

BEML LIMITED, BANGALORE					
TENDER REF: 6300039475			Date: 28.04.2025		
ISSUED TO:		Period of contract:	Six Months (06 Months)		
		EMD :	Rs. 2,96,800/-		
Sub: Upgradation of Existing VIP Dining Hall at First Floor in admin Canteen, Bangalore Complex, BEML Limited, Bangalore					
SCHEDULE 'A' - BILL OF QUANTITIES					
Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
	REMOVAL / TRANSPORT OF VARIOUS ITEMS/MATERIALS				
1	Removal of existing wall panelling of ply board in passage wall and window side area and transport the same away from site as per instructions / details given by architect / BEML authorities under the supervision of electrical contractor / electrician / electrical supervisor / beml authority to know the lighting wiring before removal of panelling.	Sq.m	98.00		
2	Removal of existing wooden panel false ceiling in passage area and transport the same away from site as per instructions / details given by architect / BEML authorities under the supervision of electrical contractor / electrician / electrical supervisor / beml authority to know the lighting wiring before removal of false ceiling.	Sq.m	30.00		
3	Removal of existing tables and steel tables / counters and transport the same to the location as prescribed by BEML authority.	Nos.	15.00		
4	Removal of wooden curtain wall near food area and near toilet area and transport the same away from site as per instructions of BEML /architect.	Sq.m	43.40		
5	Removal of chairs in existng VIP dining area and transport the same away from site as per instructions of BEML /architect.	Nos.	60.00		
6	Removal of existing dining entry area woodendoor, aluminium partition door, toilet entrance door, store room, proposed pantry area door and transport away from site.	Nos.	6.00		
7	Removal of existing window grills, window shutters, ventilator shutters and transport the same away from site.	Sq.m	50.00		
	INTERIOR WORKS				
	Full height partition with partly glazed panel in between Executive dining hall and VIP dining Hall : Providing and fixing metal stud dry wall partition with following specifications: Supporting system comprising of 51mm / 50mm x 35mm / 34mm x 0.5mm metal GI studs at 600mm c/c and 51mm / 50mm x 32mm x 0.5mm metal tracks at floor, middle, door and ceiling level with joints staggered to avoid through joints. The vertical members should touch the ceiling with horizontal ceiling channel at slab / beam bottom. The rate should also include necessary strengthening with studs / tracks or channels at doors and other openings. 4mm approved quality veneer sheet fixed on both sides of 8mm ply board of BWR grade with star screws for the entire height of the partition.				

8	<p>Partition fixed with 4.0mm approved colour and make veneer with approved colour of melamine polish. From 1070 mm level to 2135 mm level to have 8mm clear float glass fixed with with 85mm x 15mm around jamb and 12mm x 12mm button beading on both sides of the glass, to a neat finish as per drawings and directions etc., complete. The glass sizes subject to design drawing etc. All beech wood members to have minimum two coats of LOW VOC or NO VOC white duco paint finish / wood polish . PLYWOOD CONFIRMING TO IS: 303. – BWR GREEN PLY/ SAMRAT/ CENTURY/ ARCHID)(Veneer - Century, Archid , Duroply)</p> <p>(ADHESIVES- FEVICOL SH / VAMICOL/ JEEVANJORE) The partition and supports will be upto roof ceiling to be done. The measurement will be given upto below false ceiling. All sections used should adhere to the manufacturers guidelines and the contractor has to submit certificate from the manufacturer on usage of their specified sections (SCREWS-GKW NETTLEFOLD/ TEKNIC FASTNERS)</p>	Sq.m	48.00		
9	Full height solid partition in front of toilet : Same as item No.6 but without glass panel for the storage area etc. complete as per instruction of architect / engineer in charge. (PLYWOOD – BWR GREEN PLY/ SAMRAT/ CENTURY/ ARCHID)(Veneer - Century, Archid , Duroply)	Sq.m	20.00		
10	Full height Glass partition for proposed dining area north, east side: Providing and fixing 12mm thick toughened plain glass fixed to the partition wall with fish plate for wall, inline with wall outer edge and steel vertical I sections and open cutout for fixing of upvc windows and edges to be finished with machine polish etc. complete as per instructions of architect / design and drawing.	Sq.m	95.00		
11	Same as item No.6 but both sides finished with 12mm thick bison board partition for kitchen area, store area, kitchen back side area etc. complete with as per instructions of architect.	Sq.m	40.00		
12	MEDIUM HEIGHT PARTITIONS (FOR VIP DINING HALL): Same as full height partition Solid above, but for height of 1200mm from finished floor level, to a neat finish and as per instructions of architect / engineer in charge. The edges of partition wall finished with beech wood beading and finished with minimum two coats of LOW VOC or NO VOC white duco paint finish / wood polish. etc. complete as per instructions of architect / engineer in charge. Above 900mm from floor level with either side proper support 8mm clear float glass for an height of 300mm to be fixed.	Sq.m	12.00		
13	32MM DOORS IN PARTITIONS FOR EXECUTIVE DINING AREA AND TOILET AREA- with glass panel: Providing and fixing 32mm thick solid core flush shutter with 85mm x 35mm beech wood frame with rebate around the jamb and shutter fixed with 1mm Laminate as specified on both sides with glass panel of 8mm clear float glass fixed with 19 x 19mm beading on both sides and glass pasted with 3M privacy film as per design. The rate to include necessary hardware viz., door stopper, door buffer, pair of "H" type handles, Mortise Dead Lock and Euro Profile Cylinder - Key and Knob 70mm SS, SS 2 ball-bearing hinges - (127mm x 76mm x 2.5mm), door closer (all of approved make and quality), ZERO VOC or NO VOC white duco paint finish for all beech wood members, etc., complete as directed. (VENEER - sunmica, Greenlam, Archid).	Sq.m	16		

	For all doors, salwood frame of 5"x2 1/2" will be fixed to wall / partition and shutters will be fixed with sal wood frame. The glass size approximately 2'0" wide and 3'0" depth as per design. (FLUSH DOOR – CONFIRMING TO IS : 2202(Part – 1) – 1991- GREENPLY / CENTURY PLY/ UNIPLY)(Glass -SAINT GOBAIN / GUJRAT GUARDIAN / MODIFLOAT)(HARD WARE -HETTICH/ EBCO/ GODREJ) (ADHESIVES- FEVICOL SH / VAMICOL/ JEEVANJORE)(Veneer - Century, Archid , Duroply)(SCREWS-GKW NETTLEFOLD/ TEKNIC FASTNERS)(FLOOR SPRING / DOOR CLOSER-DOORSET / OZONE/ HARDWYN) veneer cladding to be done for the shutters.				
14	WALL PANELLING : Providing and fixing LAMINATE WALL paneling over the 50X35mm sal wood frame work at spacing not exceeding 600mm c/c fixed to the wall and top covered out of 4mm thick approved quality veneer fixed over 8mm thick ply of approved brand termite and water resistant,Edges to be finished with beach wood beeding with melamine polisd. complete including cost and conveyance of all materials,labour for all items of work HOM etc.,complete as per specifications near window area in executive dining cabin and vip dining cabin wall area with details and design as approved inclusive of niche.(Below window sill at both executive dining cabin and vip dining cabin area and 600mm wide at window edges as per design upto below false ceiling)	Sq.m	108.00		
15	LOW HEIGHT STORAGE(upto 750mm ht.) for placing writing ledge and for placing plates, cups and saucers : Providing and fixing low height storage made out of 19mm ply board of bwr grade and finished with 1mm thick approved colour laminate matching to veneer of partition and top fixed with 12mm thick granite slab and shutters with all necessary fixtures etc.complete as per instructions of architect.(Basic price of Granite Rs.120/sft)	Sq.m	13.00		
16	EXECUTIVE DINING TABLE WITH CHAIRS : Providing and placing in position with Damro make (Wellington 6 Seater Dining Table Set SKU: WCWG001-NE02/Dark Walnut+WTWG001) Dark Walnut solid wood / veneered table top with 1840mm x900mm x 750mm with lacquered finish and and chair of size 450mm x 450mm x1000 mm ht.with good quality cushioned seates in modern style as per manufacturers detail etc.complete or equvilent.	No	3.00		
17	VIP DINING TABLE : Providing and placing of Damro make vision 4 seater dining table with solid wood structure MDF with veneer top of premium type and fabic material with size 110cm x 70cm x 76 cm ht. and vision dining chair of 42cm x 50cm x 90cm with matte lacqured and upholstered seats in premium fabric modern style as per manufacturers details or equvilent.(Model: SKU:WDVN001-NARO5/CHERRY)	No	9.00		
18	TABLES FOR PROPOSED DINING : Providing and placing of Urban ladder make Wesley dalla 4 seater round glass top dining table with dark walnut finish with size 122 cm diameter with glass top and 4 diniing chairs set of Dall with grey finish or equvilent make etc.complete.	No	9.00		

