.56
130	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1cement : 3 coarse sand), finished with a floating coat of neat cement. :18 mm thick	M2	207.90	458.65	95353.34
140	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per direction of Engineer-in-charge.	EA	126.00	1142.97	144014.22
150	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge. All kinds of soil	M3	216.96	142.91	31005.75
160	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	4.76	7080.55	33703.42
170	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling	M2	63.35	1361.31	86238.99

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	the joints with same mortar, with common burnt clay non modular bricks : 1:6 (1cement : 6 coarse sand)				
180	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 : 1.5coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	53.06	8268.35	438718.65
190	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete	M2	242.52	278.69	67587.90
200	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	M2	242.52	278.43	67524.84
210	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1cement : 3 coarse sand), finished with a floating coat of neat cement. :18 mm thick	M2	242.52	458.65	111231.80
220	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.	KG	9838.96	84.81	834442.20
SECTION F: 2 NOS SECURITY HUT					
10	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge. All kinds of soil	M3	12.61	142.91	1802.1
20	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	M3	7.57	121.88	922.63
30	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing	M3	5.18	1901.7	9850.81

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	complete.				
40	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks : 1:6 (1cement : 6 coarse sand)	M2	29.4	1361.31	40022.51
50	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	2.51	7080.55	17772.18
60	Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources).	M2	6.13	444.67	2725.83
70	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturers specification. (Unit: per bag of 50kg cement used)	BAG	0.91	14.82	13.49
80	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.: in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the	M3	4.22	8629.68	36417.25

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	mix or bear the cost of extra cement. All works upto plinth level : Concrete of M25 grade with minimum cement content of 330 kg /cum				
90	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.: in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works above plinth level upto floor V level : Concrete of M25 grade with minimum cement content of 330 kg /cum	M3	5.69	8920.06	50755.14
100	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete	M2	13.12	278.69	3656.41
110	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers	M2	33.84	509.09	17227.61
120	Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts	M2	21	661.99	13901.79
130	Centering and shuttering including strutting, propping etc. and removal of form for Edges of slabs and breaks in floors and walls : Under 20 cm wide	M	3.57	148.4	529.79
140	Centering and shuttering including strutting, propping etc. and removal of	M2	17.67	711.33	12569.2

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	form for : Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm thick				
150	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)	M3	3.72	11142.95	41451.77
160	Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry with 150 mm to 300 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).	M3	3.09	6163.33	19044.69
170	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	M2	73.83	241.41	17823.3
180	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. : 18 mm thick	M2	9	458.65	4127.85
190	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. : Double charge vitrified tile polished finish : Size of Tile 800 x 800 mm.	M2	13.68	1187.54	16245.55
200	Steel reinforcement for R.C.C. work including straightening, cutting,	KG	1,441.07	84.81	1,22,217.15

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	bending, placing in position and binding all complete upto plinth level. : Thermo-Mechanically Treated bars of grade Fe-500D or more.				
210	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	KG	91.08	603.75	54989.55
220	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.	M2	165.66	111.94	18543.98
230	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour : New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	M2	165.66	121.82	20180.7
240	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	M2	13.44	112.32	1509.58
250	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and	M2	20	628.4	12568

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.				
260	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/Lindane emulsifiable concentrate of 20%	L	10	191.84	1918.4
270	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion): Along external wall where the apron is not provided using chemical emulsion @7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete: With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	M	57.6	24.88	1433.09
GROUP B: ANNEX BUILDING (G+1)					
SECTION A: CIVIL WORK EXCLUDING PLUMBING					
10	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	M3	45.35	2194.84	99535.99
20	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50metres lead as per direction of Engineer-in-charge. : In cement mortar	M3	22.68	1272.27	28855.08
30	Dismantling wood work in frames, trusses, purlins and rafters up to 10metres span and 5 metres height including stacking the material within 50 metres lead : Of sectional area 40 square centimetres and above	M3	6.80	2836.84	19290.51
40	Dismantling roofing including ridges, hips, valleys and gutters etc, and stacking the material within 50 metres lead of : G.S. Sheet	M2	302.36	104.11	31478.70
50	Dismantling roofing including ridges, hips, valleys and gutters etc, and stacking the material within 50 metres lead of : Asbestos Cement sheet	M2	25.00	48.80	1220.00
60	Dismantling steel work in single sections including dismembering and	KG	2392.50	1.47	3516.98

