

Hindustan Prefab Limited

Jangpura, New Delhi - 110014

Name of Work - Construction of Guard Room, Meter Room, Isolator Room, Substation shed & RCC trenches for 150 Bedded Super Speciality ESIC Hospital at Varanasi UP.

NIT NO: HPL/PM/TC/ESIC-Varanasi/2018-19/75 Dated: 04.12.2018

Name of the Agency: M/s.

S.No	Ref to DSR	Description of Item	Quantity	Unit	Rate (in Rs.)	Amount (in Rs.)
	A	CIVIL WORKS				
	SUB-HEAD-1	CARRIAGE OF MATERIALS				
1	1.0	CARRIAGE OF MATERIALS				
1.1	1.1.18	Disposal of moorum/building rubbish/mulba/similar unserviceable, dismantelled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10km for all lifts, complete as per direction of engineer in charge	50.00	Cum		0
	SUB-HEAD-2	EARTH WORK				
2	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
2.1	2.8.1	All kinds of soil.	70.00	Cum		0
2.2	2.25	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.	300.00	Cum		0
2.3	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	25.00	Cum		0
	SUB-HEAD-4	CONCRETE WORK				
3	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
3.1	4.1.3	*1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	10.00	Cum		0
3.2	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	60.00	Cum		0
	SUB-HEAD-5	REINFORCED CEMENT CONCRETE				
4	5.1	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				
4.1	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size)	175.00	Cum		0
4.2	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth 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 :	6.00	Cum		0
4.2.1	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)				
4.3	16.93	Providing and placing in position 100 mm thick factory made machine batched & machine mixed Precast RCC Rectangular Covers on drains of footpath of various sizes, of M-25 grade cement concrete for RCC work, including cost of centering, shuttering, reinforcement of 8 mm dia TMT bars of Fe 500 grade @ maximum 100mm c/c on both ways , neat cement punning on finished surface, properly encased on all edges with 1.6 mm thick , 100 mm wide MS sheet duly painted over priming coat , reinforcement to be welded at edges with MS sheet and providing 2 Nos. 12 mm dia bar for hooks etc i/c cost of cartage, all leads & lift, handling at site etc. all complete as per direction of Engineer-in-Charge.	200.00	Sqm		0
4.4	5.3	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) : 3 graded stone aggregate 20 mm nominal size).	30.00	Cum		0
4.5	5.9	Centering and shuttering including strutting, propping etc. and removal of form for all heights :				
4.5.1	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	1,480.30	Sqm		0
4.5.2	5.9.3	Suspended floors, roofs, landings, balconies and access platform	75.00	Sqm		0

4.5.3	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	200.00	Sqm		0
4.5.4	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	90.00	Sqm		0
4.5.5	5.9.16	Edges of slabs and breaks in floors and walls				
4.5.5.1	5.9.16.1	Under 20 cm wide	50.00	Metre		0
4.6	5.11	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured).				
4.6.1	5.11.1	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	100.00	Sqm		0
4.7	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
4.7.1	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	20,000.00	Kg		0
4.7.2	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
4.7.3	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	4,000.00	Kg		0
	SUB-HEAD-6	BRICK WORK				
5	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
5.1	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	75.00	Cum		0
5.2	6.4	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				
5.2.1	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	125.00	Cum		0
5.3	6.12	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in				
5.3.1	6.12.2	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	15.00	Sqm		0
5.4	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	15.00	Sqm		0
	SUB-HEAD-8	MARBLE AND GRANITE WORK				
6	DI 1	Granite work gang saw cut (polished and machine cut) of thickness 18mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade: (To be secured to the backing by means of cramps, which shall be paid for separately).				
6.1	1.1	Granite stone of any colour and shade.				
6.1.1	1.1.1	Area of slab upto 0.50 sqm	150.00	Sqm		0
7	8.1	Marble work gang saw cut (polished and machine cut) of thickness 18mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade: (To be secured to the backing by means of cramps, which shall be paid for separately).				
7.1	8.1.1	Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble.				
7.1.1	8.1.1.1	Area of slab upto 0.50 sqm	10.00	Sqm		0
8.2	8.7	Providing and fixing cramps of required size & shape in RCC/ CC / Brick masonry backing with cement mortar 1:2 (1 cement :2 coarse sand), including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately).				
8.2.1	8.7.2	Stainless steel cramps.	180.00	Kg		0
8.3	8.8	Providing and fixing expansion hold fasteners on C.C. /R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete.				
8.3.1	8.8.1	Wedge expansion type				
8.3.1.1	8.8.1.1	Fastener with threaded dia 6 mm	600.00	No.		0
	SUB-HEAD-9	WOOD AND PVC WORK				
9	9.12	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	8.00	Sqm		0