19	<p>Doors with 12mm toughened glass at entrance passage area : Providing and fixing in position framesless glass entrance door with necessary fittings like floor springs of 120 kg loading capacity, SS handles, lock at centre area pivot etc.complete of approved make as per instructions of architect / engineer in charge. (GLAZING - KONICA, , MODIGUARD, SAINT GOBAIN)(HARD WARE-HETTICH/ EBCO/ GODREJ)(FLOOR SPRING / DOOR CLOSER-DOORSET/OZONE/HARDWYN)</p>	Sq.m	16.00		
20	<p>UPVC SLIDING WINDOWS:Providing and fixing factory made uPVC white colour sliding glazed window upto 1.95 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc.</p> <p>After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. Three track three panels sliding window with fly proof SS wire mesh(Two nos. glazed of tinted type / sunlight control film to be provided & one no. wire mesh panels)made of (small series) frame 92 x 44 mm &sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension (Area of window upto 1.75 Sq.m). and for providing heavy sheet float glass panes instead of ordinary float glass in glazed doors, windows and clerestory window shutters with 6 mm thick glass panel (Fenesta Make UPVC window, LG Hausys, AIS windows) etc.complete as per instructions of Engineer - in charge. For 12mm glass area upvc windows proper support to be provided to fix the upvc windows.</p>	Sq.m	75.00		
21	<p>Gypsum board plain false ceiling with 2 levels for executive dining, vip dining and proposed dining area : Providing and fixing Concealed Grid suspended ceiling system of 12.5mm Gypsum Boards / Standard Plaster Boards fixed to ceiling Frame Work as per manufacturers instructions and details for a concealed grid key lock suspended ceiling system consisting of following: 27 x 37 x 1.6mm Soffit Clip, 5mm suspension rod / 25 x 10 x 0.5mm Ceiling Angle, adjustable spring loaded suspension clip / 2.64mm dia Connecting Clip, 20 x 28 x 30 x 0.5mm Perimeter Channel, Top Cross Rail of 3000mm long of 0.55BMTFurring Channel / 15 x 45 x 15 x 0.9mm Intermediate Channel and 4000mm long made of 0.5mmBMT the Top Cross Rail / 80 x 26 x 0.5mm</p> <p>Ceiling Section to be suspended from ceiling at every 1200mm and Furring / Intermediate Channel to be fixed to Top Cross Rail / Ceiling Section at every 600mm to make a grid of 1200 x 600mm. All sections used should adhere to the manufacturers guidelines and the contractor has to submit certificate from the manufacturer on usage of their specified sections.Further the rates to include cutouts for lighting fixtures / AC grilles / Fire Alarm Detectors etc.,</p>	Sq.m	265.00		

	along with necessary strengthening and supports for fixing of these. The board joints are to be flush finished with jointing compound and paper tape etc., complete as directed. The ceiling shall be finished with 2 coats of premium emulsion paint over primer putty etc complete(GI SUPPORT SYSTEM FOR FALSE CEILING - HUNTER DOGULAS / GYPROC / ARMSTRONG)(Gypsum Board - Gyproc / Gypsum / saint Gobain make)(PLASTER BOARDS. GYPROC/ LAFARGE/ KNAUF)(Make : ASIAN / NIPPON / BERGER / KANSAI NEROLAC)				
22	VENEER FALSE CEILING FOR EXECUTIVE DINING, PROPOSED DINING AND VIP DINING AREA, PASSAGE AREA : Providing & fixing veneer false ceiling same as gypsum false ceiling, instead of gypsum panel veneer of 4mm with 3 coats of melamine spray polish to a finished items etc.complete as per instructions of the architect with an groove of 3/4"x 3/4" in the veneer as per instructions of architect and groove neatly finished with polish etc.complete.	Sq.m	150.00		
23	ROLLER BLINDS : Providing and fixing in position of Roller Blinds of approved Fabric of Hunter Douglas / Mac / Vista Levalor make or approved equivalent of approved shade etc., as directed.(for UPVC windows in executive cabin and partition between executive and vip dining area)	Sq.m	45.00		
24	CENTRE TABLE : 450 x 910 x 450mm (H) - Laminate Manufacturing and supplying center tables as per the following specifications. Table top overall size 450 x 910mm made of 25mm BB and fixed with 8mm thk glass on top. Support structure with 4 nos legs of B.W 50 x 50 and horizontal ties around at top and bottom of B.W 37.5 x 37.5 All edge beadings, nails, screws, adhesives etc. All wooden surfaces finished with melamine spray polish. Table top shall be provided with 6mm thk clear glass and cut to table top shape . All glass edges shall be machine polished.	No	1.00		
25	PLANTER BOX : Providing planter boxes of size 530mmx530mmx450mm ht fabricated using 19mm thick MR grade com plywood .All the external and internal surfaces shall be finished with 1mm thick laminate and the exposed edges shall be provided with 19mm wide,6mm thk TW beading and neatly polished.The planter box shall be provided with a GI tray using 22 guage GI metal all as per architect's instructions.	No	10.00		
26	DRESSING MIRROR : Providing and fixing Dressing Mirror with 4mm mirror of approx size 760 x 1220mm pasted on 12mm EG-MDF sheet and fastened to wall surface with SS studs including polished /chamfered edges for mirror, PVC edge banding for EG-MDF and all accessories etc complete	No	5.00		
27	Three seater sofa of approved brand with artificial leather (Godrej , Featherlite, Eurotech) for visitors : Supplying and placing in position sofa sets as per the design and drawing of size 1250 mm x 760 mm x 760mm , of seating height 400 mm with good quality artificial leather of approved make ,color texture with 52-53 density sponge with strips z-springs with side and back rest slight slope etc complete This rate includes cost of all materials, labor, and taxes, lead and lift, to the place of work.	Nos.	3.00		
CIVIL WORKS					
REMOVAL OF EXISTING VARIOUS WORKS					