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	stacking within 50 metres lead in : Channels, angles, tees and flats				
70	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	KG	20.00	3.61	72.20
80	Dismantling expanded metal or I.R.C. fabrics with necessary battens and beading including stacking the serviceable material within 50 metres lead.	M2	65.34	47.39	3096.46
90	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	M2	60.47	35.88	2169.66
100	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge : 15 mm to 40 mm nominal bore	M	35.00	94.71	3314.85
110	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer- in-charge.	M2	10.00	35.89	358.90
120	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	M3	67.20	215.52	14482.94
130	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	EA	15.00	233.27	3499.05
140	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials	M	30.00	54.89	1646.70

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	near the site within 50 m lead and disposal of unserviceable materials into municipal dumps : 100 mm diameter				
150	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15cm deep and disposal of rubbish, lead up to 50m and lift up to 1.5m All kinds of soil	M2	560.00	21.05	11788.00
160	Clearing jungle including uprooting of rank vegetation, grass, brushwood, trees and saplings of girth up to 30 cm measured at a height of 1m above ground level and removal of rubbish up to a distance of 50m outside the periphery of the area cleared.	M2	560.00	10.85	6076.00
170	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 30 cm girth upto and including 60cm girth	EA	8.00	330.10	2640.80
180	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 60 cm girth upto and including 120cm girth	EA	2.00	1467.42	2934.84
190	Hydraulic Excavator (3D) with driver and fuel	DAY	6.00	7850.00	47100.00
200	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge. All kinds of soil	M3	374.88	142.91	53574.10
210	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	M3	262.42	121.88	31983.75

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
220	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	M3	446.13	1901.70	848405.42
230	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks : 1:6 (1 cement : 6 coarse sand)	M2	647.10	1361.31	880903.70
240	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	43.53	7080.55	308216.34
250	Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources).	M2	83.62	444.67	37183.31
260	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturers specification. (Unit: per bag of 50kg cement used)	BAG	27.51	14.82	407.70
270	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland / Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.: in design mix shall be payable separately. In case the cement content in design mix is more than	M3	101.16	8629.68	872978.43

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	110%of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.All works upto plinth level : Concrete of M25 grade with minimum cement content of 330 kg /cum				
280	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.: in design mix shall be payable separately. In case the cement content in design mix is more than 110%of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works above plinth level upto floor V level : Concrete of M25 grade with minimum cement content of 330 kg /cum	M3	198.06	8920.06	1766707.08
290	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete	M2	403.56	278.69	112468.14
300	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers	M2	458.62	509.09	233478.86
310	Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts	M2	360.14	661.99	238409.08
320	Centering and shuttering including strutting, propping etc. and removal of form for : Stairs, (excluding landings)	M2	115.14	532.01	61255.63

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	except spiral-staircases				
330	Centering and shuttering including strutting, propping etc. and removal of form for Edges of slabs and breaks in floors and walls : Under 20 cm wide	M	136.83	148.40	20305.57
340	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm thick	M2	884.52	711.33	629185.61
350	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in : Cement mortar 1:4 (1cement : 4 coarse sand)	M3	70.70	11142.95	787806.57
360	Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry with 150 mm to 300 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).	M3	143.50	6163.33	884437.86
390	Providing and laying Vitrified tiles in floor in different sizes(thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry@3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. : Double charge vitrified tile polished finish : Size of Tile 600 x 600 mm.	M2	208.11	1121.23	233339.18
400	Providing and laying Vitrified tiles in floor in different sizes(thickness to be	M2	94.85	1130.39	107217.49

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry@3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. : Glazed Vitrified tiles Matt/Antiskid finish : Size of Tile 600 x 600 mm.				
410	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	M2	200.96	1446.31	290650.46
420	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	M2	17.56	1662.38	29191.39
430	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge : Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	M2	150.99	2457.17	371008.10

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
440	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc.complete as per design approved by Engineer-in-Charge. : Granite work	M	72.00	343.99	24767.28
450	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	M	4.00	395.89	1583.56
460	Extra for providing opening of required size & shape for wash basin/kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc.complete.	EA	2.00	661.51	1323.02
470	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/ Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade),calcium carbonate and natural fibers (wood powder/ rice husk/ wheathusk) and non toxic additives (maximum toxicity index of 12 for 100 gms)fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face)& 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S holdfast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dashfasteners shall be paid for separately). dimensions i.e depth and width of profile shall be acceptable.	M	59.64	1101.79	65710.76

