

SOR for Group E

S. No.	Short Description	Brief description	UoM	Quantities	Unit rates excl of taxes (in Rs.)	PERCENTAGE QUOTED BELOW / AT PAR / ABOVE	Total Amount excl. of taxes
1	SUPL&FIXING-DEFORM STEEL BARS REINFORCE	Supplying and placing in position HIGH STRENGTH DEFORMED STEEL BARS REINFORCEMENT (Conforming to IS:1786, Grade Fe 415 or above) for RCC work including transporting, straightening, cleaning, de-coiling, cutting & binding to required shapes and lengths as per details, it also includes binding with 16SWG black soft annealed binding wire at every intersection, supplying and placing with proper cover blocks, supports, chairs, overlaps, welding, spacers, fan hooks etc. for all heights and depths etc. complete as directed by EIC or his representative. IT ALSO INCLUDES ALL MATERIALS, MANPOWER, TOOLS & TACKLES ETC AND WORK TO BE COMPLETED IN ALL RESPECTS. Recommended Make: TATA/RINL/SAIL/TISCO/JINDAL/ESSAR/JSW	Kg	25840	101.21	Not Quoted	Not Quoted
2	P & L -RCC M25 Gr (1:1:2) - RMC or SITE BATCHED	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 (PPC-53) / Ordinary Portland (OPC-43) /Portland Slag Cement (Grade-43-53), 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; including the cost of centering, shuttering, finishing and excluding cost of reinforcement as per direction of the engineer-in-charge; for the following grades of concrete- Concrete of M25 grade with minimum cement content of 330 kg /cum The construction material like cement, sand, coarse and fine aggregate, steel, bricks, water etc. should confirm to the quality as per concerning IS codes. The contractors to arrange slump, cube test for cement concrete work as per standard at their cost. Approved cement makes- Shree Cement/Ultratech/JK/ACC/Ambuja.	M3	265	9028.15	Not Quoted	Not Quoted
3	STRUCTURAL STEEL WORKS (WITH MATERIAL)	Supplying, fabricating, joining, erecting & fixing in position in true line and level, structural steel work including splicing, welding, riveting, bolting, fixing in position, hoisting, machining of rough surfaces with all plant machinery tools & tackles including preparation of shop floor drawings (if required) all consumables like welding rods, nut/bolts, electricity (for fabrication in vendors workshop), etc complete including applying one coat of red oxide primer and two coats of synthetic enamel paint in rolled BIS stds. steel sections like R.S.J., angles, Tees, channels, ISMBs, ISMCs, and plain/ chequered plates etc. Work to be done for fabrication of staircases, crash guards, ladders, sheds, trench covers, manhole covers, gratings, railings, gates, cascade frames/platforms, walkways, doors, windows, canopy members etc. Rates to include material, labour, transportation, hinges, handles, towerbolts, painting & scaffolding etc complete in all respects necessary for completion of work. Recommended Make: TISCO/ Jindal/ SAIL.	Kg	13940	105.04	Not Quoted	Not Quoted
4	P&L PAVER BLOCKS 80MM & M40 WITH SAND BED	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. Material to lay - 80 mm thick C.C. paver block of M-40 grade of desired color design and pattern as per directed by EIC or his representative. Strength test certificate shall be submitted as per direction of EICor his representative.	M2	1326	1141.54	Not Quoted	Not Quoted
5	DEMOLISHING RCC WORK	Demolishing RCC work (taking all necessary safety precautions) for all heights above & below plinth level including supply of all tools & tackles, necessary scaffolding, propping, underpinning etc., cutting, straightening, scraping & cleaning of reinforcement bars, stacking of serviceable material, disposal of unserviceable material outside the IGL boundary limits keeping IGL indemnified of any liabilities from statutory / local bodies, all complete as specified & directed.	M3	318	3305.53	Not Quoted	Not Quoted
6	PROV & APPLYING-PLASTER 12 MM- 20 MM THK	Providing 12 mm - 20 mm thick average cement plaster in cement mortar 1:4 (1 cement : 4 sand) on brick wall / pitching or on concrete surfaces for manholes, valve-pits, culverts, wing walls including cleaning and preparation of the surface by hacking the concrete surface and raking out the joints of brickwork, scaffolding, curing etc. for all depths and heights complete as per drawings, specifications and directions of Engineer-in-Charge with all tools, material, labour, scaffolding and curing etc. complete as per specifications and direction.	M2	2686	332.86	Not Quoted	Not Quoted

7	P&F-CONCERTINA COIL WITH RBT	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart. This also includes upto 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately).	M	1224	342.79	Not Quoted	Not Quoted
8	DISMANT WBM- 150MM TO ALL THICKNESS	Dismantling Water bound macadam of minimum thickness 150mm to all thickness manually/mechanical means including disposal of unserviceable material to all lead as per direction of Engineer-in-charge : NOTE: WBM below 150mm thick will be paid in soil excavation	M2	2652	158.15	Not Quoted	Not Quoted
9	PROVIDING AND APPLYING PUTTY	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. Item includes any scaffolding requirement.	M2	2686	139.81	Not Quoted	Not Quoted
10	GI CHAINLINK FENCING	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. Made of G.I. wire of dia 4 mm.	M2	323	970.29	Not Quoted	Not Quoted
11	P & A Two coats acrylic emulsion	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of NEROLAC, BERGER or ASIAN only, including applying additional coats wherever required, to achieve even shade and colour- two coats or more coats. Item includes any scaffolding requirement. Item includes all thinner, equipments labour, conveyance, and other items required for completion of work.Putty to be paid separately.	M2	1791	131.01	Not Quoted	Not Quoted
12	P & L -CEMENT CONCRETE (1:2:4)	Providing and laying in position cement concrete 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including the cost of centering and shuttering - All work up to floor five level in retaining walls, return walls, walls (any thickness) including attached columns, pillars, parapets, coping, bed blocks, forecourts, trenches, foundations, sunken floor, etc., including the cost of centering, shuttering and finishing.	M3	53	4020.55	Not Quoted	Not Quoted
13	SPRAY PAINTING CANOPY FALSE CEILING	Painting with 2 or more coats of spray paint of approved makes at canopy false ceiling after properly cleaning the false ceiling surface with water and then with thinner or suitable chemicals. Item to include cost of painting material,consumables, labour etc complete in all respects excluding scaffolding.	M2	3536	57.94	Not Quoted	Not Quoted