28	Dismantling the existing old mosaic floor/wall tiles including cement mortar bedding layer and disposal of unusable materials /debris outside the site premises to a distance not exceeding 5.0 KM not objected by local civic authorities including lead ,lift etc,complete all as specified and directed by Engineer in Charge. Note: 1) The dismantled materials shall be removed immediately from the premises without disturbing the regular production activities . 2) The rate quoted for the item shall deemed to include for providing and removal of scaffolding/staging wherever necessary.	Sq.m	232.00		
29	Dismantling the existing Brick masonry wall in any thickness and disposal of unusable materials/ debris outside the site premises to a distance not exceeding 5.0 KM not objected by local civic authorities including lead ,lift etc,complete all as specified and directed by Engineer in charge.Note: 1) The dismantled materials shall be removed immediately from the premises without disturbing the regular production activities. 2) The rate quoted for the item shall deemed to include for providing and removal of scaffolding/staging wherever necessary. (230mm thick or more thick wall)	Sq.m	31.00		
30	Dismantling the existing Brick masonry wall in any thickness and disposal of unusable materials/ debris outside the site premises to a distance not exceeding 5.0 KM not objected by local civic authorities including lead ,lift etc,complete all as specified and directed by Engineer in charge.Note: 1) The dismantled materials shall be removed immediately from the premises without disturbing the regular production activities. 2) The rate quoted for the item shall deemed to include for providing and removal of scaffolding/staging wherever necessary. (115mm thick or more thick wall)	Sq.m	53.00		
31	Removal of existing plastering upto roof height in passage area	Sq.m	105.00		
32	Removal of existing chejja at east side of existing vip dining	Sq.m	15.00		
33	Construction of 0.115m thick brick wall for toilet and pantry wall including upto roof height in CM 1:4 propn. including curing, shuttering work etc.complete.	Sq.m	180.00		
34	Rendering/Plastering 20mm thick in Cement Mortar 1:4 on fair faces of brick or concrete surfaces including finishing the surface smooth and even including curing,tools & tackles at all levels and height etc., complete all as specified and directed by Engineer in charge. Note:- The rate quoted for the item shall deemed to include for providing and removal of scaffolding/staging wherever necessary.	Sq.m	607.00		
35	Providing, mixing and laying in position Reinforced Cement Concrete M20 grade of mix proportion 1:1.5:3, using 20mm graded down size granite aggregate for Lintel Beams , etc complete including curing, Vibrating, compacting, finishing,dewatering wherever necessary including lead, lift etc., complete all as specified and directed by Engineer in charge. Note: a) Reinforcement shall be measured and paid separately under relevant item. b) The rate quoted by the Contractor for the item is deemed to include for providing and removal of form work/centering/shuttering wherever necessary.	Cum	5.00		
36	Same as item No. but for steel stud columns plate fixing with RCC band of size 230mm width,230mm depth to the parapet wall length etc.complete as per instructions of architect.	Cum	3.00		

37	<p>Providing & laying in position Fe 500 grade TMT bars in reinforcement conforming to relevant IS in various diameters, locations & levels, cut to length and bent to shape required, binding spirally with MS wire (annealed) of size not less than 0.9 mm dia including all lead, lift, etc., complete all as specified and directed by Engineer in charge. NOTE: a) The rate quoted for the item is deemed to include for cement mortar cover blocks as per the requirement at site and providing and removal of scaffolding/staging wherever necessary. b) Reinforcement will be measured based on actual quantity placed in position on standard weight basis, no allowance will be made for rolling margin. c) Only authorized laps, chairs and spacers shall be measured and paid.</p>	KGS	2.00		
38	<p>CINDER FILLING IN VIP DINING AND EXECUTIVE DINING TOILET AREA : providing and filling new cinder to the common toilet area and WC including removing existing cinder, and disposal of unusable materials /debris outside the site premises to a distance not exceeding 5.0 KM not objected by local civic authorities including lead ,lift etc,complete all as specified and directed by Engineer in Charge.</p>	cum	6.00		
39	<p>WATERPROOFING OF SUNKEN/ CINDER FILLED AREA: Providing water proofing treatment over sunken slabs of toilets using admixtures of CERA/FOSROC/SIKA/DR.FIXIT/ASIAN or other approved equivalent make with standard procedures specified by manufacturer and approved by the Engineer in Charge. The treatment to be carried out by authorised applicator of the approved manufacturer. (For floor, sides of wall upto lintel level in EWC and IWC room area)</p> <p>The brief methodology to be followed are as below :Cleaning the surface with wire brush on the slab to remove all deleterious matters.Cutting of 'V' grooves along the cracks and wall-slab joints and filled with cement sand mortar admixed with anti-shrink additives, (modified styrene butadiene rubber (SBR) based) at dosages as specified by the manufacturer.</p>	Sq.m	76.00		
40	<p>WPC DOOR SHUTTER & FRAMES FOR TOILETS : Providing and fixing factory made solid Wood Polymer Composite (WPC) single extruded frame of 3" x 2" size having single rebate and provided with 28mm thick solid WPC single extruded door shutter of solid finish fixed with 4" hinges (min 4 Nos). The door frame to be fixed to the walls with holdfasts or bolt fastners (min 4 Nos for vertical members and 2 Nos for horizontal members). Each shutter to be provided with 1 No of cylindrical lock, 2 Nos of PVC handles, 2 Nos of PVC aldrops & 2 Nos of PVC tower bolts (5"). Each shutter shall be of size approx 2.5' (W) to 3'0"(W) x 7'(H) .</p>	Nos	7.00		
41	<p>ANTI-SKID CERAMIC TILES FLOORING IN TOILET FLOORING AREA :Supplying and fixing Anti skid ceramic coloured floor tiles of minimum 300mmX300mmx8mm thick or bigger size of approved colour/pattern laid over a bedding layer of Cement Mortar 1:4,15mm thick manufactured by M/s RAK/Kajaria/Johnson/Somany to proper slope and joints neatly finished and pointed with jointing powder of matching colour pigment etc., complete all as specified and directed by Engineer-in-Charge. Note: 1)The rate quoted is deemed to include for all wastages.</p>	Sq.m	21.00		

	2) The rate is deemed to include for dismantling the existing old tiles in any thickness, hacking out old plastering & disposal of unserviceable materials from the premises to a distance not exceeding 5.0KM not objected by local civic authorities including lead, lift etc., complete all as specified and directed by Engineer in charge. 3) The basic cost of tiles shall not be less than Rs 80/sft.				
42	<p>CERAMIC TILES DADOOING IN PANTRY AND IN TOILET WALLS : Supplying and fixing coloured ceramic tiles for dado minimum size 450mm x 350mmx7mm thick or bigger size of approved colour/pattern laid over a backing coat of Cement Mortar 1:4,15mm thick manufactured by M/s RAK/Kajaria/Johnson/Somany and joints neatly finished and pointed with jointing powder of matching colour pigment etc., complete all as specified and directed by Engineer-in-Charge. Note: 1) The rate is deemed to include for providing a dubbing coat of 15mm thick in Cement Mortar 1:6 on irregular face of walls. 2) Wastages.</p> <p>2) The rate is deemed to include for dismantling the existing old wall tiles in any thickness, including existing old washbasin, hacking out old plastering & disposal of unserviceable materials from the premises to a distance not exceeding 5.0KM not objected by local civic authorities including lead, lift etc., complete all as specified and directed by Engineer in charge. 3) The basic cost of tiles shall not be less than Rs 80/sft.</p>	Sq.m	258.00		
43	<p>GRANITE PLATFORM BELOW WASH BASIN AND PANTRY AREA :Supplying and fixing 25mm to 40mm thick polished black Granite slab on brick support walls for wash basin & urinal partitions. Granite to be polished on one side for laying on brick support walls and both side polished for urinal partitions jointed neatly with cement mortar and pointed with black oxide or coloured cement compound to match the colour of granite including</p> <p>cutting to template and grinding the edges nosing half round to the slab to fix wash basin & urinal partitions etc., complete all as specified and directed by Engineer in charge. Note: The quoted rate is inclusive of a) cutting the granite to template to fix the wash basin & urinal partitions. b) wastages. c) Brick wall supports will be measured & paid seperately under relevant item.</p>	Sq.m	15.00		
44	<p>KITCHEN SINK :Supplying and fixing new single bowl Stainless steel Kitchen Sink -satin finish of approved model 1.0mm thick with minimum size not less than 525mmx450mm (18"x21" x 8" depth) approximately manufactured by M/s. Carysil/Nirali/Futura/Jindal/Franke(610 X INSTI) fixed over 25mm thick Granite slab & jointed neatly finished with cement mortar and pointed in cement slurry/jointing powder</p> <p>with coloured matching pigment including all accessories viz., waste coupling, waste pipe etc., complete all as specified and directed by the engineer-in-charge. Note: 1. The rate quoted for this item should be excluding 20mm thick granite slab which will be measured and paid separately under relevant item. 2. The Contractor shall submit the warranty certificate from the manufacturer to BEML)</p>	Nos	2.00		

