

OIL INDIA LIMITED
(A Government of India Enterprise)
CONTRACTS DEPARTMENT
P.O. DULIAJAN – 786602, ASSAM

CORRIGENDUM-1

IFB NO. CDC9518L22

This Corrigendum No. 1 dated 10.02.2022 to IFB No. CDC9518L22 for **“Construction of R.C.C. Civil Engineering Materials Godown inside the industrial premises of Nagajan FGGS 336 of Oil India Limited Duliajan under Dibrugarh District Assam including supply of all materials except O.P. Cement”** is issued to notify the following:

Revised PART-II SOQ against the tender has been uploaded under “Amendments” folder in OIL’s e-tender portal due to typographical errors in previous SOQ. Bidders are advised to take the revised Part-II SOQ into account and participate in the tender.

All others terms and conditions of the Bid Document remain unchanged.

Sr. Officer – Contracts (Civil)

WORKS CONTRACT
SCHEDULE OF WORK, UNIT AND QUANTITY

SL. NO.	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
	GROUP A				
	SECTION A				
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for roadwork.) for Ordinary Soil by Manual Means (Depth upto 3 m).	M3	73.52	425.09	31252.62
2	Sand / silt filling in 150mm layers, consolidating each layer by ramming and watering in foundation, plinth etc. including carrying upto 30m. away and lift, if any, not exceeding 2m. (Supply of sand will be paid extra)	M3	157.24	173.77	27323.59
3	Laying Brick Flat Soling (75mm thick) including grading the base and spreading 25mm thick sand bed at bottom and grouting soling with cement mortar (prop. 13) and carrying all materials from a distance of upto 30.00m.	M2	275.35	151.22	41638.43
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth 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)	M3	16.61	4453.33	73969.81
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth 1:3:6 (1 Cement 3 coarse sand (zone-III) derived from natural sources 6 graded stone aggregate 40 mm nominal size derived from natural sources) cum 6670.254.1.6A 136 (1 Cement 3 manufactured)	M3	6.09	4436.42	27017.80
6	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level 1:1.5:3 (1 cement 1.5 coarse sand (zone-III) derived from natural sources 3 graded stone aggregate 20 mm nominal size derived from natural sources)	M3	28.48	4670.12	133005.02
7	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, 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 coarse sand (zone-III) derived from natural sources)	M3	8.8	5783.12	50891.46
8	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering finishing and reinforcement with 1:1.5:3 (1 cement 1.5 coarse sand (zone-III) derived from natural sources 3 graded stone aggregate 20 mm nominal size derived from natural sources).	M3	54.94	6072.93	333646.77
9	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete.	M2	100.83	220.31	22213.86
10	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts.	M2	105.31	575.34	60589.06
11	Centering and shuttering including strutting, propping etc. and removal of form for Stairs, (excluding landings) except spiral-staircases	M2	15.67	495.21	7759.94
12	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	258.45	612.78	158372.99
13	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 1:3 (1 cement 3 coarse sand)	M2	413.56	1733.20	716782.19
14	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, brackets and cantilevers with water proof ply 12 mm thick	M2	140.28	510.26	71579.27

SL. NO.	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
15	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	9381.55	74.72	700989.42
16	Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in foundation and plinth in Cement mortar 14 (1 cement 4 coarse sand)	M3	37.38	7693.92	287598.73
17	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 14 (1 cement 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab over 0.50 sqm	M2	21.14	1506.33	31843.82
18	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	39.38	279.06	10989.38
19	Providing and fixing ISI marked flush door shutters conforming to IS 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	M2	13.23	1666.73	22050.84
20	Providing and fixing stainless steel cramps of required size and shape for anchoring stone wall lining to the backing or securing adjacent stonin stone wall lining in cement mortar 12 (1 cement 2 coarse sand), including making the necessary chases in stone and holes in walls wherever required.	KG	2.34	537.45	1257.63
21	Stone work (machine cut edges Veneer work) for wall lining upto 10 m height, backing filled with a grout of 12 mm thick cement mortar 13 (1Cement 3 coarse sand) and jointed with Cement mortar 12 (1 cement 2stone dust), including rubbing and polishing complete. (To be secure to the backing and the sides by means of cramps and pins which shall be paid for separately). Kota stone slabs exposed face dressed and rubbed.#5 mm thick	M2	9.72	2067.94	20100.38
22	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugsor with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Second class teak wood	M3	0.82	111916.70	91771.69
23	Providing and fixing M.S. grills of required pattern in frames of window 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	300	154.47	46341.00
24	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	879.11	9670.21
25	Providing and fixing aluminium tower bolts, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete 200x10 mm	EA	44	76.42	3362.48
26	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete 125mm	EA	22	50.97	1121.34
27	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. Twin rubber stopper	EA	11	53.46	588.06
28	Providing and fixing aluminium casement stays, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.	EA	40	54.08	2163.20