9.1	9.48	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.				
9.1.2	9.48.2	Fixed to openings /wooden frames with rawl plugs screws etc.	150.00	kg		0
9.2	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	4.00	Each		0
9.3	9.97	Providing and fixing aluminium tower 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 necessary screws etc. complete :				
9.3.1	9.97.2	250x10 mm	4.00	Each		0
9.3.2	9.97.4	150x10 mm	4.00	Each		0
9.3.3	9.97.5	100x10 mm	12.00	Each		0
10	9.100.	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 :				
10.1	9.100.1	125 mm	12.00	Each		0
10.2	9.101.	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.				
10.2.1	9.101.2	Twin rubber stopper	4.00	Each		0
10.3	9.103	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete	4.00	Each		0
	SUB-HEAD-10	STEEL WORK				
11	10.6	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.				
11.1	10.6.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	50.00	Sqm		0
11.2	10.7	Providing and fixing ball bearing for rolling shutters.	15.00	Each		0
11.3	10.8	Extra for providing mechanical device chain and crank operation for operating rolling shutters.				
11.3.1	10.8.1	Exceeding 10.00 sqm and upto 16.80 sqm in the area	50.00	Sqm		0
11.4	10.9	Extra for providing grilled rolling shutters manufactured out of 8 mm dia M.S. bar instead of laths as per design approved by Engineer-in- charge, (area of grill to be measured).	18.00	Sqm		0
11.5	10.5	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
11.5.1	10.5.1	Using M.S. angels 40x40x6 mm for diagonal braces	12.00	Sqm		0
11.6	10.13	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.				
11.6.1	10.13.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	150.00	Kg		0
	SUB-HEAD-11	FLOORING				
12	11.20	Chequered 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).				
12.1	11.20.2	Medium shade pigment using 50% white cement 50% Grey cement	100.00	Sqm		0
12.2	11.26	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) :				
12.2.1	11.26.1	25 mm thick	200.00	Sqm		0

12.3	11.27	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				
12.3.1		Skirting 10% of kota flooring as per Item no. 11.26	20.00	Sqm		0
12.4	11.36	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 steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	35.00	Sqm		0
12.5	11.38	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.	10.00	Sqm		0
	SUB-HEAD-12	ROOFING				
13	12.41	Providing and fixing on wall face 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, (i) Single socketed pipes.				
13.1	12.41.2	110 mm diameter	25.00	Metre		0
13.2	12.42	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.				
13.2.1	12.42.5	Bend 87.5 Deg				
13.2.2	12.42.5.2	110 mm dia	4.00	Each		0
13.2.3	12.42.6	Shoe (Plain)				
13.2.4	12.42.6.2	110 mm dia	4.00	Each		0
13.3	12.44	Providing and Fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	4.00	Each		0
13.4	12.46	Providing and fixing to the inlet mouth of rain water pipe PTMT (an Engineering Thermoplastic) grating square (Slit) 150 mm square with a height of 8 mm and weighing not less than 100 gms.	4.00	Each		0
13.5	12.5	providing and fixing pre-coated galvanised iron profile sheet 0.50 mm thick.....	220.00	sqm		0
13.6	10.16	steel work in built up tubular section truss..				
13.6.1	10.16.1	hot finished welded type	18,500.00	kg		0
	SUB-HEAD-13	FINISHING				
14	13.1	12 mm cement plaster of mix :				
14.1	13.1.2	1:6 (1 cement: 6 fine sand)	1,000.00	Sqm		0
14.2	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
14.2.1	13.2.2	1:6 (1 cement: 6 fine sand)	500.00	Sqm		0
14.3	13.16	6 mm cement plaster of mix :				
14.3.1	13.16.1	1:3 (1 cement : 3 fine sand)	60.00	Sqm		0
14.4	13.45	Finishing walls with textured exterior paint of required shade :				
14.4.1	13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	500.00	Sqm		0
14.5	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1,100.00	Sqm		0
14.6	13.82	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.				
14.6.1	13.82.2	Two coats	600.00	Sqm		0
14.7	13.84	Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
14.7.1	13.84.2	Two coats	350.00	Sqm		0