14	B/D BOREWELL FOR RAIN WATER HARVESTING	Boring/drilling bore well for Rain water Harvesting of required dia for casing/ strainer pipe , by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 60 metre depth below ground level in all types of soil. note ; rate include cost of (a)Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of 150mm diameter, conforming to IS: 12818, (b)Supplying, filling, spreading & leveling stone boulders of size range 5 mm to10 mm ,gravels of size range 5 mm to 10 mm and coarse sand of size range 1.5 mm to 2 mm in recharge pit, in the required thickness, for all leads & lifts.	EA	2	143974.71	Not Quoted	Not Quoted
15	CONSTRUCTION OF RAINWATER HARVESTING PIT AND DESILTING CHAMBER	Construction of Pit of adequate volume, including all items required as per design approved by Delhi Jal Board/govt. approving authority. System must also include desilting chamber and over flow outlet including any other item required for efficient working of the tank. Rate includes all item like sand, geo textiles, activated carbon or charcoal, precast membranes etc. required. Dismantling forecourt, providing and laying brick masonry rates shall be claimed separately. Rate must include all liasioning cost and any necessary document required for adequacy certificate of the RWH system by Delhi Jal Board/govt. approving authority.	EA	2	143974.71	Not Quoted	Not Quoted
16	PROV&LAYING-PREMIUM CERAMIC TILE	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. Size of tile 600x600 mm or any other approved size. Brand approved - Somany, Orient bell, Kajaria	M2	211	1200.53	Not Quoted	Not Quoted

17	CLEANING/RESTORING OF RAINWATER HARVESTING SYSTEM	Cleaning of rainwater harvesting systems at stations manually by opening the manhole covers etc, tanks etc. Filter media to be removed, cleaned & re-placed. Boring to be checked & cleaned for easy penetration/ infiltration of water in the ground. Purpose of cleaning is to make the rainwater harvesting system functional properly. Item to include manpower, transportation, tools, tackles etc. to make the system workable.	EA	10	24973.79	Not Quoted	Not Quoted
18	P & F URINAL WITH AUTOMATIC FLUSHING SYSTEM	Providing and fixing desired colour vitreous china flat back urinal with 5 litre PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required. It also includes all necessary fittings to Recommended Make it operational as required. Recommended Make : Jaquar/ Hindware/Kohler/Cera/TOTO	EA	17	9113.10	Not Quoted	Not Quoted
19	SEWER LINE CLEANING WITH SUCTION BLOWER/TRIP	Cleaning of "SEWER LINE " with mechanised Suction/ Blower system and cleaning of all SW lines, Septic Tank, and its allied system of a CNG station incl. Mobilising a machine, removing the materials to a unobjectionable area, demobilising the machine all complete and as per the directions of Engineer-in-Charge, complete. Payment to be done per trip basis.	EA	102	1500.00	Not Quoted	Not Quoted
20	P & A-PLASTER 6 MM THICK CM 1:4 OPC 43	Providing and applying 6 mm thk plaster at all heights with cement mortar 1:4 (1 cement, 4 fine sand) on ceilings, beams, chajjas, slab etc. with all tools, material, labour, scaffolding and curing etc. complete as per specifications and direction. (Type of Cement OPC 43)	M2	800	285.67	Not Quoted	Not Quoted
21	VITRIFIED TILES-800X800	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm 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., complete. Size of Tile 800x800 mm.	M2	68	2122.28	Not Quoted	Not Quoted
22	PROV & FIX LOCK FOR GLASS DOOR	PROVIDING & FIXING GLASS DOOR LOCK FOR OPENABLE DOOR (10-12 mm glass), GLASS TO GLASS OR GLASS TO WOOD, BRUSHED STEEL FINISH, base material casting:-Aluminium Alloy, SS 304 cover.	No	51	2392.26	Not Quoted	Not Quoted
23	PROV&FIXING-WASH BASIN 550X400 MM WHITE	P & F wash basin of approved make of BIS std. for normal shape & size 550x400 mm glazed incl. S/F of 12.5 mm CP angle cock, 12.5 pillar cock, heavy duty flexible pipe & outlet connection complete.incl. CI brackets. White.	EA	34	3565.86	Not Quoted	Not Quoted
24	Kitchen sink	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink with drain board with size as 510x1040 mm bowl depth 250 mm.	EA	17	6782.94	Not Quoted	Not Quoted
25	SUPL&FIXING-PLAIN/ FROSTED GLASS 5.5MM	Providing and fixing Plain/Frosted/Glazing glass panes of 5.5 mm thickness (weight not less than 25 kg/sqm) in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per directions of engineer-in-charge . Cost of aluminium snap beading is included. Rates to include material, necessary bonding material, manpower, transportation, tools & tackles etc.Scaffolding and other accessories included for work at height of upto 3m. Recommended Make: Modi Float/ Saint Gobain	M2	245	467.21	Not Quoted	Not Quoted
26	P&F- DOOR/WINDOW/PARTITION-AL WITH FRAM	PROVIDING & FIXING POWDER COATED (50 MICRON THICKNESS) ALUMINIUM DOOR/WINDOW/PARTITION WITH THE DOOR FRAME, DASH FASTNERS, LOCK, DOOR CLOSURE, TOWER BOLT, HINGES, HANDLE, STOPPER, RUBBER, PVC BEADING, GLAZING CLIP ETC COMPLETE IN ALL RESPECTS. (EXCLUDING CHOWKHAT). SECTION FRAME SIZE -100x40 (minimum 16 gauge or thicker as per requirement), TOP & BOTTOM HORIZONTAL MEMBERS OF DOORS ARE TO BE OF SIZE 100x40 MM (minimum 18 gauge or thicker as per requirement) LONG STANDING MEMBERS & HORIZONTAL BELT MEMBER ARE TO BE OF SIZE45X45 MM (minimum 18 gauge or thicker as per requirement). RATE TO INCLUDE MATERIAL, TRANSPORTATION, LABOUR, ACCESORIES, TOOLS & TACKLES ETC COMPLETE IN ALL RESPECTS. Item to include 5 mm thick float glass & particle board of approved make 12mm thick or ACP Panel board of approved brand and specifications.	M2	36	3114.76	Not Quoted	Not Quoted
27	PROV & FIXING-CISTERN PVC 10 LIT WHITE	P & F 10 ltrs capacity PVC cistern of approved make of BIS std. incl. all internal brass fittings incl. Inlet / outlet CP brass fittings stop cock, PVC heavy duty flexible pipe, over flow pipe, MS brackets etc. complete.	EA	51	2179.74	Not Quoted	Not Quoted
28	80 MM THICK PAVER BLOCKS	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.80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	M2	153	635.41	Not Quoted	Not Quoted

29	P/F wall hung china water closet	Providing and fixing vitreous closed coupled single piece wall hung china water closet (European type W.C.pan) with dual flushing cistern, complete with proprietary seat and cover (UF Seat cover), pan connector, suitable mounting brackets/chain including cutting and making good the walls and floors wherever required.	EA	10	14716.96	Not Quoted	Not Quoted