SL. NO.	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
29	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer in charge	M	19.8	344.42	6819.52
30	Providing and fixing factory made panel PVC door shutter consisting off rame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the pane 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick pre laminated PVC d	M2	6.3	2075.42	13075.15
31	Providing & Fixing decorative high pressure laminated sheet of plain /wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS 2046 Type S, including cost of adhesive of approved quality. 1.0 mm thick.	M2	26.46	735.78	19468.74
32	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conform into IS 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 14 (1 Cement 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	M2	10.35	657.20	6802.02
33	Providing and fixing factory made uPVC white colour casement/casement cum fixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fu welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finishe wall shall be filled with weather proof silicon sealant over backer rod required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass pane sand silicon sealant shall be paid separately). Variation in profiled mein higher side shall be accepted but no extra payment on this account shall be made. Note For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be accepted.	M2	17.13	8984.06	153896.95

SL. NO.	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
34	Providing and fixing factory made uPVC white colour casement/casement cum fixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's 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 required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass pane sand silicon sealant shall be paid separately). Variation in profiled main higher side shall be accepted but no extra payment on this account shall be made. Note For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be accepted.	M2	22.95	8282.27	190078.10
35	Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete.	EA	40	162.56	6502.40
36	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 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	200	502.92	100584.00
37	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of step sand dados, over 12 mm thick bed of cement mortar 13 (1 cement 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	M2	19.28	772.69	14897.46
38	Providing and laying vitrified floor tiles in different sizes (thickness specified by the manufacturer) with water absorption less than 0.08% and conforming to IS 15622, of approved make, in all colours and shades laid on 20mm thick cement mortar 14 (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., complete. Size of Tile 600x600 mm	M2	84.04	1074.78	90324.51
39	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 13 (1 cement 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 500x500 mm	M2	9.1	1051.17	9565.65
40	12 mm cement plaster of mix 14 (1 cement 4 fine sand)	M2	901.58	175.41	158146.15
41	6 mm cement plaster of mix 13 (1 cement 3 fine sand)	M2	414.75	152.55	63270.11
42	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	M2	1167.31	157.71	184096.46
43	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	M2	283.46	129.68	36759.09
44	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new work	M2	400	95.00	38000.00

SL. NO.	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
45	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats.	M2	670.02	88.33	59182.87
46	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 510x1040 mm bowl depth 250 mm.	EA	1	4750.14	4750.14
47	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 i/c for payment purpose .The payment will be made once irrespective of duration of scaffolding. Note – This item to be used for maintenance work judiciously, necessary deduction for scaffolding in the existing item to be done.	M2	270	189.02	51035.40
48	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under Joint strength in longitudinal and transverse direction at 23°C as 650/ 450N/ 5cm. Tear strength in longitudinal and transverse direction as 300/ 250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane 3 mm thick.	M2	258	447.98	115578.84
49	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	2737.54	8212.62
50	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia.	EA	3	90.59	271.77
51	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	EA	2	729.33	1458.66
52	Providing and fixing 100 mm sand cast Iron grating for gully trap.	EA	2	39.28	78.56
53	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing Rectangular shape 453x357mm	EA	1	889.21	889.21
54	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing Rectangular shape 1500x450 mm	EA	1	1460.67	1460.67
55	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	EA	2	447.10	894.20
56	Providing and fixing toilet paper holder C.P. brass	EA	2	557.86	1115.72
57	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 same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	EA	4	126.98	507.92

SL. NO.	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
58	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	2	177.70	355.40
59	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 in let from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	EA	2	5923.74	11847.48
60	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc. including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.	EA	2	13596.23	27192.46
61	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPV C-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. 20 mm nominal dia Pipe	M	90	397.76	35798.40
62	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	4	620.76	2483.04
63	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer.	M2	252	80.44	20270.88
64	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS8931. 15 mm nominal bore.	EA	10	516.33	5163.30
65	Constructing soak pit 1.20x1.20x1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	EA	1	6899.93	6899.93
66	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item) With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	M2	40.08	1069.27	42856.34
67	Polyethylene Water Storage Tank	L	2000	6.10	12200.00
68	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 110 mm dia.	M	150	130.00	19500.00
69	uPVC coupler for UPVC drainage pipes 110 mm	NO	20	39.00	780.00
70	uPVC single equal Tee (with door) 110x110x110 mm	NO	3	92.00	276.00
71	UPVC bend 87.5° 110 mm bend	NO	12	59.00	708.00
72	UPVC pipe clip 110 mm bend	NO	40	14.00	560.00
73	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer in charge (Note- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).	M3	11.8	5709.43	67371.27
74	Steel work in built up tubular (round, square or rectangular hollow tube 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 welded type tubes.	KG	1500	101.46	152190.00

