

Estimate Quantity (only Figures)	Item Detailed Specification Description	Work Type eg. Earth Work, Electrical works.. etc (upto 200 Characters)	Item Short Description (upto 100 Characters)
0	Construction of New Toilet Block	Construction of New Toilet Block	Construction of New Toilet Block
1100	Diluting and injection Chloropyrifos Emulsifiable concentrate 20% with 1% concentration for PRE-CONSTRUCTIONAL Anti termite treatment as per IS 6313 part III as amended from time to time and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth filling, junction of wall and floor along the external perimeter of building expansion joints, over the top surface of consolidated earth of which aproch is to be laid surrounding of pipes and conduits etc. complete as per specification (Plinth floor area only shall be measured for payment and excluding the cost of chemical emulsion)	Diluting and injection Chloropyrifos Emulsifiable concentrate 20% with 1% concentration for PRE-CONSTRUCTIONAL Anti termite treatment as per IS 6313 part III as amended from time to time and creating	Diluting and injection Chloropyrifos Emulsifiable concentrate 20% with 1% concentration for PRE-CONS
40	Providing and fixing wood panelling and glazing in panelled and shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled and glazed shutter 25 mm to 40 mm thick Wood panel grade I Ghana wood grade I	Providing and fixing wood panelling and glazing in panelled and shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be	Providing and fixing wood panelling and glazing in panelled and shutters for doors, windows and cle
30	Providing audio visual room chairs of Geeken (visitor Series) or equivalent approved make and available with PU Arms, Pipe Frame, Seat & Back Leatherite Tapestry as directed by engineer incharge. Chair moulded ply seat, back	Providing audio visual room chairs of Geeken (visitor Series) or equivalent approved make and available with PU Arms, Pipe Frame, Seat & Back Leatherite Tapestry as directed by engineer incharge.	Providing audio visual room chairs of Geeken (visitor Series) or equivalent approved make and av

8.56	Supplying and fixing of 18 mm thick plywood with 4 mm thick of veneer sheet and polishing including cost of all material and labour charges etc., for finished item of work.	Supplying and fixing of 18 mm thick plywood with 4 mm thick of veneer sheet and polishing including cost of all material and labour charges etc., for finished item of work.	Supplying and fixing of 18 mm thick plywood with 4 mm thick of veneer sheet and polishing includin
14.51	Supplying and fixing of Automatic Sensor operated Openable glass Door (With remote control) at the entrance of the museum with the complete kit including all necessary accessories for commissining of the door including cost and conveyance of all materilas and labour charges for finished item of work as directed by the departmental officials.	Supplying and fixing of Automatic Sensor operated Openable glass Door (With remote control) at the entrance of the museum with the complete kit including all necessary accessories for commissining of	Supplying and fixing of Automatic Sensor operated Openable glass Door (With remote control) at the e
38.88	Supply and Fixing of 12 mm thcik toughened glass including cost and conveyance of all materials and all labour chrages etc.,complete for finished item of work.	Supply and Fixing of 12 mm thcik toughened glass including cost and conveyance of all materials and all labour chrages etc.,complete for	Supply and Fixing of 12 mm thcik toughened glass including cost and conveyance of all materials and
4	Supplying and fixing Godrej Store wels of size 12 'x10' including cost and conveyance of all materilas and labour charges for finished item of work.	Supplying and fixing Godrej Store wels of size 12 'x10' including cost and conveyance of all materilas and labour charges for finished item of	Supplying and fixing Godrej Store wels of size 12 'x10' including cost and conveyance of all materil
1121	Supply and Laying of Reflective Designaer pavers to lay floor with 60mm thick laid over a sand bed of 0.075 mm thick fixed including cost and conveyance of all material and labour charges etc., for finished item of work.	Supply and Laying of Reflective Designaer pavers to lay floor with 60mm thick laid over a sand bed of 0.075 mm thick fixed including cost and conveyance of all material and labour charges etc., for fi	Supply and Laying of Reflective Designaer pavers to lay floor with 60mm thick laid over a sand bed o

10	Providing & fixing fine dressed sand "STONE DUSTBIN" as per traditional design made of Granite stone as per approved design (size of dustbin inner dia 50cm , outer dia 65 cm & inner depth 67 cm ,outer height 75 cm.) including top rim with moulding work as per approved design ,complete in all respect.	Providing & fixing fine dressed sand "STONE DUSTBIN" as per traditional design made of Granite stone as per approved design (size of dustbin inner dia 50cm , outer dia 65 cm & inner depth 67 cm ,out	Providing & fixing fine dressed sand "STONE DUSTBIN" as per traditional design made of Granite ston
3.5	"Providing and fixing a veneer finish Ticket Counter table top size of 2400x600 mm made out of 30mm thickness on top side and supported on 19 mm thick vartical as shown in the dwg. All the construction shall be in 19mm thick commercial plywood and internal shalves 19 & 12 mm thick commercial board . All exposed surfaces shall be finished with approved veneer and the exposed edges shall be finished with Old teakwood 19x35 mm moulding External surface finish with 4 mm vineer aproved colour & All internal surfaces shall be finished with approved Malamine Polish and table top shall be finished with 4 mm vineer approved colour. The rate shall be inclusive of adhesive and all the hardware like nails, screws, etc. required to complete the item. Item to also include drawer telescopic channels for drawers complete as shown in the drawing. Item to also include all mouldings and panelling to be done for the shutters, drawers, skirting etc.,"	"Providing and fixing a veneer finish Ticket Counter table top size of 2400x600 mm made out of 30mm thickness on top side and supported on 19 mm thick vartical as shown in the dwg. All the const	"Providing and fixing a veneer finish Ticket Counter table top size of 2400x600 mm made out of 3