30	P & A Two coat distemper	Distemping with 1st quality acrylic distemper, 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 or more coats.Item includes any scaffolding requirement. Item includes all thinner,Primer or putty, equipments labour, conveyance, and other items required for completion of work. Only approved brands - Nerolac, Berger, Asian.	M2	895	101.66	Not Quoted	Not Quoted
31	P & A CHEMICAL MIX CEMENT PLASTER	Providing and applying cement sand chemical mix plaster by mason on water proofed surface. Plaster to kept 12-20mm thick and mixed with waterproof chemical of approved make. Item includes all tools and manpower required to complete work.	Sqft	2157	60.00	Not Quoted	Not Quoted
32	VITRIFIED TILES-500X500	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm 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., complete. Size of Tile 500x500 mm.	M2	80	1506.35	Not Quoted	Not Quoted
33	SUPL&FIXING-WATER CLOSET ORISSAPAN WHITE	Providing & fixing in position approved make of BIS std. like Hindustan / Parryware / Cera etc make Indian type China vitreous Water Closet of size 580mm, suitable for sinking in to floor with raised foot treads complete with 100 mm HCl/PVC 'P' trap with or with-out vent as required & all other necessary fittings complete. Coloured Orissa pan.	EA	17	4347.00	Not Quoted	Not Quoted
34	DOOR WIN AL FRAM 101x45 POW COAT	Providing & Fixing DOORS, WINDOWS, SHUTTERS & PARTITIONS- Providing and fixing frame work for fixed glass door/ window/partitions out of aluminum section size 101 x 45mm (minimum 18 gauge or thicker as per requirement) with PVC beading & glazing clip of 0.071 kg/M. (Jindal section or equivalent by weight) With 50 to 60 micron powder coated aluminum. Sliding door of suitable size, if required, will be provided in this item only.	M2	36	1858.47	Not Quoted	Not Quoted
35	P & A WALL WATER PROOFING WITH DR FIXIT	Surface preparation by thorough cleaning with wire brush, blower and chase the affected area to remove any loose material.Fill the crack with crack x powder or urp with mix cement paste.Providing and applying 1st and 2nd coats of Dr fixit URP with mix cement putty.Providing and applying 3rd and 4th coats of two component Dr fixit Pidifin 2k apply by brush.	Sqft	2157	45.00	Not Quoted	Not Quoted
36	ARC WELD/GAS WELD/CUTTING/GRINDING JOBS	Gas welding/ Arc Welding/ Cutting/ Grinding job along with equipment#s and manpower. Item to include mobilization of tools, tackles & manpower at one site for one day. Works like providing & fixing hinges, handles, tower bolts etc are included in this item.	EA	34	1661.20	Not Quoted	Not Quoted
37	DOOR WIN AL FRAM 45x45 POW COAT	Providing & Fixing DOORS, WINDOWS, SHUTTERS & PARTITIONS- Providing and fixing frame work for fixed glass door/ window/partitions out of aluminum section size 45 x 45mm (minimum 18 gauge or thicker as per requirement) with PVC beading & glazing clip of 0.071 kg/M. (Jindal section or equivalent by weight) With 50 to 60 micron powder coated aluminum. Sliding door of suitable size, if required, will be provided in this item only.	M2	36	1557.38	Not Quoted	Not Quoted
38	Prov & Fix European Water Closet	Providing and fixing floor mounted, vitreous china single piece, double trap, symphonic water closet of desired shape, size, pattern and colour including integrated vitreous china cistern of capacity minimum 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fitting, nut bolts and gasket etc including making connectionn with P/S trap complete in all respect as per EIC. Cutting and making good the walls and floors wherever required is included Recommended Make : Jaquar/ Hindware/Kohler/Cera /TOTO.	EA	10	7836.03	Not Quoted	Not Quoted
39	PROV&FIXING-PLUMBING ACCESSORY	Providing and Fixing-Urinal spreader 15 MM NB/ PVC Connection pipe 15 NB /Hand shower 15 MM NB or Jet 15 MM NB or similar plumbing accessories etc, as instructed by EIC or his representative. Item to include accessories, labour, installation etc complete in all respects.	EA	170	259.56	Not Quoted	Not Quoted
40	P & F-WATER STORAGE TANK WITH COVER	Providing and placing poly ethylene water storage tank of approved makes (Sintex /Plasto/Vectus/Supreme/Sheetal) with cover and suitable locking arrangement including inlet / outlet/ overflow connections, float ball, ball cock, Gate valve etc. complete.	Ltr.	6000	10.95	Not Quoted	Not Quoted
41	SUPL/INSTR-PVC PIPE OF SIZE > 2"-4"	Supply & Installation of Heavy Duty PVC Pipes of sizes above 2 Inch and upto and including 4 Inch for mechanical protection of the under ground cables. The job shall be complete in all respects including the cost of all materials, tools, labour, etc. as per this technical specification, applicable drawings, Special Terms & Conditions of this tender and as per directions of IGL 's Engineer In Charge.	M	128	309.28	Not Quoted	Not Quoted
42	P&F Seat Pad for Chair	Providing & fixing seat pad for non revolving chair. The foam & fabric shall be of approved quality material to provide comfortable seating. Rates to include all dismantling of old component, necessary material, manpower, transportation, tools, tackles etc.	NO	68	559.22	Not Quoted	Not Quoted

43	REMOVAL&REFIXING-ALUMINIUM PARTITION	Dismantling and refixing of Aluminium partitions at any location [transportation not included]only by old material supplied by IGL	M2	64	571.04	Not Quoted	Not Quoted
44	PROV&FIXING-LG BODY BIB COCK 15MM CP BR	P & F in position following C.P. brass fittings of best quality of BIS std., approved make, heavy duty (Parko,Seiko, Jaguar) 15 mm dia. Long body bib cock.	EA	68	490.17	Not Quoted	Not Quoted
45	Door closer	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.	EA	34	966.68	Not Quoted	Not Quoted
46	MODIFICATION-STEEL STRUCTURE INCL PAINT	Modifying / fabricating existing steel structure & erecting incl. surface preparation and painting with one coat of primer red oxide and two coats of synthetic enamel paint. Rate to include lifting, loading, unloading & transportation from one location to another within Delhi/NCR. Rates to include material, labour, transportation, painting & scaffolding etc complete in all respects necessary for completion of work. ARC welding/ Cutting/ Gas welding / Grinding with all equipments & manpower are to be included in this item. Hinges, handles, towerbolts etc are to be provided in this modification work. Works to be done in this item include modification of existing trench covers by straightening, providing hinges etc complete in all respects.	KG	4420	7.27	Not Quoted	Not Quoted
47	S/L Ethernet cable	Supplying and laying Ethernet cable	M	2040	13.51	Not Quoted	Not Quoted
48	REMOVAL OR RELAYING OF CABLES	Removal or relaying of cables of any size and should be done as per directions of engineer incharge.	M	200	207.12	Not Quoted	Not Quoted
