

TENDER BOQ

CONSTRUCTION OF RCC BUILDING FOR RBO DIMAPUR & RACC AT DIMAPUR, NAGALAND

SL. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE (RS.)	AMOUNT (RS.)
A	SITE CLEARENCE & LEVELLING				
1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. All kinds of soil	sqm	664.22		
2	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	664.22		
B	EXCAVATION & FILLING WORKS				
3	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	Cum	601.73		
4	Extra for every additional lift of 1.5 m or part thereof in excavation /banking excavated or stacked materials. .All kinds of soil.	cum	277.21		
5	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	metre	50.00		
6	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 m and lift upto 1.5 m.	Cum	510.32		
7	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	59.45		
C	ANTI TERMITE TREATMENT				
8	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor: With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	sqm	304.80		
9	Treatment of existing masonry using chemical emulsion @one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole : With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	metre	297.80		
D	CENTERING & SHUTTERING WORKS				
10	Centering and shuttering including strutting, propping etc. and removal of form for :Foundations, footings, bases of columns, etc. for mass concrete	Sqm	566.65		

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11	Suspended floors, roofs, landings, balconies and access platform	Sqm	1082.37		
12	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	859.82		
13	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	489.44		
14	Stairs, (excluding landings) except spiral-staircases	Sqm	161.28		
15	Edges of slabs and breaks in floors and walls.Under 20 cm wide	metre	240.54		
16	Weather shade, Chajjas, corbels etc., including edges	sqm	295.14		
17	Close timbering in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered) Depth exceeding 1.5 m but not exceeding 3 m.	Sqm	150.00		
E	CONCRETE WORK				
18	Supplying & Laying 400 Microns polythene sheet as per direction complete	Sqm	725.61		
19	Dry brick pitching half brick thick in drains including supply of bricks and preparing the surface complete : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 (Building)	Sqm	667.63		
20	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	76.24		
21	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)	cum	33.31		
22	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	41.34		
23	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.Note: Extra cement up to 10% of the minimum specified cement content 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. 5.33.1 All works upto plinth level Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	211.79		
24	All works above plinth level upto floor V level. Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	359.69		

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25	Making plinth protection 50mm 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 75mm 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.	sqm	70.21		
F	REINFORCEMENT				
26	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	36400.00		
27	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	51815.00		
28	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.Above 16kg/Sqm	kg	2171.40		
G	MASONRY WORKS				
29	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	Cum	11.79		
30	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level in Ground Floor in all shapes and sizes in :Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	32.98		
30a	Brick work 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 in all shapes and sizes in :Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	108.66		
31	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level in Ground Floor Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	95.80		
31a	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)	Sqm	456.84		
H	FINISHING CEMENT PLASTER (IN FINE SAND)				
32	12 mm cement plaster of mix : (1:4 (1 cement: 4 fine sand)	Sqm	2297.08		
33	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	Sqm	1378.58		
34	20 mm cement plaster of mix : (1:4 (1 cement: 4 fine sand)	Sqm	1167.13		
35	Neat cement punning.	Sq.m	246.20		

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I	JOINERY WORKS & DOOR WORK				
36	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately) Sal wood	Cum	1.72		
37	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	27.67		
38	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	Sqm	69.65		
39	25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (\pm 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (\pm 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places	sqm	19.43		
40	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	Each	138.00		
41	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete : 125x64x2.50 mm	each	52.00		
42	75x50x2.50 mm	each	34.00		
43	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete 250x10 mm	each	26.00		
44	150x10 mm	each	22.00		
45	Providing and fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete.150 mm	each	20.00		

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46	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	each	4.00		
47	Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete.	each	12.00		
48	Providing and fixing bright finished brass door latch with necessary screws etc. complete :300x16x5 mm	each	44.00		
49	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	each	4.00		
50	Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	18.00		
51	Providing and fixing bright finished brass handles with screws etc. complete: 125 mm	each	36.00		
52	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.	each	4.00		
J	ALUMINIUM WINDOW WORK				
53	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	sqm	142.47		
54	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.	sqm	5.04		
55	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, 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 and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm	5.04		

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K	RAILING WORKS				
56	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	307.71		
L	FLOORING WORKS				
57	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	Sqm	11.46		
58	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	metre	11.46		
59	Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.05 metre.	Sqm	6.60		
60	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	metre	122.54		
61	Providing and laying Polished 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. Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	Sqm	93.27		
62	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 of Size of Tile 600 x 600 mm	Sqm	155.61		
63	Glazed vitrified floor tiles polished finish of Size of Tile 600 x 1200 mm	Sqm	873.07		
64	Glazed Vitrified tiles Matt/Antiskid finish of size Size of Tile 600 x 600 mm	Sqm	40.28		