SL. NO.	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
75	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	M2	94.7	724.45	68605.42
76	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement 3 coarse sand), including making joints with or without grooves (thickness of joint except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	M3	1.75	7241.89	12673.31
77	Deduct for using of M-20 grade concrete instead of M-25 grade concrete in C.C. pavement.	M3	11.8	-9.12	-107.62
78	Supplying and fixing Heavy Duty Industrial use Motorised Rolling Shutter of approved make and made of required size Galvanised Iron (GI) slats (1.1-1.2 mm thick, 75-100 mm effective width), interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides, bottom bar and arrangements for inside and outside locking with push-pull operation complete including cost of wire, spring and hood cover for the shutters. The shutter must be operable by both Chain Drive (mechanical) and Motor Drive (electrical) facilities. The Industrial Electric Motor for Rolling Shutter Operation is of capacity 500 Kg and 1100 power wattage, running in 220 V AC. The entire job/ Parts/Equipment etc. before execution shall be approved by concerned Engineers in charge of OIL and to be carried out under his/her direction/supervision.	M2	22.5	11831.63	266211.68
79	(i) Surface Preparation - Surface should be so prepared that all laitance and surface contamination should be removed by mechanical means such as shot blasting or grinding to expose the coarse aggregate. After surface preparation, all loose debris and dirt should be removed by vacuum. Heavy oil or grease deposits should be removed either mechanically, or by steam cleaning, or by biological treatment. (ii) Polyurethane Flooring - Supplying and applying cementitious polyurethane floor topping to achieve an overall thickness of 4.0 mm, after mixing all the component using a rotary paddle mixer. Polyurethane Flooring should be applied at 3mm thickness over a scratch coat of 1mm to the designated area and shall have smooth matt finish. The cured Floor topping shall exhibit the Compressive Strength (ASTM C109) 28 days at 50.8 MPa, Tensile Strength (BS6319-7) 6.8 MPa, Flexural Strength (BS6319-3) 17.9 MPa, Slip Resistance (ASTM E30) Dry, S56/ S96-22/32 (moderate slip risk), Impact Resistance (ASTM D2794) for 3mm thickness 8.1 Joules and high resistance to damage cost inclusive of supply, application, labour, equipment etc. as directed by the Engineer in Charge.	M2	120.56	1822.03	219663.94
80	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel roving incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2 mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified	M2	45.2	982.37	44403.12
	SECTION B				
1	Supply of Full size jhama Bricks (slightly over burnt not badly out of shape)	NO	10325.63	10.05	103772.58
2	Supply of Sand for general use with normal moisture content to be clean and free from clay rubbish	M3	164.12	1130.45	185529.45
	SECTION C				
1	Carriage of material by manual labour including loading, unloading and stacking for first 50 m Steel	TON	20	171.24	3424.80