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	Variation in profile dimensions on plusside shall be acceptable but no extra payment on this account shall be made. : Frame size 65 x 125 mm				
480	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel but hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately) : 35 mm thick	M2	25.31	4392.20	111166.58
490	CONSTRUCTION OF 150MM (CONSOLIDATED) GRANULAR SUB-BASE consolidated by dry rolling to proper grade including providing well compacted berms with earth on either side 1.2m wide levelled with finished road surface, dressing sub-grade including cutting surface upto 75mm deep to required level and as per clause 401. (Road roller supplied by contractor).	M2	110.16	125.06	13776.61
500	CONSTRUCTION OF WATER BOUND MACADAM base course 100mm thick (Wearing course) and Surfacing Course (sealing coat) with loose hand broken metal of size 63mm and graded down to 45mm rolled dry to proper	M2	110.16	151.97	16741.02

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	compaction, grade and camber and wet rolling after placing bindage of loamy earth and finally sealing the compacted surface with a 25mm thick layer of sand shingles (Ref. to MoRTH Spec.404) and as directed as applied over new consolidated surface. (Road roller supplied by contractor).				
510	Supply of approved quality granular materials from approved quarry, free from organic matter including stacking in measurable stacks as directed.	M3	19.28	1471.43	28369.17
520	Supply of Hand broken hard stone metal from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters(63mm to 45mm graded)	M3	13.77	2433.93	33515.22
530	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. : 80 mm thick C.C. paver block of M-35 grade with approved colour design and pattern.	M2	110.16	857.94	94510.67
540	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size	M2	3.24	7861.18	25470.22

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamidePA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design ap				
550	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamidePA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash	M2	48.60	8073.26	392360.44

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	& mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design ap				
560	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamidePA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of	M2	0.54	10778.00	5820.12

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design ap				
570	Float glass panes of nominal thickness 5mm (weight not less than 12.50kg/sqm)	M2	50.36	529.00	26640.44
580	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.	KG	40678.60	84.81	3449952.07
590	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. : Fixed to openings /wooden frames with rawl plugs screws etc.	KG	1496.44	175.60	262774.86
600	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers,handles, including applying a priming coat of approved steel primer.	M2	13.52	8150.07	110188.95
610	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing,polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners ,stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	KG	281.58	603.75	170003.93
620	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth	M2	2514.51	111.94	281474.25

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	complete.				
630	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	M2	774.76	112.32	87021.04
640	Wall painting with premium acrylic emulsion paint of interior grade,having VOC (Volatile Organic Compound) content less than 50 grams/litre of approved brand and manufacture, including applying additionalcoats wherever required to achieve even shade and colour. : Two coats	M2	1739.74	94.90	165101.33
650	Applying priming coats with primer of approved brand and manufacture,having low VOC (Volatile Organic Compound) content. : With water thinnable cement primer on wall surface having VOC content less than 50grams/litre	M2	2514.51	48.49	121928.59
660	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied@0.75 ltr/10 sqm of approved brand and manufacture	M2	26.06	125.10	3260.11
670	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied@ 0.80 ltr/10 sqm of approved brand and manufacture	M2	36.67	120.57	4421.30
680	Providing and fixing bright finished brass butt hinges with necessary screws etc. complete : 125x85x5.5 mm (heavy type)	EA	33.00	215.37	7107.21
690	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete : 250x10 mm	EA	22.00	359.19	7902.18
700	Providing and fixing bright finished	EA	11.00	570.33	6273.63

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	brass 100 mm mortice latch with one dead bolt and a pair of lever handles of approved quality with necessary screws etc. complete.				
710	Providing and fixing bright finished brass handles with screws etc. complete : 125 mm	EA	22.00	208.73	4592.06
720	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	EA	11.00	899.08	9889.88
730	Providing and fixing aluminium sliding door bolts, ISI marked anodised(anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete: 300x16 mm	EA	11.00	240.86	2649.46
740	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	M2	89.93	628.40	56512.01
750	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyrifos/Lindane emulsifiable concentrate of 20%	L	50.36	191.84	9661.06
760	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion): Along the external wall below concrete or masonry apron using chemical emulsion @2.25 litres per linear metre including drilling and plugging holes etc.: With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	M	85.65	35.29	3022.59
380	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1cement : 3 coarse sand), finished with a floating coat of neat cement. :18 mm thick	M2	102.78	458.65	47140.05