45	EWC: Supplying and fixing new coloured vitreous chinaware floor mounted European type water closet of Model No: CNS-WHT-553SN) of approximate size (530mmx380mmx400mm)/ bigger size with low level PVC flushing cistren of 12 litres capacity of first quality, conforming to relavent IS, Manufactured by M/s Jaguar Continental series/Parryware/Cera including white PVC seat cover, brass Chromium plated angle cock, 450 mm long PVC Connecting pipe,' P' or 'S' Trap with concealed brackets, flush pipe, health faucet with gun & flexible connection pipe, drain outlet fittings and necessary fittings, fixtures and hardware including making good the walls/floor wherever required etc., complete all as specified and directed by the Engineer in Charge.	Nos	3.00		
46	upplying and fixing white vitreous chinaware countertop hand wash basin oval shape of 600mm diameter approximately or approved size manufactured by M/s. Parryware/ Hindware /M/s.Cera/ conforming to relevant IS, fixed in 25mm thick Granite slab & jointed neatly finished with cement mortar and pointed in cement slurry/jointing powder with matching pigment including all accessories such as 32mm diameter brass chromium plated waste coupling of M/s Parryware/Hindware, PVC connection pipe of length 450mm, angle cock / stop cock etc., all lead, lift, tools, labour etc., complete all as specified and directed by the engineer-in-charge. Note: The rate quoted for this item shall be excluding 20mm thick granite slab which will be measured and paid under relevant item.	Nos	6.00		
47	Supplying and Laying the 20mm diameter , heavy grade CPVC water tubing for both hot & cold water supply manufactured by M/s.Supreme/Astral/Ashirwad, laid in required length/gradient in walls, flooring & trenches including all standard CPVC fittings such as elbows, collars, Tees, MTA, FTA, PVC Clamps including cutting & making good the floor/walls with cement mortar wherever necessary etc., complete all as specified and directed by Engineer-in-charge. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmtr	90.00		
48	Supplying and Laying the 32mm diameter , heavy grade CPVC water tubing for both hot & cold water supply manufactured by M/s.Supreme/Astral/Ashirwad, laid in required length/gradient in walls, flooring & trenches including all standard CPVC fittings such as elbows, collars, Tees, MTA, FTA, PVC Clamps including cutting & making good the floor/walls with cement mortar wherever necessary etc., complete all as specified and directed by Engineer-in-charge. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmtr	75.00		
49	Supplying and Laying the 50mm diameter , heavy grade CPVC water tubing for both hot & cold water supply manufactured by M/s.Supreme/Astral/Ashirwad, laid in required length/gradient in walls, flooring & trenches including all standard CPVC fittings such as elbows, collars, Tees, MTA, FTA, PVC Clamps including cutting & making good the floor/walls with cement mortar wherever necessary etc., complete all as specified and directed by Engineer-in-charge. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmtr	75.00		

50	Providing & fixing 110mm diameter ,6kg/cm2 UPVC pipes manufactured by M/s.Supreme/ Astral conforming to relevant IS for sanitary, waste water, rain water laid in gradient in walls/floors including all standard PVC fittings like elbows, bends, Tees & fixtures such as pipe clips, PVC clamps wooden plug, screws, washers etc fixed/ secured firmly etc.,complete all as specified and directed by Engineer in Charge. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmtr	80.00		
51	Providing & fixing 75mm diameter ,6kg/cm2 UPVC pipes manufactured by M/s.Supreme/ Astral conforming to relevant IS for sanitary, waste water, rain water laid in gradient in walls/floors including all standard PVC fittings like elbows, bends, Tees & fixtures such as pipe clips, PVC clamps wooden plug, screws, washers etc fixed/ secured firmly etc.,complete all as specified and directed by Engineer in Charge. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmtr	80.00		
52	Providing & fixing 150mm diameter ,6kg/cm2 UPVC pipes manufactured by M/s.Supreme/ Astral conforming to relevant IS for sanitary, waste water, rain water laid in gradient in walls/floors including all standard PVC fittings like elbows, bends, Tees & fixtures such as pipe clips, PVC clamps wooden plug, screws, washers etc fixed/ secured firmly etc.,complete all as specified and directed by Engineer in Charge. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmtr	80.00		
53	Supplying & fixing in position M/s. Jaquar (ARI-39347S/SOL-6347/FLR-5347N) make swan neck brass chromium plated wall mounted sink cock with swinging spout with wall flange with necessary hardware/accessories etc., complete all as specified and directed by Engineer in charge. (Note: The warranty certificate from the manufacturer shall be submitted to BEML)	Nos	2.00		
54	Providing & fixing Jaquar ESSCO Health Faucet ALE-ESS-583 for EWC WITH NECESSARY FITTINGS	Nos	3.00		
55	Supplying and fixing 15mm diameter brass chromium plated pillar cock of first quality conforming to relevant IS manufactured by M/s.Jaguar (OPP-CHR-15001PM)/ Hindware including necessary accessories etc., complete all as specified and directed by Engineer in charge.	Nos	10.00		
56	Supplying and fixing 20 mm diameter brass chromium plated concealed Stop cock of first quality approved brand manufactured by M/s.Jaguar /Parryware including all accessories conforming to relevant IS etc., complete all as specified and directed by Engineer in Charge.	Nos	10.00		
57	C.I.NAHANI TRAP: Providing and fixing 110mm uPVC floor trap of self-cleansing design with 50mm water seal and with grated SS jali of required size with all necessary fixtures and fittings.	Nos	12.00		

58	Supplying and fixing vitreous chinaware white wall hung flat back ceramic urinal basin Model: C0583/C0575 (Combo set) of size minimum 380mmx405mmx590mm or bigger the size manufactured by M/s. Parryware/ Hindware/Cera/equivalent approved make including, flush pipe, waste coupling, waste pipe, accessories etc., of reputed manufacturer conforming to relevant IS etc complete set and fixing / bedding urinal against wall in cement mortar 1:2, securing urinal with bolts including brass screws, pointing around urinal back in cement mortar and with all drain outlet fittings.etc., complete all as specified and directed by the Engineer-in-charge.	Nos	2.00		
59	C.I.GULLY TRAP: Providing and fixing 110mm diameter uPVC floor trap of self-cleansing design with 50mm water seal and with grated SS jali of required size with all necessary fixtures and fittings etc., complete all as specified and directed by Engineer in Charge	Nos	5.00		
60	CONSTRUCTION OF CHAMBERS : Construction of 2'x2'x1'6" for single pipe line using 4" solid block, inside plastering 12mm thick and bed concrete etc.complete as per instructions of architect	Nos	5.00		
61	Preparing and complete removal of the existing surface of internal walls by scrapping, sandpapering, removing dust & including providing necessary repairs to cracks and filling the cracks with suitable crack filling compound and applying 2 or more coats of Premium Plastic emulsion paint of approved colour/shade manufactured by M/s. Asian Paints-(Royal Shyne)/Berger Paints-(Silk Glamour Matt or Sheen) over a coat of royal primer and 3mm thick full putty etc., complete all as specified and as directed by Engineer in Charge. Note: The rate is deemed to include for Providing & removal of scaffolding wherever necessary b) Wastages. 3) Removing all splashes, dirt, etc. and leaving premises in a clean state.	Sq.m	220.00		
62	Supplying and fixing 15mm diameter brass chromium plated quarter turn short body Bibcock of first quality approved brand manufactured by M/s.ESS ESS/Parryware/ Johnson/Hindware including all accessories conforming to relevant IS etc., complete all as specified and directed by Engineer in Charge.	Nos	6.00		
63	Supplying & fixing 15mm diameter brass chromium plated quarter turn 2 in 1 Bib cock of first quality approved brand manufactured by M/s.ESS ESS/Parryware/ Johnson/Hindware including all accessories conforming to relevant IS etc., complete all as specified and directed by Engineer in Charge.	Nos	6.00		
64	Supplying & fixing 40mm diameter Bottle trap of first quality, approved brand conforming to relevant IS manufactured by M/s.ESS /Parryware (G3403A1/G5103A1/Johnson/ Hindware including necessary accessories etc., complete all as specified and directed by Engineer-in-charge.	Each	6.00		
65	Supplying & fixing 110 mm diameter PVC Air vent cowl Manufactured by M/s Supreme/Astral conforming to relevant IS etc including all fittings & fixtures etc., complete all as specified and as directed by Engineer in charge.	Each	4.00		
66	Supplying and fixing Brass chromium plated Urinal Spreader of first quality approved brand conforming to relevant IS etc., manufactured by M/s Parryware/Hindware/Cera with all fittings & fixtures etc.,complete all as specified and directed by Engineer-in-charge.	Nos	2.00		