	SUB-HEAD-15	DISMANTLING AND DEMOLISHING				
15	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
15.1	15.7.4	In cement mortar	25.00	Cum		0
	SUB-HEAD-22	WATER PROOFING				
16	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations:				
	(a)	Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.				
	(b)	Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				
	(c)	After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin- charge.				
	(d)	Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin- charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep.				
	(e)	The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge :				
16.1	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	70.00	Sqm		0
	SUB-HEAD-17	SANITARY INSTALLATIONS				
17	17.1	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:				
17.1	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	1.00	Each		0
17.2	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm dia C.P. Single hole basin mixer, of approved quality and make, including painting of fitting and brackets, cutting and making good the wall wherever required:32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required:				
17.2.1	17.7.3	White Vitreous China Wash basin size 550 x 400 mm with a pair of 15 mm C.P. brass pillar tap	1.00	Each		0
17.3	17.22A	Providing and fixing CP Brass 32mm size bottle trap of approved quality & make and as per the direction of engineer in charge.	1.00	Each		0
17.4	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
17.4.1	17.28.2	Flexible pipe				
17.4.2	17.28.2.2	40 mm dia	1.00	Each		0
17.5	17.31	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.	1.00	Each		0
17.6	17.35	Providing and fixing soil, waste and vent pipes:				
17.6.1	17.35.1.2	100 mm dia. Centrifugally cast (spun) iron socket & spigot (S&S) pipes per IS: 3989	12.00	Metre		0
17.7	17.39	Providing and fixing plain bend of required degree.				
17.7.1	17.39.1.2	100 mm dia sand cast iron S&S as per 3989.	6.00	Each		0
17.8	17.57	Providing and Fixing collar: -				
17.8.1	17.57.1.2	100 mm dia sand cast iron S&S as per 3989.	5.00	Each		0
17.9	17.60	Providing and Fixing floor trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors.				
17.9.1	17.60.1.1	100 mm inlet and 100 mm outlet Sand cast iron S&S as per IS: 3989	2.00	Each		0
17.10	17.65	Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent pipes and fittings with two coats of synthetic enamel paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work :				
17.10.1	17.65.1	100 mm dia.	12.00	Metre		0

	SUB-HEAD-18	WATER SUPPLY				
18.1	18.10	Providing and Fixing G.I. Class "B" pipe complete with G.I. Fittings and angle supports, clamps, including cutting and making good the walls etc.				
18.1.1	18.10.1	15 mm dia	10.00	Metre		0
18.1.2	18.10.2	20mm dia	12.00	Metre		0
18.1.3	18.10.3	25mm dia	25.00	Metre		0
18.1.4	18.10.4	32 mm dia	8.00	Metre		0
18.1.5	18.10.5	40 mm dia	42.00	Metre		0
18.1.6	18.10.6	50 mm dia	5.00	Metre		0
18.2	18.17	Providing and fixing gunmetal gate valve with C.I. wheel of approved quality (Screwed end)				
18.2.1	18.17.2	32mm dia nominal bore	1.00	Each		0
18.2.2	18.17.3	40mm dia nominal bore	2.00	Each		0
18.2.3	18.17.4	50 mm dia nominal bore	1.00	Each		0
18.3	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
18.3.1	18.18.2	20 mm nominal bore	1.00	Each		0
18.3.2	18.18.3	25 mm nominal bore	1.00	Each		0
18.4	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
18.4.1	18.21.2.1	15 mm nominal bore	4.00	Each		0
18.5	18.40	Painting of G.I. Pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.				
18.5.1	18.40.1	15mm dia	10.00	Meter		0
18.5.2	18.40.2	20mm dia	12.00	Meter		0
18.5.3	18.40.3	25mm dia	25.00	Meter		0
18.5.4	18.40.4	32 mm dia	8.00	Metre		0
18.5.5	18.40.5	40 mm dia	42.00	Metre		0
18.5.6	18.40.6	50 mm dia	5.00	Metre		0
18.6	18.46	Providing and fixing G.I. Union heavy class in G.I. Pipe including cutting and threading the pipe and making long screws etc. complete (new work)				
18.6.1	18.46.4	32 mm dia	2.00	Each		0
18.6.2	18.46.5	40 mm dia	2.00	Each		0
18.6.3	18.46.6	50 mm dia	1.00	Each		0
18.7	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	500.00	per litre		0
18.8	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
18.8.1	18.49.1	a)15 mm nominal bore	2.00	Each		0
18.9	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
	18.53.1	a) 15 mm nominal bore	6.00	Each		0
18.10	18.58	Providing and fixing PTMT grating of approved quality and colour.				
18.10.1	18.58.1	Circular type				
18.10.2	18.58.1.2	125 mm nominal dia with 25 mm waste hole	4.00	Each		0
	SUB-HEAD-19	DRAINAGE				
19.1	19.4	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 x300 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				
19.1.1	19.4.1	100x100 mm size P type				
19.1.2	19.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	Each		0
19.2	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete				
19.2.1	19.6.2	150 mm dia. R.C.C. pipe	20.00	Rmt		0
19.3	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 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				