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
370	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	M2	2514.51	241.41	607027.86
770	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 @ 0.253kg/ 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.	M2	22.48	424.62	9545.46
780	Water proofing treatment of RCC sunshade with Zycosil/equivalent waterproofing Solution (1 litre of Zycosil/equivalent & 20 litres of waterstirred first & 2 litres of Zycoprime/equivalent added and stirred(total 23 litres)) till it meets the saturation level and testing as per RILEM or by water drops test in which water drops do not absorb but drops remain or rolls.	M2	516.89	99.33	51342.68
790	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75 mm size cube crushing strength at the end of 28days to be not less than 30 N/Sqmm2). : 50 mm average thickness in 3layers.	M2	516.89	854.67	441770.38
800	Grading roof for water proofing	M3	25.84	7630.08	197161.27

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	treatment with : Cement concrete 1:2:4(1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)				
810	Grading roof for water proofing treatment with : Cement mortar 1:3 (1cement : 3 coarse sand)	M3	20.68	11588.93	239659.07
820	Providing and applying fibre reinforced elastomeric liquid waterproofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats@10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer- in-Charge.	M2	516.89	432.82	223720.33
830	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. deduction for scaffolding in the existing item to be done.	M2	597.11	239.59	143061.58
SECTION B: WATER SUPPLY, SANITARY & SEPTIC TANK					

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
10	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	EA	3.00	11767.41	35302.23
20	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	EA	3.00	2162.64	6487.92
30	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	EA	3.00	1374.35	4123.05
40	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	EA	3.00	6342.63	19027.89
50	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 with drain board : 510x1040 mm bowl depth 250 mm	EA	1.00	5388.79	5388.79
60	Providing and fixing PTMT soap Dish Holder having length of 138 mm, breadth 102 mm, height of 75 mm with concealed fitting arrangements, weighing not less than 106 gms.	EA	7.00	91.00	637.00
70	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the	EA	7.00	137.46	962.22

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	same materials with snap fittings of approved quality and colour, weighing ot less than 105 gms.				
80	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	EA	7.00	189.37	1325.59
90	Providing and fixing toilet paper holder : C.P. brass	M	3.00	599.12	1797.36
100	Providing and fixing PTMT Bottle Trap for Wash basin and sink. : Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	EA	3.00	299.71	899.13
110	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain &brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work : 100 mm nominal dia Pipes	M	50.00	2612.43	130621.50
120	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 100 mm dia : Sandcast iron S&S as per IS - 3989	EA	10.00	575.75	5757.50
130	Providing and fixing soil, waste and vent pipes : 100 mm dia : Sand cast iron S&S pipe as per IS: 1729	EA	4.00	924.88	3699.52
140	Providing and fixing PTMT grating of approved quality and colour. Circular type : 100 mm nominal dia	EA	5.00	30.71	153.55
150	Providing and fixing on wall face unplasticised Rigid PVC rain waterpipes conforming to IS : 13592 Type A, including jointing with seal ringconforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i)Single socketed pipes. : 110 mm diameter	M	138.00	283.73	39154.74
160	Providing and fixing on wall face unplasticised - PVC moulded	EA	10.00	191.16	1911.60

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion. Single tee with door :110x110x110 mm				
170	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion. Single tee without door :110x110x110 mm	EA	8.00	180.71	1445.68
180	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion. Bend 87.5° : 110 mm bend	EA	15.00	122.76	1841.40
190	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion. Shoe (Plain) : 110 mm Shoe	EA	8.00	107.66	861.28
200	Providing and fixing unplasticised - PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard woodplugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. : 110 mm	EA	10.00	249.93	2499.30
210	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	EA	8.00	44.64	357.12
220	Providing and fixing PTMT grating of approved quality and colour. Circular type : 100 mm nominal dia	EA	2.00	30.71	61.42
230	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic	M	3.00	1576.21	4728.63