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65	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).Light shade pigment using white cement	Sqm	14.04		
66	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 50mm 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. 60mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern.	Sqm	154.00		
M	ROOF TRUSS WITH TIN SHEET				
67	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete	kg	1000.00		
68	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required .0.63 mm thick with zinc coating not less than 275 gm/ m ²	Sqm	119.50		
N	WATER PROOFING WOEK				
69	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).	Sqm	17.62		

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70	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI- 212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage. For vertical surface two coats @ 0.70 kg per sqm	sqm	452.64		
O	PAINTING WORKS				
71	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.	sqm	4735.83		
72	Finishing walls with ready mixed Premium acrylic emulsion paint(Company Depot ted) having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives.New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	sqm	1764.31		
73	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 50 grams/litre	sqm	3514.73		
74	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 additional coats wherever required to achieve even shade and colour. Two coats	sqm	3453.30		
75	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	sqm	37.58		
76	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	sqm	159.10		

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P	SANITARY AND PLUMBING WORK				
77	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 fixtures complete, including cutting and making good the walls and floors wherever required:White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	3.00		
78	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern , including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	2.00		
79	Providing and fixing rimless single piece water closet (European type W.C. pan) with hydraulic UF soft close slim seat cover and lid, flushing cistern, including flush pipe, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. Product code: WC WCNS-WHT-963UFSM (Make:Jaquar or equivalent as approved by EIC)	each	7.00		
80	Providing & fixing C.P. hand spray with lever control (health faucet) and flexible hose 1.2 m long connection with C.P. holder for hand spray complete in all respects. (Make:Jaquar or equivalent as approved by EIC) Model: ALD-CHR-563	each	12.00		
81	Providing and fixing white vitreous china flat back half stall urinal (top inlet) of size 715x475x315 mm with fixing all accessories approved by engineer in charge including painting of fittings and cutting and making good the walls and floors wherever required Product code: URS-WHT-13259 (Make:Jaquar or equivalent as approved by EIC)	each	9.00		
82	Providing and fixing Urinal valve auto cleaning system with built in control cock with wall flange. Product code: PRS-CHR-077 (Make:Jaquar or equivalent as approved by EIC)	each	7.00		
83	Providing and fixing Granite Stone of approved shade slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.	Sqm	3.00		
84	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	each	3.00		

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85	Providing & fixing first quality (White colour) vitreous china Oval wash basin 555x425X195mm, for under counter mounting, Specially fabricated C.I./M.S. brackets, painted with two or three coats of enamel paint of approved shade over a coat of primer, 32 mm C.P. brass waste and pipe to wall 150 mm long, with flange and rubber adopter for waste connection complete including filling gap between counter and wash basin with approved type poly sulphide sealant, cutting and making good the walls wherever required as per direction of Engineer-in-charge Product code: FLS-WHT-5701 (Make:Jaquar or equivalent as approved by EIC)	each	11.00		
86	Providing and fixing 15 mm nominal bore & 65mm extension body of C.P. brass pillar cock with auto cleaning system of approved quality conforming to IS standards and weighing not less than 810 gms. (Make:Jaquar, Model: PRS-CHR-031L65 or equivalent as approved by EIC)	each	35.00		
87	Providing and fixing Stainless Steel A ISi 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required. Kitchen sink without drain board. 510x1040 mm bowl depth 200 mm	each	3.00		
88	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	each	16.00		
89	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards. (15 mm nominal bore). (Make:Jaquar,Model no.CON-CHR-107KN or equivalent as approved by EIC)	each	8.00		
90	Providing and fixing uplasticised PVC connection pipe with brass unions. 45 cm length 15 mm nominal bore	each	22.00		
91	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in charge.	each	22.00		
92	Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour. 15 mm nominal bore, weighing not less than 32 gms	each	22.00		
93	25mm nominal bore, weighing not less than 62 gms	each	22.00		
94	Providing & fixing C.P. brass concealed stop cock with C.P. brass wall flange with any other items complete including cutting and making good the walls wherever required. (Make:Jaquar or equivalent as approved by EIC) Made: ALD-CHR-089CQT & CQT-CHR-23069K	each	13.00		
95	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality & make and as per the direction of Engineer-in-charge. 15mm nominal bore (Make:Jaquar or equivalent as approved by EIC) Made: OPP-CHR-15053PM	each	14.00		
96	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.	each	13.00		
97	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.	each	13.00		