67	<p>VITRIFIED TILES FLOORING IN VIP DINING AREA OVER EXISTING MOSAIC FLOOR INCLUDING SKIRTING / ABOVE OPEN TERRACE AREA OF PROPOSED DINING HALL: Providing and laying premium quality glazed Vitrified tiles over cement mortar 1:4 propn. in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, jointing with grey cement slurry @ 3.3kg/Sq.m including grouting the joint with white cement & matching pigments and spacer etc. complete as per instructions of architect. (Basic price Rs.130/Sft)(Approved make: RAK/Johnson/Kajaria)</p> <p>The clear dimension of floor and skirting in Sq. m will be taken for measurement. (Tile Adhesive -BAL ENDURA/ ROFFE/ FOSROC/ PIDILITE/ LATICRETE) (Thickness 10 to 20mm) The tiles laid after placing electrical conduit over the existing floor.</p>	Sq.m	484.00		
68	Core cutting : Providing of core cutting in wall / RCC roof slab / beam for toilet outlet area with 100 to 150mm with and finish the same after fixing the pipe etc. complete as per instructions of architect.	Nos	5.00		
69	Supplying and fixing brass chromium plated Push cock of first quality approved brand conforming to relevant IS etc., manufactured by M/s Parryware/Hindware/Cera/ etc., complete all as specified and directed by Engineer-in-charge.	Nos	2.00		
70	Supplying and fixing 450mm/480mm diameter heavy duty, steel body exhaust fan manufactured by M/s. Bajaj/USHA/ brand conforming to relevant IS etc., complete all as specified and directed by Engineer-in-charge.	Each	8.00		
71	Supplying & fixing stainless steel soap dish/tray manufactured by M/s Parryware/ Hindware/CERA /Johnson including all fittings & fixtures etc., complete all as specified and directed by Engineer-in-charge.	Nos	6.00		
72	Supplying and fixing brass chromium plated towel rail 600mm long of M/s. Jaguar/parryware with all fittings, accessories etc., complete all as specified and directed by the Engineer in charge.	Nos	3.00		
73	Supplying & fixing 100mm diameter brass chromium plated grating of first quality & reputed manufacturer conforming to relevant IS etc., complete all as specified and directed by Engineer in charge.	Each	10.00		
74	Preparing the steel surfaces by scrapping & applying two coats of synthetic enamel paint of first quality, approved brand and colour, Manufactured by M/s Asian paints/Berger over a coat of yellow/red oxide zinc chromate primer etc., Complete all as specified and directed by Engineer in charge. Note: The rate quoted is deemed to include for providing and removal of scaffolding, staging/ladder wherever necessary and protective measures etc.	Sq.m	400.00		
75	Supplying & fixing solid body brass chromium plated double coat hook of of M/s. Jaguar/Parryware including necessary accessories etc., complete all as specified and directed by Engineer-in-charge.	No.	4.00		
76	Supplying and fixing in position Pre-cast/cast in situ RCC manholes cover with MS frame of approx size 600x 600x 100mm, heavy duty including formwork for cast-in-situ work etc complete all as specified and directed by Engineer in charge.	Each	5.00		
77	Cutting holes in brick walls built in cement mortar without damaging the adjacent walls etc, and making good the dismantled portion with cement mortar 1:3 including curing etc., complete all as specified and directed by Engineer in charge.	Nos	7.00		

78	Supplying and mixing M/s. Fosroc make CONPLAST X42 IC/WL while rendering for the roof slab and parapet wall surfaces as per Manufacturers instructions (200ml/bag of cement) etc., complete all as specified and directed by the Engineer in charge.	Litres	5.00		
79	Preparing the new/old Painted surface of external walls including stucco area by water washing, sand papering/wire brushing including providing necessary repairs to cracks, and cleaning the surface from dust, dirt and filling/closing the cracks with suitable crack filling compound and applying two coats of exterior emulsion paint of first quality approved brand and colour manufactured by M/s.Asian Paints (Apex ultima)/Berger Paints after successively drying each coat over a coat of primer and touch up putty wherever necessary etc., complete all as specified and directed by Engineer in Charge. Note: 1) The rate quoted is deemed to include for providing and removal of scaffolding, staging/ladder, suspending jhoola wherever required and protective measures etc. 2) Cleaning the floor surface after painting. 3) wastages.(only first floor outside)	Sq.m	900.00		
80	Providing and fixing of Italian marble of thickness 20mm above executive dining table and vip dining areawith the edges to provide bull nose and fixed to table with bonding adhesive including polishing etc.complete as per instructions of arechitect etc.complete. (Basic cost of material is Rs.400/sft)	Sq.m	30.00		
81	SIPOREX BLOCK WALL IN KITCHEN, STORE, BACK SIDE AREA AT PROPOSED DINING AREA :Providing and constructnng of 2"x6"x 8" siporex light weight concrete block wall at proposed dining area kitchen, store and back side with scaffolding and in cement mortar 1:4 propn. etc.complete as per instructions of Engineer in charge.	Sq.m	45.00		
82	Providing of groove in wall / column for resting of MS truss in by opening in existing wall / column and placing the truss in position and filled with concreting of propn. 1:1.5:3 propn. And finishing with cement mortar of 1:5 propn. etc.,complete as per instructions of Engineer in charge.	Nos.	6.00		
83	SHIFTING OF OVER WATER TANK: 3 NOS. .. Shifting of existing sintex overhead water tank with pipe connections to open terrace area etc.complete as per instructions of Engineer in charge.	Nos.	3.00		
84	Supplying, fabricating, delivering at site, hoisting and fixing in position and making all structural steel work E350 Grade(conforming to IS:800 to complete specifications.) in accordance with the design drawings prepared by the consultants. The structural steel work shall inculde welded and built up sections, trusses, built-up purlins, frame work welded and/or bolted, girders, gusset plates, base plates, cleats etc. and inserts in concrete in the form of M.S. angles, flats, plates, holding bolts, angle frames, pipe-sleeves etc. with anchors the form of rods flats,including lifiting hooks rungs etc. , as per drawings, The rate shall inculde one coat of Zinc ridge epoxy primer and two coats of paint shall Include bolts, washers, etc.complete.	Mtrs.	9.00		
Sheeting work					
85	Providing and fixing of 50mm thick sandwich Puf roof panel with JSW sheet for roof, 40kg/m3 dencity with necessary sealent, bonding, fittings and fixtures. Including lead and lift (Metroof / equivalent)	Sq.m	160.00		