49	SUPL/LAYING-CABLE 4X2.5 SQMM YRY, CU	4 x 2.5 mm2 YRY Supply, laying, testing and termination of PVC insulated, PVC sheathed, 100V grade, steel armored, copper conductor cable of following sizes & type n surface trench/on wall/structural surface/in G.I. Pipes/conduit as per the specifications of this tender and directions of Engineer_in_charge	M	450	90.04	Not Quoted	Not Quoted
50	CARP P&F SHEET POLYCARB 3MM	Providing and fixing 3mm thick polycarbonate sheets of approved quality and color. Item includes all screws fixing accessories required to fix it to a frame at any height including scaffolding or any other accessories required for completion. MS frame to be claimed separately. Item also includes removal of old sheet if needed.	M2	24	1059.02	Not Quoted	Not Quoted
51	SUPL&FIXING-EXTERNAL DRAIN PIPE 50MM PVC	Supplying and fixing PVC pipe for external drainage line including fitting and fixing the pipe with clamps etc. and making good the surface after fixing etc. complete 50 mm	M	200	197.27	Not Quoted	Not Quoted
52	GROUTING STRUCTURAL STEEL MEMBERS	Dismantling of RCC/PCC /forecourt/ road area/paved area for installation of structural steel crash guards/safety guards etc. Work to include tools/tackles/machines/ labour etc complete in all respects for cutting of area 400mm (L) X 400mm (B) X 300mm (deep) and refilling/grouting with M-25 grade concrete (1:1:2). Item to be used for grouting of crash guards in the forecourt. Item to include manpower & material like cement, aggregates, sand etc complete in all respects.	NO	102	240.96	Not Quoted	Not Quoted
53	DOOR WIN AL FRAM 60x45 POW COAT	Providing & Fixing DOORS, WINDOWS, SHUTTERS & PARTITIONS- Providing and fixing frame work for fixed glass door/ window/partitions out of aluminum section size 60 x 45mm (minimum 18 gauge or thicker as per requirement) with PVC beading & glazing clip of 0.071 kg/M. (Jindal section or equivalent by weight) With 50 to 60 micron powder coated aluminum. Sliding door of suitable size, if required, will be provided in this item only.	M2	36	674.86	Not Quoted	Not Quoted
54	PROV&FIXING-CONC STOP COCK 15MM CP BRASS	P & F in position following C.P. brass fittings of best quality of BIS std., approved make, heavy duty (Parko,Seiko, Jaguar)15 dia. Concealed Stop cock.	EA	34	671.41	Not Quoted	Not Quoted
55	P&L-BRICK MASONRY 1:4, CLASS-12.5	Providing and laying Brick work with common burnt clay machine moulded modular bricks of class designation 12.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:4 (1 cement : 4 coarse sand) upto any level, including cost of any scaffolding approved as per IGL specification, if required.	M3	5	6487.56	Not Quoted	Not Quoted
56	GROUTING WITH RCC	Grouting of modified / newly installed manhole frame/ chamber covers frame/ sheds etc. Filling of M-25 CC in hollow pipes of crash guards are to be paid in this item. Work to include dismantling if any, grouting in proper line / length & strength with CC M-25 (1:1:2) the frames of manholes/ chambers etc. Item to include materials like cement, aggregates, coarse sand, etc alongwith mason/ manpower, transportation, mobilization etc complete in all respects.	EA	34	622.95	Not Quoted	Not Quoted
57	P&F-WHITE GLAZED LIPPED URINAL-PREMIUM	Providing and fixing white glazed flat back or wall corner type Urinal wall mounted type including all necessary fittings like inlet pipe & 12.5 mm CP stop cock, outlet CP bottle trap, brass spreaders etc. complete as per approved make (Hindware/Cera/Jaquare/Kohler) of BIS std.	EA	5	5948.00	Not Quoted	Not Quoted
58	CASCADE GROUTING & FIXING PER LEG	Grouting of Cascade with the help of structural steel elements, welding & installation of dash fasteners etc. Work to include welding work, manpower, fabrication of custom made structural steel elements for grouting or fixing the cascades. Wherever RCC beams are available, fasteners are to be fixed & wherever Steel base is available, welding etc work is to be done. The work needs of involvement of skilled manpower. Item to include manpower, transportation, mobilization and material etc (steel angles, plates, channels, fasteners etc) complete to do the job per leg.	EA	34	562.45	Not Quoted	Not Quoted

59	FRP Chhajja	Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings . The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS: 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight. Note - Only plan area of chajjas shall be measured for making payment]	M2	5	5533.30	Not Quoted	Not Quoted
60	PROV & FIXING-TOILET SEAT COVER	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete: Coloured / black/ white solid plastic seat with lid alongwith accessories, material & labour complete in all respects.	EA	68	240.96	Not Quoted	Not Quoted
61	PROV&FIXING-GATE VALVE 32MM NB	Providing & Fixing gate valve of approved quality dismantling the old and damaged one if any 32 mm nominal bore	NO	68	240.96	Not Quoted	Not Quoted
62	Mortice lock- chromium plate	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	EA	17	922.88	Not Quoted	Not Quoted
63	P&F Back Rest for Chair	Providing & fixing back rest for non revolving chair. The foam & fabric shall be of approved quality material to provide comfortable seating. Rates to include all dismantling of old component, necessary material, manpower, transportation, tools, tackles etc.	NO	34	438.31	Not Quoted	Not Quoted
64	Toughened glass door	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double action hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-incharge (rates to include Door handle, lock and stopper etc.).	M2	4	5126.00	Not Quoted	Not Quoted
65	SUPL&FIXING-PLAIN/ FROSTED GLASS 10MM	Providing and fixing Plain/Frosted/Glazing glass panes of 10 mm thickness (weight not less than 25 kg/sqm) in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per directions of engineer-incharge . Cost of aluminium snap beading is included. Rates to include material, necessary bonding material, manpower, transportation, tools & tackles etc.Scaffolding and other accessories included for work at height of upto 3m. Recommended Make: Modi Float/ Saint Gobain	M2	15	882.51	Not Quoted	Not Quoted
66	PROV&FIXING-WASH BASIN WHITE SMALL	P & F wash basin of approved make of BIS std. for normal shape & size 12" x15" or less glazed incl. S/F of 12.5 mm CP angle cock, 12.5 pillar cock, heavy duty flexible pipe & outlet connection complete incl. CI brackets. White.	EA	17	772.03	Not Quoted	Not Quoted
67	PROV&LAYING-KOTA STONE SLAB 25MM THK	Kota stone slab (25mm thick) 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). Item to be used for flooring, risers of steps, skirting, dado and pillars etc complete in all respects. Item to include material, labour, transportation etc complete.	M2	10	1926.58	Not Quoted	Not Quoted