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm				
240	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 100x100 mm size P type : With Sewer bricks conforming to IS :4885	EA	2.00	2938.37	5876.74
250	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarses and) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 455x610 mm and 45 cm deep for single pipe line : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	EA	3.00	6877.84	20633.52
260	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	EA	1.00	25769.64	25769.64
270	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in -	EA	3.00	285.05	855.15

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	charge.				
280	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work : 15 mm nominal dia Pipes	M	80.00	167.76	13420.80
290	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work : 25 mm nominal dia Pipes	M	20.00	255.72	5114.40
300	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work : 50 mm nominal dia Pipes	M	40.00	611.80	24472.00
310	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. : 15 mm nominal bore	EA	5.00	670.06	3350.30
320	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	EA	4.00	652.28	2609.12
330	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. : 15 mm nominal bore	EA	10.00	547.37	5473.70
340	Providing and fixing gun metal non-return valve of approved quality(screwed end) : 50 mm nominal	EA	3.00	1119.50	3358.50

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	bore : Horizontal				
350	Providing and fixing gun metal non-return valve of approved quality(screwed end) : 50 mm nominal bore : Vertical	EA	3.00	1179.90	3539.70
360	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS: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.(Unit: per litre)	L	1000.00	8.97	8970.00
370	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge. All kinds of soil	M3	16.56	142.91	2366.59
380	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	0.83	7080.55	5876.86
390	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 : 1.5coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	3.04	8268.35	25135.78
400	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks : 1:6 (1cement : 6 coarse sand)	M2	11.04	1361.31	15028.86
410	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in : Cement mortar 1:4	M3	4.35	11142.95	48471.83

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	(1cement : 4 coarse sand)				
420	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. : Cement mortar 1:4 (1 cement :4 coarse sand)	M2	4.50	1452.35	6535.58
430	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete	M2	9.62	278.69	2681.00
440	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	M2	97.02	278.43	27013.28
450	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1cement : 3 coarse sand), finished with a floating coat of neat cement. :18 mm thick	M2	48.51	458.65	22249.11
460	52 mm thick cement concrete flooring with concrete hardener topping,under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @2 litre per 50 kg of cement or as per manufacturer's specifications.This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	M2	6.00	749.86	4499.16
470	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.	KG	216.08	84.81	18325.74
SECTION C: INTERNAL ELECTRICAL WORKS					
10	Supplying and fixing of following ways surface/ recess mounting,vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper busbar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally	EA	1.00	10865.56	10865.56

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	used where 3 phase outlets are required.) 8 way (4 + 24),Double door				
20	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess,complete with tinned copper bus bar, neutral bus bar, earth bar, dinbar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)8 way (4 + 24), Double door	EA	2.00	6420.65	12841.30
30	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts,10kA "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	EA	48.00	288.76	13860.48
40	Supplying and fixing 63 A rating, 240/415 V, 10 kA, "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. Triple Pole	NO	8.00	1854.53	14836.24
50	Supplying and fixing of Residual current operated Circuit Breaker with Overcurrent protection (RCBO) Four Pole 415 V 63 Amps 30mA in existing distribution board.	NO	2.00	4181.78	8363.56
60	Supplying and fixing of Molded case circuit breaker(MCCB) Four Pole 415V 125 Amps ,Thermal Magnetic type Icu=16 kA with O\L, S\C, G\Fprotection in existing distribution board as required.125 A	EA	1.00	5648.76	5648.76
70	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	EA	10.00	14.18	141.80
80	Supplying, providing and constructing GI Pipe Earth electrodes as PerIS:3043; GI Pipe Medium Class 'B' 65 mm Dia; 3000 mm long complete withEarth Pit and all necessary materials including excavation of Earth Pit,filling with homogeneous layer of Charcoal and salt, Back filling, providing necessary Brick Masonry work, Plastering, MS/CI cover;	NO	2.00	9563.01	19126.02