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98	Providing and fixing toilet paper holder :	each	12.00		
99	Providing and fixing CP Brass 32mm size Bottle Trap with 300mm & 190mm Long Wall Connection Pipes & Wall Flange of approved quality & make and as per the direction of Engineer-in-charge. (Make:Jaquar,Model no.ALD -CHR-769L300X190 or equivalent as approved by EIC)	each	13.00		
100	Providing & fixing C.P. brass Towel Ring fixed to wall with plastic rawl plugs and C.P brass screws including cutting and making good the walls wherever required (Make:Jaquar or equivalent as approved by EIC) Model: ACN-CHR-1121BN	each	11.00		
101	Providing & fixing C.P. Grab bar (Stainless Steel) 692mm Long White fixed to wall with plastic rawl plugs and C.P brass screws including cutting and making good the walls wherever required (Make:Jaquar or equivalent as approved by EIC) Model: WAC-WHT-BR0600	each	2.00		
102	Providing & fixing C.P.Grab bar (Stainless Steel) Vertical Swing ,White fixed to wall with plastic rawl plugs and C.P brass screws including cutting and making good the walls wherever required (Make:Jaquar or equivalent as approved by EIC) Model: WAC-WHT-BG0800	each	2.00		
103	Providing & fixing C.P. Hoteller Grab bar (Stainless Steel) 600mm Long fixed to wall with plastic rawl plugs and C.P brass screws including cutting and making good the walls wherever required (Make:Jaquar or equivalent as approved by EIC) Model: AHS -CHR-1507	each	2.00		
104	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.	each	13.00		
105	Providing and fixing Soap Dish Holder fixed to wall with plastic rawl plugs and C.P brass screws including cutting and making good the walls wherever required (Make:Jaquar or equivalent as approved by EIC) Model: ACN-CHR-1131N	each	13.00		
106	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.18.48A Circular tank	per litre	7000.00		
107	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall				
a	15 mm nominal outer dia Pipes	metre	17.00		
b	20 mm nominal outer dia Pipes	metre	22.00		
c	25 mm nominal outer dia Pipes	metre	32.00		
d	32 mm nominal outer dia Pipes	metre	20.00		
e	40 mm nominal outer dia Pipes	metre	15.00		

TENDER BOQ

CONSTRUCTION OF RCC BUILDING FOR RBO DIMAPUR & RACC AT DIMAPUR, NAGALAND

SL. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE (RS.)	AMOUNT (RS.)
108	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 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.				
a	15 mm nominal outer dia Pipes	metre	20.00		
b	20 mm nominal outer dia Pipes	metre	32.00		
c	25 mm nominal outer dia Pipes	metre	17.00		
d	32 mm nominal outer dia Pipes	metre	5.00		
109	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				
a	15 mm nominal dia Pipes	metre	20.00		
b	20 mm nominal dia Pipes	metre	20.00		
c	25 mm nominal dia Pipes	metre	25.00		
d	32 mm nominal dia Pipes	metre	20.00		
e	40 mm nominal dia Pipes	metre	25.00		
110	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
a	15 mm nominal bore	each	7.00		
b	20 mm nominal bore	each	7.00		
c	25 mm nominal bore	each	7.00		
111	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
a	40 mm nominal bore	each	3.00		
b	50 mm nominal bore	each	3.00		
Q	Drainage & Sewerage				
112	Supply, installation, jointing and testing uPVC pipe class B (I.S.13592) (SWR drainage system) including injection moulded fittings with bosses where required e.g, w.c. connectors, door or plain tees / bends, PVC pipe clamps, cowls, etc. all fittings, wherever required, jointing the pipes and fittings with rubber rings cuttings and making good the walls and floors as required at site for vertical and horizontal soil waste and vent pipes (Vent and antisiphonage pipes may be solvent welded).				
a	75 mm OD	Metre	20.00		
b	110 mm OD	Metre	25.00		
113	Supply, installation, jointing and testing uPVC pipe 6 Kg/sqcm class III (IS 4985-1983) including injection moulded fittings with bosses where required e.g. tees, bends, plugs, clamps, couplings and adapters and jointing with PVC cement solvent adhesive approved by fittings manufactures including cutting and making good the walls and floors as required at site.				
a	40 mm O.D.	Metre	5.00		
b	50 mm O.D.	Metre	5.00		
c	63 mm O.D.	Metre	5.00		