68	DISMANTLING OF BRICKWORK	Demolition of Brickwork (taking all necessary safety precautions) for all heights above & below plinth level including supply of all tools & tackles, necessary scaffolding, propping, underpinning, cleaning and stacking of serviceable material, disposal of unserviceable material outside the IGL boundary limits keeping IGL indemnified of any liabilities from statutory/ local bodies, all complete as specified & directed.	M3	10	1917.38	Not Quoted	Not Quoted
69	PROV&FIXING-GATE VALVE 40 MM NB	Providing & Fixing gate valve of approved quality dismantling the old and damaged one if any 40 mm nominal bore	NO	17	716.07	Not Quoted	Not Quoted
70	PROV&FIXING-PRECAST SLAB M30, 69MM THK	Providing and fixing of precast slab conforming to Class a loading of IRC in trenches of any size,with M30 grade concrete ,contained in MS frame of 3 mm thick with/without lifting arrangement and letter "IGL" inscribed on it,(KK make or equivalent) complete in all respects as per the directios of EIC 69 mm thick	M2	10	1850.72	Not Quoted	Not Quoted
71	P & F- PVC WASTE PIPE	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. -Semi rigid pipe - approx. 40 mm dia.	EA	102	117.80	Not Quoted	Not Quoted
72	S/L signal cable 2 Pair 1.5 mm sq. RS	Supplying and laying signal cable 2 Pair 1.5 mm sq. communication Cable RS-485.	M	1000	18.01	Not Quoted	Not Quoted
73	SUPL/INSTL-GI EARTHING STRIP 25X5 MM	25x5mm Supply , installation and connection of GI earthing strip of following sizes along the cable trenches or cable trays or clamped to wall /structure including welding at joints, providing anti-corrosive paint or bitumen and jute covering for the welded portion, clamping and necessary hardware for connecting etc. including all labour and materials, as per the specifications of this tender and directions of Engineer-in-Charge	M	340	29.58	Not Quoted	Not Quoted
74	P & F C.P. BRASS ANGLE VALVE	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore.	EA	17	564.85	Not Quoted	Not Quoted

75	PROV&FIXING-Ball VALVE 50MM NB	Providing and fixing ball valve (brass) of approved quality, High or low pressure, complete -Ball VALVE 50 MM NB	NO	17	508.98	Not Quoted	Not Quoted
76	Urinal spreader	Providing & fixing G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal.	EA	17	502.36	Not Quoted	Not Quoted
77	Enamel paint	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work.Item includes any scaffolding requirement.	M2	85	97.71	Not Quoted	Not Quoted
78	PROV&FIXING-Check VALVE 50MM NB	Providing and fixing gun metal non- return valve of approved quality (screwed end): 50 mm NB	NO	17	487.18	Not Quoted	Not Quoted
79	PROV&FIXING-Ball VALVE 40 MM NB	Providing and fixing ball valve (brass) of approved quality, High or low pressure, complete -Ball VALVE 40 MM NB	NO	17	475.76	Not Quoted	Not Quoted
80	PROV&FIXING-Check VALVE 40 MIM NB	Providing and fixing gun metal non- return valve of approved quality (screwed end): 40 mm NB	NO	17	474.56	Not Quoted	Not Quoted
81	DISMANTLING-STRUCTURAL STEEL WORK	Dismantling Bolted /welded structural steel work of all descriptions (taking all necessary safety precautions) including supply of all tools & tackles, consumables, necessary scaffolding etc. , providing temporary bracings as required, cutting (by flame or saw as directed) gusset plates, bolts, nuts, welding etc. stacking of serviceable materials, cleaning the site of all unserviceable materials and disposal outside the IGL boundary limits, keeping IGL indemnified of any liabilities from statutory / local bodies, all complete at all depths and heights as specified and directed.	TONNES	10	1150.21	Not Quoted	Not Quoted
82	PROV/LAYING-HALF BRICK WORK IN CM 1:4	Providing and laying half brick work with bricks at all levels of class designation 75 in cement mortar 1:4 (1 cement :4 coarse sand) including providing necessary scaffolding staging, opening, curing, raking out joints providing and placing two Nos.6mm dia M S bars at every fourth course, etc. all complete.	M2	10	1149.28	Not Quoted	Not Quoted
83	S/F STICKER TYPE IGL LOGO	Providing and fixing sticker type IGL Logo at site in proper line & level. The signage letters (Hindi & English) shall be made with premium quality vinyl sheet of approved colour, pasted on "3M"make self-adhesive film of approved colour, including supply of all material labour etc. required for proper completion of work. Before making the signage text & font of letters in best fit size will be set in computer so as to give aesthetic look. Actual size will be as per text setting in the computer. Complete in all respect as per the direction of Engineer in charge.	M2	2	5644.50	Not Quoted	Not Quoted
84	SUPL/FIXING-FLPGLAND OF SIZES UPTO 1"	Supplying and fixing of flame proof Double compression Cable glands for cable entries of sizes up to and including 1 Inch (ET) . The cable glands shall be of make Baliga/FCG/Ex-Protecta / CEAG Control gear / Sudhir Switchgear only and conforming to IS 2148. The cable glands shall be certified OK by Chief Controller of Explosives (CCOE), Nagpur / CMRI.	No.	75	150.22	Not Quoted	Not Quoted
85	HIRE CHARGE-PUMPSET CAP 4000 LTRS/HR	Hire charges of Pump set of capacity minimum 4000 litres/hour. Rate to include transportation, all electrical wirings, connections & related accessories, setting up pump, dewatering from basements, buildings, enclosed areas at various CNG stations, IGL Bhawan, and various buildings. Laborer's charges shall be paid separately.	Day	17	790.23	Not Quoted	Not Quoted
86	Kerb stone	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 joints 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	9723.84	Not Quoted	Not Quoted
87	DISMANTLING PLASTER	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground.	M2	189	50.86	Not Quoted	Not Quoted
88	PROV&FIXING-Ball VALVE 20MM NB	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete -Ball VALVE 20 MM NB.	NO	17	353.01	Not Quoted	Not Quoted
89	SS jet with flexible tube	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	EA	17	337.94	Not Quoted	Not Quoted
90	P/F-DOUBLE SCAFFOLDING SYSTEM	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 thereafter .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc. wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer- in-charge. The elevational height of the scaffolding shall be measured irrespective of work area for payment purpose . The payment will be made once per site irrespective of duration of scaffolding.	M	5	1694.24	Not Quoted	Not Quoted