19.3.1	19.7.1	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)				
19.3.2	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	Each		0
	SUB-HEAD-21	ALUMINIUM WORK				
20	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately)				
20.1	21.1.1	For Fixed Portion				
20.1.1	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	200.00	Kg		0
20.2	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
20.2.1	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	120.00	Kg		0
	21.3	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):				
	21.3.2	With float glass panes of 5.50 mm thickness	10.00	Sqm		0
	25	structural glazing aluminium composit panel				
21		Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:				
		a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.				
		b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.				
		(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing.				
		The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge.				
21.1	25.7	However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.	50.00	Sqm		0
21.2	26.42	providing and fixing of external wall system on steel frame work with. Outer face having 6mm thick heavy duty fiber cement board fixed on 9mm thick heavy duty fiber cement board conforming to IS 14862:2000, category IV type A (High pressure steam cured) as per standard sizes fixed with self drilling / tapping screws / fasteners @ 60cm c/c of approved make.....	350.00	sqm		0
		Total of DSR item & derived item (Civil Work)				0
		ELECTRICAL WORKS				
		INTERNAL ELECTRICAL WORK				
19	1	SUB HEAD-1: W I R I N G & SUBMAIN				

19.1	1.10	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.				
19.1.1	1.10.2	Group C	27.00	Point		0
19.2	1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	100.00	Metre		0
		Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
19.3	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire (For Circuit Wiring & Light Plug Wiring)	100.00	Metre		0
	1.14.5	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	50.00	Metre		0
19.4	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	7.00	Each		0
19.5	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	10.00	Each		0
19.6	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch , connection etc. as required. (For light plugs to be used in non residential buildings).	6.00	Each		0
19.7	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch , connection etc. as required.	5.00	Each		0
		LIGHTING FIXTURE & FAN				
19.8	1.45	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	7.00	Each		0
20	2	DISTRIBUTION BOARD				
20.1	2.3	Supply and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator).				
20.1.1	2.3.2	8 way, Double door	2.00	Each		0
20.2	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
20.1.1	2.10.1	Single pole	16.00	Each		0
20.3	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	10.00	Each		0
20.4	2.12	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
20.4.1	2.12.1	40 amps	2.00	Each		0
21.00	NS-3.13	Supply of Ceiling Fan of 1200mm sweep complete erected in position with all accessories.(Make- Havels) or Equivalent to Orient, Cropton Greave, Polycab.	7.00	Each		0
	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	14.00	Each		0
	1.50.1	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. Upto 450 mm sweep	6.00	Each		0
	1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	6.00	Each		0
	NS-3.7	Supply of 20w wall mounted LED Balten light liftup make polycab model LP 00103103 ot egulant to philips, wipro, bajaj, Havells.	14.00	Each		0
	supply of exhast fan 450mm dia sweep as req....	6.00	Each		0
	supply of lover shutters for exhast fan 450mm dia sweep as req.....	6.00	Each		0
		Total amount electrical				0
		Total civil+electrical				0