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	Testlinks for connecting the earth Grid and Earth Electrode etc.This also includes testing of Earth resistance after completion as per Indian Electricity Rules. Minimum depth of burial shall be 3000 mm, homogenouslyhygroscopic material should not be less than 1 cum.& should cover 300 mm around the electrode up to a height of 2500 mm. The scope of work alsoincludes providing earth pit markers indicating resistance, test date,next due date etc.as per std. earthpit boards on GI plate of size @ 300x300 mmx 2mm thick with a GI hollow section stand of of 25 mm square &length @ 1m; grouted in PCC 1:4:8 at a depth of @300 mm below the groundlevel and the top of plate should be @ 700 mm above the ground level.				
90	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/termination with GI thimble etc. as required.	M	50.00	62.82	3141.00
100	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I.nut, bolt, spring, washer etc. as required. (Jointing shall be done byover lapping and with 2 sets of G.I. nut bolt & spring washer spaced at50mm)	M	70.00	162.11	11347.70
110	Supply, installation and connection of following 50 x 6 mm GI earthing strip including welding at Jointings, providing anti-corrosive paint or bitumen and jute covering for welded portion, clamping and necessary hardware for connecting, etc., including all labour and materials, as per approved drawings, specifications of this tender and directions of EIC.	M	20.00	459.95	9199.00
120	Supply of 1.1 kV grade XLPE insulated core laid up PVC tape innersheathed armoured aluminium cable of following rating, Confirming to IS : 7098 (Part-I), IS:8130-1984, IS:10810-1984, IS:10418-1982. 3.5C x 70 sq mm armoured cable.	M	150.00	491.70	73755.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
130	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, sand cushioning, protective covering and refilling the trench etc as required Above 35 sq. mm and upto 95 sq. m	M	150.00	481.27	72190.50
140	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.3½ X 70 sq.mm (38mm)	EA	2.00	549.15	1098.30
150	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 ame in case of recessed conduit as required.20 mm	M	200.00	152.99	30598.00
160	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 ame in case of recessed conduit as required.25 mm	M	200.00	170.22	34044.00
170	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 ame in case of recessed conduit as required.32 mm	M	100.00	211.76	21176.00
180	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated 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. FRLS PVC insulated copper conductor single core cable etc. as required.Group B	P	20.00	1379.98	27599.60
190	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated 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. FRLS PVC insulated copper conductor single core cable etc. as required. Group C	P	45.00	1726.49	77692.05

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
200	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium classPVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required	P	5.00	1826.80	9134.00
210	Wiring for group controlled (looped) light point/fan point/exhaust fanpoint/ call bell point (without independent switch etc.) with 1.5 sq. mmFRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVCinsulated copper conductor single core cable etc. as required. Group B	P	50.00	896.68	44834.00
220	Wiring for group controlled (looped) light point/fan point/exhaust fanpoint/ call bell point (without independent switch etc.) with 1.5 sq. mmFRLS 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	P	10.00	1007.12	10071.20
230	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copperconductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductorsingle core cable for loop earthing as required.	M	300.00	377.92	113376.00
240	Wiring for circuit/ submain wiring alongwith earth wire with thefollowing sizes of FRLS PVC insulated copper conductor, single corecable in surface/ recessed PVC conduit as required.2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	M	200.00	270.52	54104.00
250	Wiring for circuit/ submain wiring alongwith earth wire with thefollowing sizes of FRLS PVC insulated copper conductor, single corecable in surface/ recessed PVC conduit as required.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth	M	500.00	315.11	157555.00

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	wire				
260	Wiring for circuit/ submain wiring alongwith earth wire with thefollowing sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required.4 X 16 sq. mm + 2 X 6 sq. mm earth wire	M	70.00	1783.23	124826.10
270	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulatedannealed copper conductor, unarmored telephone cable in the existingsurface/ recessed steel/ PVC conduit as required.5 Pair	M	200.00	87.11	17422.00
280	Supply and fixing of Telephone outlet (RJ11) as required with completeaccessories as directed by EIC	NO	10.00	98.73	987.30
290	Supply of 50Pair Telephone Junction Box(JB) with original Kroneconnector Thermoplastic Polycarbonate Body & Transparent Cover UVResistant in accordance with IEC 61439-1, Clause no 10.2.4,ChemicalResistant, Corrosion proof, halogen & silicone free, Colour – PerforatedCoated self-finish, Grey Colour RAL-7035 IP:IP66 conforming to IEC60529for Indoor & outdoor installation Impact strength:IK 08(5 Joule) inaccordance with DIN EN 50 102	NO	1.00	6233.39	6233.39
300	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	EA	5.00	113.48	567.40
310	Supplying and fixing suitable size GI box with modular plate and coverin front on surface or in recess, including providing and fixing 6 pin5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc.as required	EA	10.00	667.70	6677.00
320	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providng and fixing 2 nos.3pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch,connections etc. as required. (For light plugs to be used in nonresidential buildings).	EA	30.00	766.99	23009.70
330	Supplying and fixing following size/ modules, GI box along with modularbase & cover plate for modular	EA	20.00	358.67	7173.40