86	Supply and fixing of 20mm dia hilti bolts with Re500v4 chemical.	Nos.	36.00		
	AC WORKS				
87	Supply, Installation, Testing & Commissioning of following high wall mounted Cassette / Inverter Split AC along with 5 Mtrs. Refrigerant piping & cabling,irrespective of the number of circuits & stand for the condensing unit (Suction line to be insulated with elastomeric nitrile rubber tubular insulation of 9mm thickness adhesive & joints sealed with black monsoon tape) including stabilizer, The indoor unit shall contain multirow dx cooling coil,drier,blower with drive motor, including installation charges. Voltas,Havell,s Daikin Make 1.5 Ton Highwall Split AC Inverter five Star Rated (in executive cabin) Inverter Highwall 5 star rating units are available. All Highwall units available in Single Phase only.	Nos.	2.00		
88	Supplying, Installing, Testing & Commissioning with SOFT Copper piping with first charge of Refrigerant Gas & Oil, pressure testing, vacuumising etc.complete. Note: - Suction line and pressure line to be insulated with electromeric nitrile, rubber tubular insulation of 9mm thickness adhesive & joints sealed with black monsoon tape etc. complete as per instructions of the Architect / Consultant.	Rmtrs.	100.00		
89	Supplying / Installation / Testing & Commissioning of Copper Cables with Thickness - 3 core4 sq.mm round sheeted cable for single phase and Thickness - 5 core 4 sq.mm round sheeted cable for for three phase.	Rmtrs.	75.00		
90	Supply and fixing 16A switch combined plug and socket modular type box. For each AC's unit.	Nos	6.00		
91	Supplying / Installation / Testing & Commissioning stabilizer time delay 3kva / 5 KVA	Nos	2.00		
92	Supplying / Installation / Testing & Commissioning 25mm PVC Drain Pipe.	Mtrs.	100.00		
	AMP MAKE DATA WORK				
93	Supplying & Fixing of Information outlet (cat-6)	Nos	10.00		
94	Supplying & Fixing of 7ft patch cord (cat-6)	Nos	10.00		
95	Supplying & Fixing of Numbering ties,ties	Nos	5.00		
96	Supplying & Fixing of Face plate	Nos	10.00		
97	Supplying & Fixing of Miscellaneous expenses (gatta,scroo,feruls,tap)	L S	1.00		
98	Supply and fixing of Cat 6 cable for data ports	Mtrs	350.00		
99	Supply and laying of 19 mm conduit for data cabling	Mtrs	100.00		
100	Supply and installaion of 3 module PVC box	Nos	10.00		
101	Supplying & Fixing of 24 Port unloded patch penal	Nos	1.00		
102	Supplying & Fixing of 1'U'Cable manger	Nos	1.00		
103	Supplying & Fixing of 12'URack with power stripper -01no and hardware.	Nos	1.00		
104	Supplying & Fixing of Hub tray	Nos	1.00		
	PA SYSTEM				

105	Supply and fixing of Cat 6 cable for SPEAKERS OR SPEAKER WIRE	Mtrs	350.00		
106	RECESS MOUNT CEING SPEAKER BOSH	Nos	10.00		
107	AMPLIFIER AND MIKE FOR ANOUNCEMENT SET	Nos	1.00		
	ELECTRICAL WORK				
	FACTORY-BUILT MCB DISTRIBUTION BOARDS;				
	LT ELECTRICAL PANEL FOR INCOMER				
	MEDIUM VOLTAGE SWITCH BOARDS				
108	<p>Supply, store, Installation, Testing and Commissioning of 3 Phase, 4 wire, 415 Volts, 3 Phase, 50 Hz. panels. The fabrication shall be made with 14/16SWG cold rolled sheet with machine pressing. The surface shall be rigorously treated for derusting in 7 tank process with dephosphating and painting with at least 2 coats of approved paint. The panel shall be totally enclosed metal clad type with double gasketting with rubber / resin lining. The panel shall be off white painted inside and shall be having control directory pasted inside the panel.</p> <p>The panel shall be mounted on existing trench and shall have cable entry provision from the top and bottom with suitable alley as the case may be. The panel shall be tested for the same KA rating of the from ISO-9001 companies and shall have relevant IS/IEC approvals without fail. (Fabrication, drawing and list of components and panel detail shall be got approved by consultants before fabrication).</p> <p>complete as required. Erection rate shall include base channel, grouting/grip bolts etc.</p>				
	MAIN LT PANEL	Each	1.00		
	Incoming				
	1No.250A,36KA,4P,MCCB, O/L; 0.4 - 1 x In, SC: 1.5 – 10 x Ir (MP based) KWH Energy Meter, Counter type: 1 No. MFM Meter: 1 Nos. CTs : 4 Nos. ELR with CBCT: 1 No. Indicating Lamps:5 Nos. 300A,TPN+E, 36KA, Aluminum Bus bars				
	Out Going:				
	2No.100A,25KA,TPN,MCCB, O/L; 0.7 - 1 x In 2No.63A,25KA,TPN,MCCB, O/L; 0.7 - 1 x In 4Nos.63A,TPN,MCB,10KA KWH Dual Source,Energy Meter, Counter type: 4 Nos.				
109	Supply of MCB / MCCB Distribution Boards, wall-mounted (either surface or recessed type). Space provision shall be made for mounting ELCB in the incomer MCB . The rate shall be same for any combination of outgoing. 4 Way TPN DB with 63A TPN MCCB 'C' Curve MAIN Incomer and 12 Nos 16A 1 Pole MCB outgoing.(C Curve) (RAW POWER AND AC DB)	Each	1.00		
110	Supply of MCB / MCCB Distribution Boards, wall-mounted (either surface or recessed type). Space provision shall be made for mounting ELCB in the incomer MCB . The rate shall be same for any combination of outgoing. 4 Way TPN DB with 63A TPN MCCB 'C' Curve MAIN Incomer and 4-Way TPN DB with 63 Amps TPN MCB "C" Curve as main incomer and 12 nos. Outgoing, each outgoing with 6/20A 1-Pole 'C' Curve MCB (LTNG DB)	Each	1.00		

111	Supply of MCB / MCCB Distribution Boards, wall-mounted (either surface or recessed type). Space provision shall be made for mounting ELCB in the incomer MCB . The rate shall be same for any combination of outgoing. 4 Way TPN DB with 63A TPN MCCB 'C' Curve MAIN Incomer and 8 Way SPN PHASE DB with 32 Amps DP MCB "D" Curve incomer and 6 nos. 1-pole MCB "D" Curve outgoing. Space provision for ELCB shall be provided for Incomer .for (UPS DB)	Each	1.00		
	POWER & CONTROL CABLES;				
112	Supply, laying & testing of 1.1 kV Grade XLPE / PVC/FR insulated aluminium/COPPER / FLEXIBLE conductor steel armoured power cables as per IS specification. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes etc. For buried cables the excavation work will be included under the heading civil works for outdoor cable laying.4 Core x 120 Sq.mm AL AR armoured Cable for LT PANEL	Mtrs.	85.00		
113	Supply, laying & testing of 1.1 kV Grade XLPE / PVC/FR insulated aluminium/COPPER / FLEXIBLE conductor steel armoured power cables as per IS specification. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes etc. For buried cables the excavation work will be included under the heading civil works for outdoor cable laying.4 Core x 16 Sq.mm copper armoured Cable for DB and ups	Mtrs.	150.00		
114	Supply, laying & testing of 1.1 kV Grade XLPE / PVC/FR insulated aluminium/COPPER / FLEXIBLE conductor steel armoured power cables as per IS specification. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes etc. For buried cables the excavation work will be included under the heading civil works for outdoor cable laying.3 Core x 6 Sq. mm copper unarmoured PVC Cable for AC unit	Mtrs.	275.00		
115	Supply, laying & testing of 1.1 kV Grade XLPE / PVC/FR insulated aluminium/COPPER / FLEXIBLE conductor steel armoured power cables as per IS specification. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes etc. For buried cables the excavation work will be included under the heading civil works for outdoor cable laying.4 Core x 25 Sq.mm ALUMINIUM r armoured Cable for DB Cable End Termination: Supply and providing the end terminations with copper cable lugs, single compression brass cable glands, taping, crimping, gland and earthing etc. complete as required.	Mtrs.	225.00		
116	Supply, laying & testing of 1.1 kV Grade XLPE / PVC/FR insulated aluminium/COPPER / FLEXIBLE conductor steel armoured power cables as per IS specification. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes etc. For buried cables the excavation work will be included under the heading civil works for outdoor cable laying.4 Core x 120 Sq.mm AL AR armoured Cable for LT PANEL	Each	2.00		
117	Supply, laying & testing of 1.1 kV Grade XLPE / PVC/FR insulated aluminium/COPPER / FLEXIBLE conductor steel armoured power cables as per IS specification. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes etc. For buried cables the excavation work will be included under the heading civil works for outdoor cable laying.4 Core x 16 Sq.mm copper armoured Cable	Each	12.00		