SL. NO.	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
2	Carriage of material by mechanical transport including loading unloading and stacking Cement, stone blocks, G.I., C.I., A.C. & C.C. pipes below 100 mm dia and other heavy materials Beyond 4KM and Upto5KM	TON	50	125.59	6279.50
3	Extra on Carriage of material by mechanical transport including loading unloading and stacking Cement, stone blocks, G.I., C.I., A.C. & C.C. pipes below 100 mm dia and other heavy materials on every additional KM Beyond 5KM and Upto 10KM	TPM	250	9.89	2472.50
	GROUP B				
	SECTION A				
1	3 phase 12 way TPN MCB DB Supply and installation of 3 phase 12 way TPN prewired MCB DB with double door of following specification DB shall be as per IS 8623, Suitable for Flush mounting or surface mounting application with minimum 63 A copper bus bar for each phase with neutral bar, earth bar and cable ties for cable management, busbar and neutral bar. DB shall have proper arrangement for door earthing and corner shields for better protection, Pan assembly for ease of installation masking sheet, complete with four pole RCBO (63A, 300mA) as incomer and 3 phase & single phase MCBs as outgoing, supplied with wire set and MCBs. Wires shall be FRLS copper single core cables of sufficient capacity. DB shall have protection against mechanical impact, minimum protection index shall be IK 09 with acrylic door of IEC-62262 and Ingress protection of IP43. Dimension of DB shall be as per IS 8623. DB shall be complete with adequate no. of knockouts of size on the top and bottom of the DB. Make of DB and components Schneider / ABB / Legrand / L&T / Siemens. Part 1 Incomer - DB shall have 63 A,10kA, 300 mA, 4 pole RCBO as incomer as per IS 12460 with latest amendments, Part 2 Outgoing Distribution - (a) In each phase shall consist of 5nosof Single Pole MCB each of 20 A, all C curve, 10 KA capacity;(b) Total 3 nos. of three phase 4 pole MCBs each of 20A, C curve, 10kATotal 20A, 10kA, C Curve MCBs in	NO	1	34069.49	34069.49
2	100A, TPN Switch Disconnecter Fuses (SDF) Unit Supply & Installation of 100A, TPN, Switch Disconnecter Fuse Unit, complete with sheet steel enclosure box, operating handle, HRC Fuses etc. Model range Legrand, Schneider, Indoasian, ABB as approved by OIL including installation, necessary connection, earthing, testing and commissioning.	NO	1	7159.32	7159.32
3	20A, 30mA, DP (1P+N) RCBO Supply and installation of 20A, 30mA, DP (1P+N) RCBO Unit complete with metallic enclosure. RCBO unit to be installed in the modular switchboard, power points as per wiring scheme. RCBO shall comply to standards IEC/EN 61009, AC Class Protection; Tripping characteristics - C curve; RCBO shall be complete with test button and trip indication. Make Schneider/ ABB / Legrand / L&T /Siemens. RCBO shall be installed in the metallic enclosure wherever required / as directed by OIL's Elect. Engineer.	NO	6	5957.63	35745.78
4	12 Module Modular Switchboard Supply and fixing/installation of white colour, 12 modules, horizontal, surface mounted, PVC/Plastic Surface Boxalong with modular double plates (base & cover plate) for fixing modular switches, socket, fan regulator, call bell switch etc. as required, complete with screws etc., as approved by OIL.	NO	6	393.22	2359.32
5	4 Module Modular Switchboard Supply and fixing/installation of white colour, 4 modules, horizontal, surface mounted, PVC/Plastic Surface Box along with modular double plates (base & cover plate) for fixing modular switches, socket, fan regulator, call bell switch etc. as required, complete with screws etc., as approved by OIL.	NO	15	166.10	2491.50
6	5A/6A Switch Supplying and fixing of 5 or 6 Amp one way modular clip in switch, model range Legrand, Schneider, Indoasian, including making necessary connection as per OIL's approval.	NO	80	24.58	1966.40
7	15A/16A Switch Supplying and fixing of 15 or 16 Amp one way modular clip in switch, model range Legrand, Schneider, Indoasian, including making necessary connection as per OIL's approval.	NO	6	68.64	411.84
8	6A Socket Supply and fixing of socket outlet 6 Amps 3 pin universal combine shuttered complete, model range Legrand, Schneider, Indoasian, Crabtree including necessary connection as approved by OIL.	NO	20	50.85	1017.00
9	6A/16A Socket Supply and fixing of socket outlet 6/16 Amps 3 pin combine shuttered complete, model range Legrand, Schneider, Indoasian, Crabtree including necessary connection as approved by OIL.	NO	6	94.92	569.52