91	EXCAVATION-EARTH WORK > 3.0M UPTO 5.0M	Earth work in excavation in all kinds of soil except rock in any plan dimension including disposal of excavated earth up to any lead in all conditions, backfilling using serviceable earth and disposal of surplus and unserviceable earth. Soil to be leveled and neatly dressed complete in all respect as per scope of work, detailed construction drawings, as per technical specifications and directions of the Engineer-in-charge. Excavation in earth work beyond 3.0 M depth upto 5.0 M.	M3	17	314.15	Not Quoted	Not Quoted
92	SUPL/INSTL-FLEXIBLE CONDUIT SIZE 1"	Supply & Installation of Flexible Conduit of size upto and including 1 Inch for mechanical protection of the under ground cables. The job shall be complete in all respects including the cost of all materials, tools, labour, etc. as per this technical specification, applicable drawings, Special Terms & Conditions of this tender and as per directions of IGL's Engineer In Charge.	M	600	13.51	Not Quoted	Not Quoted
93	AERATED CEMENT BLOCKS	Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).	M3	1	7895.70	Not Quoted	Not Quoted
94	Providing & Fixing sun film	Providing & Fixing of Sun film to glass panes at all heights and all locations, reflective type @ 25microns incl the cost of material and as per the Instructions of EIC.	M2	36	144.46	Not Quoted	Not Quoted
95	CORE CUTTING FOUNDATION >600MM WITH SPEC	Core cutting in RCC/PCC/brickwork by mechanical means. The diameter of core will be 300 mm & depth from 600 mm to 1200 mm. All necessary tools, labour etc. are including in the item.	NO	5	1499.63	Not Quoted	Not Quoted
96	SUPL & LAYING-GI PIPE 150 MM INCL FITTING	Providing & laying, jointing, fixing & testing G.I pipe lines incl. Fitting like tees, bends, sockets, elbows etc. in trenches/ in the ground/ on wall, threading & testing etc. complete using approved make ISI B class G.I pipe & fittings 150 mm internal diameter, generally for external works including trenching & refilling.	M	5	1428.06	Not Quoted	Not Quoted
97	DEMOLITION-PCC WORK	Demolishing PLAIN CEMENT CONCRETE (PCC) work (taking all necessary safety precautions) for all depths below plinth level including supply of all tools & tackles, necessary scaffolding, propping, underpinning etc., disposal of unserviceable material outside the IGL boundary limits keeping IGL indemnified of any liabilities from statutory / local bodies, all complete as specified & directed. (Excavation & Backfilling shall be paid separately under relevant items).	M3	5	1399.38	Not Quoted	Not Quoted
98	SS RAILING	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	10	691.17	Not Quoted	Not Quoted
99	Chromium plated brass handles	Providing and fixing chromium plated brass handles with necessary screws etc. complete: 125 mm	EA	17	255.70	Not Quoted	Not Quoted
100	PROV&LAYING- MARBLE	Supplying, laying, grinding, polishing 18 to 20 mm thick Machine cut Marble stone, as per sample of marble recommended by IGL, for flooring, dispenser island and any other location of required shape including 20 mm bedding cement mortar 1:4 along with adhesive admixture for better adhesion and jointed with white/grey cement slurry or jointed with epoxy tile joint filler of required colour. All the work to be completed in all respect and as per direction of IGL. Recommended Make of adhesive: Ferrous Crete/ Ardex Endure (Goldstar)/ Pidilite (Fevimate XI)/ MYK Laticrete	M2	5	1325.47	Not Quoted	Not Quoted
101	PROVIDING, LAYING, SPREADING AND COMPACTING GRADED STONE AGGREGATE	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	M3	2	3165.04	Not Quoted	Not Quoted
102	PROV&FIXING-Ball VALVE 32 MM NB	Providing and fixing ball valve (brass) of approved quality, High or low pressure, complete -Ball VALVE 32 MM NB	NO	17	226.34	Not Quoted	Not Quoted
103	PROV&FIXING-Ball VALVE 25 MM NB	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete -Ball VALVE 25 MM NB	NO	17	225.15	Not Quoted	Not Quoted
104	Double action floor spring	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness.	EA	2	2764.51	Not Quoted	Not Quoted

105	SUPL & LAYING-GI PIPE 50 MM INCL FITTING	Providing & laying, jointing, fixing & testing G.I pipe lines incl. Fitting like tees, bends, sockets, elbows etc. in trenches/ in the ground/ on wall , threading & testing etc. complete using approved make ISI B class G.I pipe & fittings 50 mm internal diameter, generally for external works including trenching & refilling.	M	5	1008.11	Not Quoted	Not Quoted
106	SUPL & LAYING-GI PIPE 100 MM INCL FITTING	Providing & laying, jointing, fixing & testing G.I pipe lines incl. Fitting like tees, bends, sockets, elbows etc. in trenches/ in the ground/ on wall , threading & testing etc. complete using approved make ISI B class G.I pipe & fittings 100 mm internal diameter, generally for external works including trenching & refilling.	M	5	934.73	Not Quoted	Not Quoted
107	SUPL & FIXING-BOTTLE TRAP 32MM CP	Supplying & fixing the following items with water proofing joints including removal of old one if any-32 mm CP bottle trap (Gen or equivalent)	EA	17	176.51	Not Quoted	Not Quoted
108	PROV&FIXING-GATE VALVE 25 MM NB	Providing & Fixing gate valve of approved quality dismantling the old and damaged one if any 25 mm nominal bore	NO	17	176.50	Not Quoted	Not Quoted
109	Urinal cock	Providing and fixing PTMT urinal cock of approved quality and colour. 17.76.1 15 mm nominal bore, 80 mm long, 42 mm high and 30mm wide with BSP female threads weighing not less than 48 gms.	EA	17	169.28	Not Quoted	Not Quoted
110	Hiring of mason/carpenter/plumber.	Hiring of mason/carpenter/plumber/glazier.	Day	5	845.55	Not Quoted	Not Quoted
111	ELECTRICAL POLE REPAIR WITH RCC WORK	Cutting of electrical pole such that the rusted portion is separated, dismantling RCC & PCC, digging for foundation, providing & laying RCC M-25 (1:1:2) for foundation of Pole, re-erecting the remaining pole, backfilling & laying of PCC & RCC. Item to include material, labour, equipment etc complete in all respects. Painting of pole to be done.	EA	2	2076.51	Not Quoted	Not Quoted
112	CHECKING OF RAINWATER HARVESTING SYSTEM	Checking of rainwater harvesting systems at stations manually by opening the manhole covers etc, tanks etc. Purpose of checking is to establish that whether the system is functioning properly. Item to include manpower, transportation, tools, tackles etc. to check the system.	NO	2	2027.51	Not Quoted	Not Quoted
113	PROV&FIXING-CLAMP GI/MS, 100MM PIPE	Providing and fixing GI/MS clamps with iron nails/ Anchor Fasteners for pipe and fittings at all levels including removal of old and damaged one if any100 mm dia pipe	NO	85	31.15	Not Quoted	Not Quoted