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	switches in recess etc as required. 1 or2 Module (75mmX75mm)				
340	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 A switch	EA	6.00	178.32	1069.92
350	Supply , Installation, testing and commissioning of 1200 mm sweep, BEE5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor,class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos.canopies, shackle kit, safety rope, copper winding, Hexagonal GI box forholding of fan Power Factor not less than 0.9, Service Value (CMM/W)minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), THD less than 10%, electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc.complete as required	NO	12.00	2920.04	35040.48
360	Supply of ISI marked 300 mm sweep, 230 Volt AC Ring mounted Exhaust Fan including wire guard, louvers etc.	NO	5.00	2516.59	12582.95
370	Installation of exhaust fan in the existing opening, including making good the damage,connection, testing, commissioning etc. as required.(Upto 450 mm sweep)	NO	5.00	563.34	2816.70
380	Supply , Installation, testing and commissioning of Cool day whitesurface mounted circle luminarie min output Lumen shall be 1500 lumen,5700 K Cool day white surface mounted circle luminarie with completeaccessories as directed by the E-I-C	NO	65.00	2090.70	135895.50
390	Supply, Installation, Testing & Commissioning of Decorative bulk headLED luminaries IP 65 rating with 2000 min lumen output , 3000 to 4500 Kcolour temperature, with complete accessories as directed by the E-I-C	NO	10.00	1204.09	12040.90

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
400	Supply, Installation, Testing & Commissioning of BIS Approved LED square luminaries IP 55 with 3000 min lumen output , 4500 to 5700 K colour temperature, with complete accessories as directed by the OIL(for entry double height area)	NO	12.00	7785.92	93431.04
410	Supply of 1.1 kV grade PVC insulated PVC tape inner sheathed armoured 4 core copper cable of size 2.5 sq mm Confirming to IS : 7098 (Part-I), IS:8130-1984, IS:10810-1984, IS:10418-1982. 4C x 2.5 sq mm armoured Cu cable.	M	300.00	135.64	40692.00
420	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required. Upto 35 sq. mm (clamped with 1 mm thick saddle)	M	300.00	53.70	16110.00
SECTION D: DRAIN					
10	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge. All kinds of soil	M3	53.61	142.91	7661.41
20	Excavating, supplying, stacking and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20cm in foundation trenches, plinth, sides of foundation etc. complete for all lift.	M3	9.57	495.53	4742.22
30	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	5.11	7080.55	36181.61
40	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : cement mortar 1:4(1	M2	102.12	1315.05	134292.91

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	cement : 4 coarse sand)				
50	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1cement : 3 coarse sand), finished with a floating coat of neat cement. :18 mm thick	M2	140.42	458.65	64403.63
60	Providing and fixing factory made precast RCC perforated drain covers,having concrete of strength not less than M-25, of size 1000 x 450x50mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @100 to 125 mm c/c, including providing edge binding with M.S. flats ofsize 50 mm x 1.6 mm complete, all as per direction ofEngineer-in-charge.	EA	85.10	1142.97	97266.75
GROUP C:BOUNDARY WALL					
SECTIONA:BOUNDARY WALL					
10	Clearing jungle including uprooting of rank vegetation, grass, brushwood, trees and saplings of girth up to 30 cm measured at a height of 1m above ground level and removal of rubbish up to a distance of 50moutside the periphery of the area cleared.	M2	1200.00	10.85	13020.00
20	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 30 cm girth upto and including 60cm girth	EA	8.00	330.10	2640.80
30	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 60 cm girth upto and including 120cm girth	EA	4.00	1467.42	5869.68
40	Cutting / pruning / trimming of tree branches and stacking at site within 30 m or as directed.	M3	51.00	161.45	8233.95
50	Collecting / excavating sand, soil, silt, ordinary earth from any source, load into lorries, transport it to distant place of work including procuring earth and laying in layer of 150mm	M3	80.00	499.79	39983.20