SL. NO.	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
10	Electronic Fan Regulator Supplying, fixing/installation of 2 modules electronic polycarbonate type, fan step regulator, 5 step, 100W/240V,white, Modular Fan speed controller. Make Legrand /Schneider/Indoasian/Havells /Siemens. Internal connection of wire as per direction of OIL's Electrical Engineer is included in the item.	NO	8	276.27	2210.16
11	Ceiling Fan Supply and fixing of 1400 mm, Sweep, 230 V AC and 60 W(Havells / Bajaj / ORIENT – PSPO / USHA) AC Ceiling fan, white in colour, complete with all accessories like down rod. Canopy etc. without regulator as approved by OIL. Necessary connection shall be made as directed by Electrical Dept. of OIL.	NO	8	1808.47	14467.76
12	Exhaust Fan Supply, installation, testing and commissioning of 200mmsweep fan (Decorative type Fresh Air Fan) size of propeller type AC exhaust fan, plastic body complete with louvers/shutter mounting rings, frame bracket etc. but without regulator suitable for use on 230/240 V,50 Hz single phase AC supply. Fan shall be as per IS 2997-1964 and marked /embossed with ISI logo. Warrantee 2 years. Make Usha/Bajaj/Crompton Greaves/Havells	NO	10	2759.32	27593.20
13	Power Wiring for Circuit/ Sub main (DB to Switchboard) / Power wiring along with earth wire with 2 Nos. of 4 sq.mm. and earth continuity with 1 no. 2.5 sq.mm sizes of FRLS PVC insulated copper conductor, single core multi-stranded cable in surface/ recessed for voltage grade 1100 volts (Finolax/Havells/Polycab/L&T) medium grade ISI approved 25 mm PVC casing capping as required. Wiring shall be done from MCB DB to desired Switch Board/ power point. (phase, neutral and earth wires, colour coded red, black and green respectively) During measurement, one unit (or one meter) shall mean 'wiring of one meter length complete with 3 nos. wires, casing capping etc. as above including labour charge for fixing'	M	200	188.98	37796.00
14	Supply and installation of LED Batten (10W LED Tube light fitting)Supply,Installation and commissioning of surface mounting Powder coated Aluminum extrusion housing, IP20 Diffused Acrylic glass fitted 4ft LED Batten LM-79 certified luminaire & LM-80 certified LED complete with integrated electronic driver and all mounting accessories. The product should have an even light distribution with system lumen greater than1000 Lumen with 11 +/-10% W system wattage and CCT 6500k, CRI >80 and system efficacy >100 lm/W. Lifetime should be at least 40,000 hours. The product should have an Electronic constant current driver with Open &Short circuit protection, reverse polarity protection and surge protection, PF >0.9, THD <10%. Make Bajaj / Syska / Havells / Philips/ Osram	NO	5	364.41	1822.05
15	'Supply and installation of LED Batten (20W LED Tube light fitting)Supply, Installation and commissioning of surface mounting Powder coated Aluminium extrusion housing, IP20 Diffused Acrylic glass fitted4ft LED Batten LM-79 certified luminaire & LM-80 certified LED complete with integrated electronic driver and all mounting accessories. The product should have an even light distribution with system lumen greater than 2000 Lumen with 22 +/-10% W system wattage. and CCT 6500k, CRI >80and system efficacy >100 lm/W. Lifetime should be at least 40,000 hours. The product should have an Electronic constant current driver with Open& Short circuit protection, reverse polarity protection and surge protection, PF >0.9, THD <10%. Make Bajaj / Syska / Havells / Philips/ Osram	NO	45	618.64	27838.80
16	Point Wiring for light point/ fan point/ exhaust fan point with3 Nos. of 1.5 sq.mm FRLS PVC insulated single core copper conductor in surface medium grade ISI approved 25mm size PVC Casing Capping, suitable PVC casing box for fixing ceiling rose, 3 pin Ceiling rose, blank plate for empty slot and earthing the point with 1.5 sq.mm. FRLS PVC insulated single core multi-stranded copper conductor as required. (identical size for phase, neutral and earth wires, colour coded red, black and green respectively). During measurement, one unit (or one number) shall mean 'a point wiring complete with supply of all materials as above including labour charge for fixing'.	NO	80	636.44	50915.20
17	Blank Plate Supply and fixing of 1 Module Blank Plate single in modular switch system, including necessary connection as per direction of Engineer in Charge.	NO	50	2.54	127.00

SL. NO.	DESCRIPTION OF SERVICE	UOM	QUANTITY	UNIT PRICE	TOTAL
18	Junction Box for wiring Supply and fixing PVC box of 250 mm X 300 mm X60 mm deep (nominal size) on surface. This PVC box will be used as a junction box for wiring. Make Presto Plast/AKG/Richa or as approved by OIL.	NO	15	139.83	2097.45
19	Misc. Works towards electrification of the building which includes the following(1) Power wiring from the nearby source to the 63A SDF to the TPN DB as directed by the Electrical Engineer of OIL. Necessary materials like cable etc. will be provided by OIL.(2) Earthing works (2 nos. earth pits and interconnection etc.)as required for the electrification. Necessary earthing materials lik eearth electrode, GI wire, GI Strip would be provided by OIL. (3)Standard Testing of the wiring works before charging. (4) Supply of two piece 'as built drawing' in A3 size paper, laminated and drawn in computer. (5) Other essential misc. works like testing of circuit before charging etc. as required for completion of the Electrification Works.	AU	1	11000.00	11000.00

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.