114	P&F patch lock	Steel patch lock for swing door-Dead bolt projection of 15mm (single throw), Three high security computer keys, With ss 304 cover. Dimensions : 6 x 6.4 x 19.6 cm; 850 Grams.	No.	2	2000.00	Not Quoted	Not Quoted
115	PVC rain water pipe-110 mm	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. 110 mm diameter. Items to include all accessories required for work completion.	M	10	360.97	Not Quoted	Not Quoted
116	PROV/FIXING-PRECOATED TRAPZ SHEET 0.6MM	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.60 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto 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.	M2	5	645.85	Not Quoted	Not Quoted
117	SUPL & LAYING-GI PIPE 32 MM INCL FITTING	Providing & laying, jointing, fixing & testing G.I pipe lines incl. Fitting like tees, bends, sockets, elbows etc. in trenches/ in the ground/ on wall , threading & testing etc. complete using approved make ISI B class G.I pipe & fittings 32 mm internal diameter, generally for external works including trenching & refilling.	M	5	636.25	Not Quoted	Not Quoted
118	Supply and installation of wall paper	Supply and installation of waterproof PVC wall paper (min. 2 mm thick) as per approved design & shade.	M2	5	622.37	Not Quoted	Not Quoted
119	Hiring of labour	Hiring of labour- Hiring labour for 8 hrs for general jobs as per instruction of EIC. The manpower so hired shall be healthy enough for particular jobs.	Day	5	602.83	Not Quoted	Not Quoted
120	SUPL&FIXING-PLAIN/ FROSTED GLASS 12.0MM	Providing and fixing Plain/Frosted/Glazing glass panes of 12 mm thickness (weight not less than 25 kg/sqm) in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per directions of engineer-in-charge . Cost of aluminium snap beading is included. Rates to include material, necessary bonding material, manpower, transportation, tools & tackles etc. Scaffolding and other accessories included for work at height of upto 3m. Recommended Make: Modi Float/ Saint Gobain	M2	5	584.61	Not Quoted	Not Quoted

121	CPVC pipe-concealed-20 mm	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. 20 mm nominal outer dia Pipes.	M	5	579.97	Not Quoted	Not Quoted
122	REPAIR OF ROLLING SHUTTER	Repairing of existing rolling shutter installed at existing IGL establishments. Works to include ease the functioning of shutters complete in all respects. Item to include manpower, materials, tools & tackles etc complete in all respects. Any material other than main sheet and base structure of shutter included under this item. Arc welding required for the purpose included under this item.	NO	2	1447.56	Not Quoted	Not Quoted
123	PROV&FIXING-URINAL WALL MOUNTED, FITTING	Providing and fixing white glazed flat back or wall corner type Urinal wall mounted type including all necessary fittings like inlet pipe & 12.5 mm CP stop cock, outlet CP bottle trap, brass spreaders etc. complete of approved make of BIS std.	EA	2	1401.65	Not Quoted	Not Quoted
124	CORE CUTTING FOUNDATION<=600 MMWITH SPEC	Core cutting in RCC/PCC/brickwork by mechanical means. The diameter of core will be 300 mm & depth up to 600 mm. All necessary tools, labour etc. are including in the item.	NO	2	1383.43	Not Quoted	Not Quoted
125	water proofing-fibre reinfo. elastomeric	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	M2	5	535.27	Not Quoted	Not Quoted
126	Repairs to plaster:12-20 mm	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand).Item includes any scaffolding requirement.	M2	5	521.89	Not Quoted	Not Quoted
127	PROV&FIXING-GATE VALVE 50MM NB	Providing & Fixing gate valve of approved quality dismantling the old and damaged one if any 50 mm nominal bore	NO	5	519.13	Not Quoted	Not Quoted
128	water proofing-APP	Providing and laying in situ five course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric membrane over roof consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd & 4th courses of bonding material @ 1.20 kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd layer of roofing membrane APP modified Polymeric membrane 2.0 mm thick of 3.00 Kg/ sqm weight consisting of five layers prefabricated with centre core as 100 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 5th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately).	M2	5	513.42	Not Quoted	Not Quoted
129	P&F water tank PVC covers	Supplying & fixing of PVC covers for water tanks. The water tank shall have suitable locking arrangement after fitting into water tank. The items to include all transportation, material, labour etc.	no.	17	95.34	Not Quoted	Not Quoted
130	CPVC pipe-external work-32 mm	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-32 mm nominal outer dia Pipes.	M	5	491.13	Not Quoted	Not Quoted
131	2 mm thick fibresheet	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 rovigs 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 flat sheet.	M2	2	1183.65	Not Quoted	Not Quoted
132	Removing of all type of paints	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. Item includes any scaffolding requirement.	M2	97	23.54	Not Quoted	Not Quoted
133	WIRE GAUZE	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete-Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	M2	2	1096.78	Not Quoted	Not Quoted

134	Prov & Fix Particle Board	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per drawings and directions of engineer in-charge or his representative. Pre-laminated particle board with decorative lamination on both sides Recommended Make: Century / Duro/ Greenply/Action Tesa/ Merino/ Archid Ply	M2	2	1073.64	Not Quoted	Not Quoted
135	REMOVAL & REFIXING OF PAVER BLOCKS	Removal & Refixing of paver blocks including labour, sand, leveling & compaction etc. complete in all respects. Settled floor to be dismantled, repaired & pavers to be laid again in the required level. PCC/RCC if required to be paid separately.	M2	5	409.00	Not Quoted	Not Quoted
136	P&F- CHOWKHAT & DOOR -AL FRAM	PROVIDING & FIXING POWDER COATED (50 MICRON THICKNESS) ALUMINIUM DOOR WITH THE DOOR FRAME, DASH FASTNERS, LOCK, DOOR CLOSURE, TOWER BOLT, HINGES, HANDLE, STOPPER, RUBBER, PVC BEADING, GLAZING CLIP ETC COMPLETE IN ALL RESPECTS. (FIXED DOOR FRAME/ CHOWKHAT TO BE FIRMLY GROUTED/FIXED IN EXISTING WALLS/RCC) FIXED DOOR FRAME SIZE -100x40 (minimum 16 gauge or thicker as per requirement), TOP & BOTTOM HORIZONTAL MEMBERS OF DOORS ARE TO BE OF SIZE 100x40 MM (minimum 18 gauge or thicker as per requirement) LONG STANDING MEMBERS & HORIZONTAL BELT MEMBER ARE TO BE OF SIZE 45x45 MM (minimum 18 gauge or thicker as per requirement). RATE TO INCLUDE MATERIAL, TRANSPORTATION, LABOUR, ACCESORIES, TOOLS & TACKLES ETC COMPLETE IN ALL RESPECTS. Item to include 5 mm thick float glass & particle board of novapan 12mm thick or ACP Panel board of approved brand and specifications.	M2	2	934.43	Not Quoted	Not Quoted