118	Supply, laying & testing of 1.1 kV Grade XLPE / PVC/FR insulated aluminium/COPPER / FLEXIBLE conductor steel armoured power cables as per IS specification. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes etc. For buried cables the excavation work will be included under the heading civil works for outdoor cable laying.3 Core x 6 Sq. mm copper unarmoured PVC Cable	Each	8.00		
119	Supply, laying & testing of 1.1 kV Grade XLPE / PVC/FR insulated aluminium/COPPER / FLEXIBLE conductor steel armoured power cables as per IS specification. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes etc. For buried cables the excavation work will be included under the heading civil works for outdoor cable laying.4 Core x 25 Sq.mm ALUMINIUM r armoured Cable for DB	Each	8.00		
120	Supply, laying & testing of 1.1 kV Grade XLPE / PVC/FR insulated aluminium/COPPER / FLEXIBLE conductor steel armoured power cables as per IS specification. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes etc. For buried cables the excavation work will be included under the heading civil works for outdoor cable laying. Supply and installation of GI RACE WAY 100x 50 with cover to be installed on floor for power and data cable separate as per drawing	Mtrs.	200.00		
SWITCHES AND SOCKET OUTLETS;					
121	Industrial Type : Supply, erection, testing and commissioning of factory made metal clad totally enclosed with cast aluminium housing with industrial socket/interlocked combined rotary switch and socket with scrapping earth connection and plug top (all switches & sockets shall be housed in painted MS boxes). The erection rate shall include supply of angle iron frame work and fixing accessories such as grip bolts / grouting etc. 32 Amps, 2 pole MCB isolator with plug and socket polycarbonate enclosure for UPS incomer and out going with IP 44 protection	Each	4.00		
122	Commercial Type : Supply, erection, testing and commissioning of power points by providing following switches/sockets mounted flush on to the furniture partition wall or fixed to surface or recessed boxes with all fixing and wiring accessories. SITC with following items suitable for Green building energy efficient standard. 1 x 20 Amps, 3-pin (250Volts) single phase universal socket with 20 Amps single pole MCB mounted plug and socket board with IP40 accordance with IS 13033, IS8123, IEC/EN 60439-3 configuration shall be round type. from the scope of supply (for AC power).	Each	5.00		
123	Commercial Type : Supply, erection, testing and commissioning of power points by providing following switches/sockets mounted flush on to the furniture partition wall or fixed to surface or recessed boxes with all fixing and wiring accessories. SITC with following items suitable for Green building energy efficient standard. Plated or powder coated steel/ PVC boxes for fixing the socket 1 x 16 amps 3 pin shuttered modular socket with 16 amps switch mounted on modular plate and box for raw power supply	Each	5.00		

124	Commercial Type : Supply, erection, testing and commissioning of power points by providing following switches/sockets mounted flush on to the furniture partition wall or fixed to surface or recessed boxes with all fixing and wiring accessories.SITC with following items suitable for Green building energy efficient standard. Plated or powder coated steel/ PVC boxes for fixing the socket 2 x 6 amps 3 pin shuttered modular socket with 2 x 6 amps switch mounted on 6 modular plate and box for UPS workstation power supply	Each	12.00		
	SUB MAINS / CIRCUIT MAINS / POWER WIRING;				
125	Supply and running of 1100 V grade PVC insulated copper conductor (FRLS) wires in 2 mm thick PVC conduits (FRLS). The rate shall include supply and installation of all materials like conduits, wires, fixing accessories etc.32 mm, dia (FRLS) PVC conduit with all accessories.	Mtrs.	50.00		
126	Supply and running of 1100 V grade PVC insulated copper conductor (FRLS) wires in 2 mm thick PVC conduits (FRLS). The rate shall include supply and installation of all materials like conduits, wires, fixing accessories etc.25 mm, dia (FRLS) PVC conduit with all accessories.	Mtrs.	350.00		
127	Supply and running of 1100 V grade PVC insulated copper conductor (FRLS) wires in 2 mm thick PVC conduits (FRLS). The rate shall include supply and installation of all materials like conduits, wires, fixing accessories etc.19 mm, dia (FRLS) PVC conduit with all accessories.	Mtrs.	400.00		
128	Supply & running of 2 x 6sq mm and 1 x 2.5sq mm PVC insulated FRLS copper wires in existing conduits / raceways. FOR RAW POWER	Mtrs.	150.00		
129	Supply & running of 2 x 4sq mm and 1 x 2.5 sq mm PVC insulated FRLS copper wires in existing conduits / raceways. LIGHTING MAIN CIRCUIT	Mtrs.	350.00		
130	Supply & running of 2 x 2.5 sq.mm and 1 x 1.5 sq.mm FRLS copper wires in existing conduits / raceways.	Mtrs.	250.00		
	POINT WIRING;				
131	Point wiring area with flat / false ceiling: Wiring with 2x2.5 FRLS PVC insulated 1100V grade copper conductor wires and 1 x 1.5 FRLS PVC insulated earth wire in 2mm thick FRLS PVC conduit. Height of ceiling varies from 3.5 to 5.5 meters. A separate neutral shall be run for each circuit.Single light point not more than 7M length controlled by '6 Amps switch.	Each	10.00		
132	Point wiring area with flat / false ceiling: Wiring with 2x2.5 FRLS PVC insulated 1100V grade copper conductor wires and 1 x 1.5 FRLS PVC insulated earth wire in 2mm thick FRLS PVC conduit. Height of ceiling varies from 3.5 to 5.5 meters. A separate neutral shall be run for each circuit.Two light point of not more than 13M length controlled by 6 Amps switch.	Each	25.00		
133	Point wiring area with flat / false ceiling: Wiring with 2x2.5 FRLS PVC insulated 1100V grade copper conductor wires and 1 x 1.5 FRLS PVC insulated earth wire in 2mm thick FRLS PVC conduit. Height of ceiling varies from 3.5 to 5.5 meters. A separate neutral shall be run for each circuit.Two Way switch controlled by one light point	Each	4.00		