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	thickness and compacting, profile properly made for taking measurement, including all measurable lead upto 30m and lift as required. (The contractor shall be responsible for all formalities of supply of earth such as purchase of land including royalties, monopoly / other statutory taxes as required from any distance.) (FOR TENDER, ROYALTY EXCLUDED)				
60	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead.	KG	46.50	22.74	1057.41
70	Dismantling expanded metal or I.R.C. fabrics with necessary battens and beading including stacking the serviceable material within 50 metres lead.	M2	465.00	47.39	22036.35
80	Dismantling and stacking within 50 metres lead, fencing posts or struts including all earth work and dismantling of concrete etc. in base of :T' or 'L' iron or pipe	EA	12.00	152.13	1825.56
90	Dismantling and stacking within 50 metres lead, fencing posts or struts including all earth work and dismantling of concrete etc. in base of :R.C.C.	EA	6.00	165.84	995.04
100	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	KG	2290.50	2.44	5588.82
110	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50metres lead as per direction of Engineer-in-charge. : In cement mortar	M3	12.61	1272.27	16043.32
120	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	M3	8.51	2194.84	18678.09
130	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains (not	M3	452.20	210.51	95192.62

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil.				
140	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to50 and for all lift.	M3	226.10	121.88	27557.07
150	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	M3	80.00	1901.70	152136.00
160	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15cm deep and disposal of rubbish, lead up to50m and lift up to 1.5m All kinds of soil	M2	1200.00	21.05	25260.00
170	Brick on edge flooring with bricks of class designation 7.5 on a bed of12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks : 1:6 (1cement : 6 coarse sand)	M2	480.16	1361.31	653646.61
180	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	36.03	7080.55	255112.22
190	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 : 1.5coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	47.73	8268.35	394648.35
200	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth	M3	39.87	9414.79	375367.68

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarses and(zone-III) derived from natural sources: 3 graded stone aggregate20 mm nominal size derived from natural sources)				
210	Centering and shuttering including strutting, propping etc. and removal of form for: Foundations, footings, bases of columns, etc. for mass concrete	M2	194.72	278.69	54266.52
220	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers	M2	52.94	509.09	26951.22
230	Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts	M2	612.45	661.99	405435.78
240	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.	KG	10095.78	84.81	856223.10
250	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in : Cement mortar 1:4 (1cement : 4 coarse sand)	M3	19.77	11142.95	220296.12
260	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. : In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	KG	36031.77	129.53	4667195.17
270	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	M2	114.77	241.41	27706.63
280	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	M2	95.52	278.43	26595.63
290	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	M2	222.71	79.84	17781.17
300	Painting with synthetic enamel paint of approved brand and manufacture to	M2	66.00	105.59	6968.94

SL NO	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	give an even shade : Two or more coats on new work				
310	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	M	191.04	51.59	9855.75
320	Hire charges of Pump set of capacity 4000 litres/hour	DAY	15.00	807.62	12114.30
330	Hessian cloth	M2	1200.00	38.36	46032.00
340	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	M3	21.12	215.52	4551.78
350	Lettering with black Japan paint of approved brand and manufacture. (Unit: per letter per cm height)	PLC	2400.00	3.97	9528.00
TOTAL EXECUTION COST, X					145374009.74
GROUP D: Forest Royalty & BOCW CESS					
10	Forest Royalty as applicable on the execution cost. Additional 10% cess on forest royalties for MMDRRF. Additional 10% cess on forest royalties for DMFT, Y	EA	3488969.85	1.00	3488969.85
20	BOCW CESS, Z	EA	1453737.44	1.00	1453737.44
TOTAL ESTIMATED COST(X+Y+Z) (IN RUPEES)					15,03,16,717.03

Note:

- a) Bidder must quote overall price within the range of “At Par” to “+10%” of Company’s Internal Estimate.
- b) Bidder must include all impale plant, labour, supervision, materials, erection of display board, sign/caution board, insurance, profit, taxes and duties, together with all general risks, liabilities in their quoted rates excluding PF and GST.
- c) Forest Royalty is to be calculated and paid as per the “Third Schedule” of Notification No. PEM 130/2021/40 dated 7th October 2021 & other ancillary charges as per Notification No. PEM 130/2021/55 dated 16th December 2021.