137	Aluminium door stopper	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	17	70.27	Not Quoted	Not Quoted
138	EXCAVATION-NOT EXCEEDING 1.5 M WIDTH	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.	M3	5	323.82	Not Quoted	Not Quoted
139	S PIANO HINGES 35 MM WIDE	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete.Overall width 35 mm.	M	5	319.42	Not Quoted	Not Quoted
140	Cylindrical lock	Stainless Steel Matt Finish Round Cylindrical Door Lock with minimum 3 Keys. Key operation from outside and push button from inside., 6 pins cylinder, ANSI grade-3, 60 mm basket.	No.	2	780.00	Not Quoted	Not Quoted
141	P&F- POLYMER CEMENTITIOUS COATING	Providing & applying 3-5 mm thick layer of polymer cementitious coating for car parks and industrial floors with high abrasion & impact assistance, excellent adhesion to concrete and good waterproof properties. To be applied as per manufacturer's instructions after properly cleaning of surface with wire brush & applying suitable recommended primer. Treatment required for forecourt, where continues vehicular movement of cars, buses & RTVs etc is expected. The product will be required to fill potholes with quick setting ability, so that within 72 hours of shutdowns the floor can be opened for vehicles. Minimum one year warranty is to be given by vendor for the repaired surface. Item to include filling of the pothole (up to 25MM) , providing coating, material, labour complete in all respects.	M2	5	311.48	Not Quoted	Not Quoted
142	CPVC pipe-external work-20 mm	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-20 mm nominal outer dia Pipes.	M	5	310.73	Not Quoted	Not Quoted
143	Toilet paper holder	Providing and fixing toilet paper holder : C.P. brass	EA	2	768.56	Not Quoted	Not Quoted
144	FILLING-EARTH WORK FROM AVAILABLE SOIL	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.	M3	5	286.68	Not Quoted	Not Quoted
145	Tower bolt-150 mm	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :150x10 mm	EA	5	262.24	Not Quoted	Not Quoted
146	Tech 12 Concrete Repair Material	Item include labour and Tech 12 Concrete repair material required for epoxy floor preparation. Item includes cost of any other petty items required and all tools tackles required for surface preparation.	KG	5	250.00	Not Quoted	Not Quoted
147	EXCAVATION-EXCEEDING 1.5 M WIDTH	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge- in All kinds of soil.	M3	5	231.93	Not Quoted	Not Quoted
148	P & L INDUSTRIAL EPOXY FLOORING	Providing and laying industrial epoxy flooring. Item to include Surface Cleaning and preparation of industry level. Three coats of 100% epoxy on cleaned surface with curing period of 12 hours for each coat at atleast. Item includes addition of anti-skid additives for more traction. Tools ,Degreasing solution, Vacuum, labour, equipment, mobilization and any supporting item included under this head. Color as per requirement of Engineer-In-Charge. Mobilisation to be given under respective head.	SQFT	10	110.00	Not Quoted	Not Quoted

149	Texture paint	Finishing walls with textured exterior paint of required shade :Old work (Two or more coats on existing paint surface applied @ 3.28 ltr/10 sqm. Item includes any scaffolding requirement.	M2	5	216.07	Not Quoted	Not Quoted
150	PROVIDING & LAYING BRICKBATS	Providing & laying Brickbats including transportation in tractor trolley/ truck, labour & material etc complete. Mainly to be used in soak pits, potholes etc. Brick of class-2 & 3 should be used.	M3	5	193.01	Not Quoted	Not Quoted
151	PVC pipe fittings	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. Fittings like; coupler, tee, bend, shoe etc.	EA	10	96.15	Not Quoted	Not Quoted
152	PROV&FIXING-GATE VALVE 20MM NB	Providing & Fixing gate valve of approved quality dismantling the old and damaged one if any 20 mm nominal bore	NO	5	155.74	Not Quoted	Not Quoted
153	DISMANTLING ROOFING	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:G.S. Sheet	M2	5	153.53	Not Quoted	Not Quoted
154	Repairing of wooden doors	Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	EA	2	367.96	Not Quoted	Not Quoted
155	DISMANTLING DOOR/WINDOWS	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead.	EA	2	341.72	Not Quoted	Not Quoted
156	DISMANTLING CISTERN/WC/WB	Dismantling of flushing cistern/ WC/ washbasin of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	EA	5	124.97	Not Quoted	Not Quoted
157	BUTT HINGES-100 MM	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :100x58x1.90 mm.	EA	5	97.25	Not Quoted	Not Quoted
158	Gap filling	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.Upto 5mm depth and 5 mm width.	M	5	96.24	Not Quoted	Not Quoted
159	Towel ring for washrooms	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm 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	231.09	Not Quoted	Not Quoted
160	Aluminium paint	Painting with aluminium paint of approved brand and manufacture to give an even shade: One or more coats on old work.Item includes any scaffolding requirement.	M2	5	89.63	Not Quoted	Not Quoted
161	Dismantling roofing aesbestos	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:Aesbestos sheet	M2	5	71.97	Not Quoted	Not Quoted
162	Extension nipple-15mmx50mm	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	EA	5	69.65	Not Quoted	Not Quoted
163	Dismantling tile work in floor	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead-For thickness of tiles 10 mm to 25 mm.	M2	5	68.30	Not Quoted	Not Quoted
164	DISMANTLING ALUMINUM/ GYPSUM PARTITIONS	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	M2	5	52.49	Not Quoted	Not Quoted
165	PROV. & FIXING-PVC PIPES-100 MM	Providing & Fixing of PVC Pipes-100 mm alongwith bend, clamps, labour, fixing material, sealent etc complete. Pipe to be used for fixing in roofing & ceiling for draining of rainwater above canopy. PVC pipe to be provided along canopy column & drain to be left at forecourt for gentle drainage of rain water. System to made waterproof that is no water should leak from the joint of pipe & canopy Roofing/Ceiling.	M	5	46.72	Not Quoted	Not Quoted
166	Butt hinges-50 mm	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :50x37x1.50 mm.	EA	5	40.64	Not Quoted	Not Quoted
167	Magnetic catcher	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. Double strip (horizontal type).	EA	5	38.55	Not Quoted	Not Quoted
168	DISMANTLING BARBERED WIRE	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead.	M	5	38.25	Not Quoted	Not Quoted
					Total Amount excl. of GST (INR)		-
					GST @%		18.00%
					Total Cost incl. of GST(INR)		Not Quoted