134	Point wiring area with flat / false ceiling: Wiring with 2x2.5 FRLS PVC insulated 1100V grade copper conductor wires and 1 x 1.5 FRLS PVC insulated earth wire in 2mm thick FRLS PVC conduit. Height of ceiling varies from 3.5 to 5.5 meters. A separate neutral shall be run for each circuit. Three/4 light points of not more than 15M length controlled by 6 Amps switch.	Each	20.00		
135	Point wiring area with flat / false ceiling: Wiring with 2x2.5 FRLS PVC insulated 1100V grade copper conductor wires and 1 x 1.5 FRLS PVC insulated earth wire in 2mm thick FRLS PVC conduit. Height of ceiling varies from 3.5 to 5.5 meters. A separate neutral shall be run for each circuit. 5/6 light points of not more than 20M length controlled by 6 Amps switch.	Each	5.00		
136	Point wiring area with flat / false ceiling: Wiring with 2x2.5 FRLS PVC insulated 1100V grade copper conductor wires and 1 x 1.5 FRLS PVC insulated earth wire in 2mm thick FRLS PVC conduit. Height of ceiling varies from 3.5 to 5.5 meters. A separate neutral shall be run for each circuit. 8/10 light points of not more than 25M length controlled by 6 Amps switch.	Each	4.00		
137	Exhaust fan point with wall-mounted 5A 3-pin socket near fan location and 10 Amps single pole controlling switch located independently. The rate shall also include supply of 5 Amps 3 pin plug top.	Each	4.00		
138	CEILING fan point with REGULATOR near fan location and 10 Amps single pole controlling switch located independently. The rate shall also include SWITCH REGULATOR	Each	15.00		
	LIGHT FIXTURE / CEILING / EXHAUST FANS;				
139	Supply, Store, Erection of Lighting Fixture: Supply, Erection and testing and commissioning the following light fixtures complete with all accessories. SITC 16 W LED tube light batten type 4 ft fitting with IP 20 protection steel body with 6500 k light fixture (PHILIPS type: bn 308 c led 205-6500 I 60 psu wh or approved equivalent)	Each	35.00		
140	Supply, Store, Erection of Lighting Fixture: Supply, Erection and testing and commissioning the following light fixtures complete with all accessories. SITC 9 W LED round light recess mount suitable for false ceiling Aluminium diecast polycarbonate body 230 v i/p white fixtures (PHILIPS type: DN 295B LED 105 PSU WH or approved equivalent)	Each	15.00		
141	Supply, Store, Erection of Lighting Fixture: Supply, Erection and testing and commissioning the following light fixtures complete with all accessories. SITC 1 X 18 W LED round light recess mount suitable for false ceiling Aluminium diecast polycarbonate body 230 v i/p white fixtures				
	(PHILIPS type: DN 295B LED 205 PSU WH or approved equivalent)	Each	4.00		
142	Supply, Store, Erection of Lighting Fixture: Supply, Erection and testing and commissioning the following light fixtures complete with all accessories. SITC 1 X 22 W LED round designer hanging lights suitable for dining table light suitable for false ceiling Aluminium diecast polycarbonate body 230 v i/p white fixtures with fixing string				
	philips/ havels / wipro	Each	20.00		

143	Supply, Store, Erection of Lighting Fixture: Supply, Erection and testing and commissioning the following light fixtures complete with all accessories.SITC 1 X 12 W LED round designer bulk head fitting with IP 65 suitable for dinning table light suitable for false ceiling Alluminium diecast polycarbonate body 230 v i/p white fixtures with fixing string philips/ havels / wipro	Each	20.00		
144	CEILING FAN WITH				
	ColorGloss White / Gloss Black / Seasand Ivory / Gloss Brown Electric fan designCeiling Fan Special FeatureRemote Controlled LED Light Inverter Compatible Wattage35 Watts Finish TypeMatte/ Gloss No.of Blades3 Air Delivery (CMM)225 Blade Length120 cm Speed350 RPM Voltage165 - 285 V MAKE AUTOMBERG/ BAJAJ/ HAVELLS /CROMPTON	Each	15.00		
145	SITC OF LED STRIP LIGHT WITH WATER PROOF COVERING Technical data • Rated voltage : 12V DC • Power consumption: 20W/m • Luminous efficiency: 6-7lm/LED • Number of LEDs: 2X120pcs/m • LED type: SMD3528 20 MTR STRIP WITH SUTABLE DRIVE FOR THE SAME				
	Exhaust fans : Supply and store of exhaust fans with sheet metal blades, necessary brackets, anti-corrosive epoxy painting, rubber cushions etc. [The 5 A 3-pin socket near fan location & remote located single-pole controlling switch, are included in the exhaust fan point].	EACH	10.00		
146	SITC OF 300 mm impeller dia, 1400 rpm exhaust fan (1- phase) 5 blades, whose aerodynamic design ensures a greater amount of air circulation and are attached in a balanced structure. The sweep size is 300mm for this aesthetically appealing product.(HAVELLS/ BAJAJ/ USHA/ ALAMNARD)	Each	4.00		
	POWER EARTHING SYSTEM;				
147	Earthing Stations Providing the earth stations with necessary materials, labour, civil works etc. as per Indian Standard specification IS:3043 etc. complete.3 Mtrs. long 50 mm dia. GI Pipe electrode earth station. plate. The identification number shall be provided both inside and outside.	Each	1.00		
148	Earthing Stations Providing the earth stations with necessary materials, labour, civil works etc. as per Indian Standard specification IS:3043 etc. complete.Testing of earth resistance of earth pits using earth electrode testing instrument	Each	1.00		
149	Earthing Tapes / Wires : 25x3 mm GI r tape with sleeves.	Mtrs.	10.00		
150	Supplying And Fixing 8 SWG Copper wire	Mtrs.	10.00		
151	Supplying And Fixing 6 SQ MM GREEN Copper wire WITH FRLS INSULATION	Mtrs.	25.00		
	PIPES:				
152	Supply and laying of pipes in wall / floor / in ground including chipping/excavation/Road cutting laying and making good the surface as required. Any collars and bends and nipples required shall be laid at a depth of 900 mm below ground level or under paved areas / under floor as required.25 mm dia Class "B" G I pipe.	Mtrs.	10.00		

153	Supply and laying of pipes in wall / floor / in ground including chipping/excavation/Road cutting laying and making good the surface as required. Any collars and bends and nipples required shall be laid at a depth of 900 mm below ground level or under paved areas / under floor as required.SITC OF FLOOR JUNCTION BOX OF HEIGHT 25 MM 50 X 50 MM SIZE WITH COVER	NOS	25.00		
154	Supply and laying of pipes in wall / floor / in ground including chipping/excavation/Road cutting laying and making good the surface as required. Any collars and bends and nipples required shall be laid at a depth of 900 mm below ground level or under paved areas / under floor as required.SITC OF FLOOR/CEILING GI POWDER COATED RACE WAY FOR ELECTRICAL WORKS OF HEIGHT 50 X 50 MM SIZE WITH COVER	MTR	150.00		
155	Supply and laying of pipes in wall / floor / in ground including chipping/excavation/Road cutting laying and making good the surface as required. Any collars and bends and nipples required shall be laid at a depth of 900 mm below ground level or under paved areas / under floor as required.Cutting of floor for laying conduits for LAN / Telephone system of size required at site, and may good by providing chicken mesh and rough plastering.	Cum	50.00		
MISCELLANEOUS WORKS					
156	Supplying and Fixing Rubber mats of 1.1 kV grade 1.8 Mtrs. x 0.9 Mtrs. and of sufficient thickness as required by the Electrical Inspectorate and confirming to IS 5424.	Each	2.00		
157	Supplying and Fixing Shock treatment chart with teak wood frame and glass cover as approved by Electrical Inspectorate.	Each	1.00		
158	Supplying and Fixing First Aid Box.	Set	1.00		
159	Supply of Danger Board.	Set	2.00		
STATUTORY APPROVALS;					
160	Obtaining Electrical Inspectorate approval for the installation including preparation of drawings, spot inspection etc. All official payments against receipts will be paid by client.	L. S	1.00		
161	Providing and placing in position with voltas / blue star make hot and cold water dispenser with necessary fixtures and fittings and electrical connections.	Nos.	4.00		
Note: 1)The rate quoted for the above items is deemed to include for providing and removal of scaffolding/staging wherever necessary. 2)The contractors/ prospective bidders shall visit the site and acquaint themselves with the site conditions before submission of bid/ quote. 3)L-1 Contractor to whom the contract is awarded has to survey the entire working site area and to submit the survey report and further the L-1 Contractor are required to submit the Shop drawings of the proposed Project.					
Total value of works excluding GST (Rs)					
GST (Rs).					
Total value of works inclusive of GST (Rs)					

(Total Amount in words Rupees.....
.....)

Signature of the Contractor with seal