TENDER BOQ

CONSTRUCTION OF RCC BUILDING FOR RBO DIMAPUR & RACC AT DIMAPUR, NAGALAND

SL. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE (RS.)	AMOUNT (RS.)
114	Providing and fixing 125 mm nominal dia with 25 mm waste hole PTMT grating of approved quality and colour	Each	5.00		
115	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement:1 fine sand) including testing of joints etc. complete:				
a	100 mm diameter	Metre	25.00		
b	150 mm diameter	Metre	25.00		
116	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :				
a	100 mm diameter	Metre	25.00		
b	150 mm diameter	Metre	25.00		
117	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 300x300 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 : a)100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	4.00		
118	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	6.00		
119	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	each	6.00		
R	Rain Water Pipes				
120	Providing and fixing on wall face unplasticised Rigid 110 mm dia 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, (i) Single socketed pipes.	Metre	127.00		
121	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.				
a	Coupler	Each	34.00		
b	Single tee with door 110x110x110 mm	Each	34.00		

TENDER BOQ

CONSTRUCTION OF RCC BUILDING FOR RBO DIMAPUR & RACC AT DIMAPUR, NAGALAND

SL. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE (RS.)	AMOUNT (RS.)
c	Bend 87.5°	Each	34.00		
d	Shoe (Plain)	Each	24.00		
122	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, 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	Each	64.00		
123	Making khurras 45x45 cm with average minimum thickness of 5 cm cement conc. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over PVC sheet 1 m x 1m x 400 micron, finished with 12mm cement plaster 1 : 3 (1 cement : 3 coarse sand) and coat of neat cement rounding the edges and making finishing the out let complete.	Each	6.00		
124	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	Each	6.00		
125	Constructing brick masonry road gully chamber 50x45x60 cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm precast R.C.C. horizontal grating with frame complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	6.00		
126	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality . L D- 2.5. Circular shape 450 mm internal diameter.	each	4.00		
S	'ODEX" method Boring				
127	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required : 150 mm dia	metre	65.00		
128	Providing, installation, testing and commissioning of stainless steel strainer fabricated out of 1.6 mm thick stainless steel, Grade 304, sheet with 3 mm dia holes with stainless steel flange 100mm dia	metre	6.00		
129	Collecting sample of water for bacteriological and chemical test from any depth at any time during execution of work including hire and labour charges for tools and plants and sterilising the equipments, paying all charges and fees, testing etc. complete in all respect as per direction.	LS	1.00		
130	Supplying, fitting and fixing heavy type bell mouth reducing socket. ii)75mmx150mm)	each	1.00		
131	Labour for drilling bore hole by "Odex 115"drilling method through any type of soil,boulder for sinking tube well of required dia. including hire charges and labour for machine, tools and plants, staging, force pumping set and making arrangement for lowering of pipes, strainers, blind pipes etc. complete.	metre	65.00		
132	Kirloskar make KS4 5014 /"KSB" make BPD 242/04A. 5HP submersible pump set	nos	1.00		
133	PVC column pipe 50 mm dia 10ft long.	metre	12.00		
134	Submersible flat cable 2.5 sqmm	metre	75.00		

TENDER BOQ

CONSTRUCTION OF RCC BUILDING FOR RBO DIMAPUR & RACC AT DIMAPUR, NAGALAND

SL. NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE (RS.)	AMOUNT (RS.)
135	2" adopter	Each	1.00		
136	Well cover 8" x 2"	Each	1.00		
137	Clamp 2"	pair	1.00		
138	panel 5 HP	Each	1.00		
139	Steel Wire rope (wire rope)	RM	75.00		
140	Labour charges for development of tubwell by 310 air cfm. Compressor and yield test by V-notch wire including transportation charges complete.	LS	1.00		
141	SUB TOTAL (Sum of SI no 1 to SI No 140)				
T	DISMANTLING WORKS				
142	<p>Existing Assam type building in the proposed plot: The value of Regional Stationary Dept (RSD) Assam type Building as per H1 valuation report: Rs. 5,95,236.00 Cost for demolition: Rs. 2,89,495.00 Net value of RSD Building (after deducting demolition Cost): Rs. 3,05,741.00</p> <p>The bidder must not quote/offer to Bank below Rs. 3,05,741.00</p> <p>After demolition of the building and toilet block at rear side, all materials (serviceable and unserviceable items, furniture fixtures and all the scrap items etc.) will become the Contractor's property and the contractor can use the items for their own purposes.</p> <p>This BOQ item also includes 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.</p>	LS	1.00		
	GRAND TOTAL (SI No 141 - SI No 142)				