8.4	<p>Providing and fixing overhead cabinet 450 mm deep to be made using 19mm Plywood. The item to include providing glazed shutters using 6mm Toughened glass of approved make as per the design and drawing approved by the Architect or the Engineer in Charge. Item to provide one shelf dividing the vertical space into two equal parts. Item to include providing T.W. moulding of design and size as approved by the Architect or the Engineer in Charge, along the top and bottom edges of the storage unit. All exposed surfaces to be finished using veneer of design and type as approved by the Architect and Engineer in Charge finished with melamine polish and internal surfaces to be finished with french polish. Item to be inclusive of all adhesives, hardware like concealed hinges of approved make, handles, knobs etc. complete. Mode of Measurement to be as per the front elevation area of the Cabinet. as directed by the Architect or Engineer in Charge</p>	<p>Providing and fixing overhead cabinet 450 mm deep to be made using 19mm Plywood. The item to include providing glazed shutters using 6mm Toughened glass of approved make as per the design and drawing</p>	<p>Providing and fixing overhead cabinet 450 mm deep to be made using 19mm Plywood. The item to include</p>
13.26	<p>Sculpture Display Units: Providing and making Pedestals by Fabricating MS Section inner support pedestal to withstand weight of 1,000 Kgs made from 2" x 2" angle / box iron section and 12 MM MS Plate screwed and welded, clading of 19 mm BWP Plywood on all sides. The pedestal to have a 4" - 6" high skirting offsetted inside by upto 3" as directed by the Architect. M.S. members to be coated with zinc oxide and painted black with epoxy paint. Item to include all necessary grooves, tools, hardware, handpolishing of sandstone slabs, signages, necessary fixing details etc. complete. Mode of Measurement - Item to be paid as per the Length x Breadth x Height of the finished pedestal</p>	<p>Sculpture Display Units: Providing and making Pedestals by Fabricating MS Section inner support pedestal to withstand weight of 1,000 Kgs made from 2" x 2" angle / box iron section and 12 MM MS Plate</p>	<p>Sculpture Display Units: Providing and making Pedestals by Fabricating MS Section inner support pede</p>
25	<p>Clading of Pedestals, display units and partitions of required size, design and finish with including making grooves, polishing, finishing, tools, hardware, framing, supports etc. required to complete the item in all respects</p>	<p>Clading of Pedestals, display units and partitions of required size, design and finish with including making grooves, polishing, finishing, tools, hardware, framing, supports etc. required to complete</p>	<p>Clading of Pedestals, display units and partitions of required size, design and finish with includin</p>

48	Fixing of sculpture of sizes vary from 300 mmX370 mm size to 1200X450 mm i/c cutting the hole in stone pedestal of depth from 25 to 50 mm of required size of sculpture & fixing the sculpture in to the hole with the help of admixture of araldite & marble dust. The work also includes by fixing of bansi pharpur stone beading of size 35X25 mm around the sculpture. Complete i/c moulding of stone beading	Fixing of sculpture of sizes vary from 300 mmX370 mm size to 1200X450 mm i/c cutting the hole in stone pedestal of depth from 25 to 50 mm of required size of sculpture & fixing the sculpture in to the	Fixing of sculpture of sizes vary from 300 mmX370 mm size to 1200X450 mm i/c cutting the hole in sto
75	Toilet Work: Earth work excavation for foundations and depositing on bank for all lifts with an initial lead of 10m including all operational ,incidental, labour charges such as shoring, sheeting ,planking ,strutting etc complete for finished item. Including seignorage excluding dewatering charges etc. as per SS-20B (APSS 308)	Toilet Work: Earth work excavation for foundations and depositing on bank for all lifts with an initial lead of 10m including all operational ,incidental, labour charges such as shoring, sheeting ,pla	Toilet Work: Earth work excavation for foundations and depositing on bank for all lifts with an init
54	Supplying and Filling in plinth with sand under floors including watering ramming consolidating and dressing complete including cost of sand	Supplying and Filling in plinth with sand under floors including watering ramming consolidating and dressing complete including cost of sand	Supplying and Filling in plinth with sand under floors including watering ramming consolidating and
4.5	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1: 3: 6 (1	Providing and laying in position cement concrete including curing, compaction etc. complete in speci
11.6	Plain Cement concrete (1:4:8) using 40mm metal with hand mixing upto Plinth level	Plain Cement concrete (1:4:8) using 40mm metal with hand mixing upto Plinth level	Plain Cement concrete (1:4:8) using 40mm metal with hand mixing upto Plinth level

0	Supply and placing of the M-20 Grade Vibrated Reinforced Design Mix Concrete corresponding to IS 456 using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and excluding seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content as per IS code including pumping, centering, shuttering, laying concrete, vibrating, curing etc. complete for finished item of work.	Supply and placing of the M-20 Grade Vibrated Reinforced Design Mix Concrete corresponding to IS 456 using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggr	Supply and placing of the M-20 Grade Vibrated Reinforced Design Mix Concrete corresponding to IS 4
5.76	a)coulmns	a)coulmns	a)coulmns
3.49	b)Roof beams	b)Roof beams	b)Roof beams
58.16	c)Roof slab 150 mm thick	c)Roof slab 150 mm thick	c)Roof slab 150 mm thick
0.05	e) Lintels	e) Lintels	e) Lintels
1.44	f)CHAJJA/SUNSHADE	f)CHAJJA/SUNSHADE	f)CHAJJA/SUNSHADE
58.16	Providing Impervious Coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with water proof compound per bag of cement laid over roof when it is green including cost of all materials, seigniorage charges, including conveyance charges of materials and including all operational, incidental and labour charges for mixing mortar, laying, rendering smooth and thread lining, curing, rounding off junctions of wall and slab etc,, complete for finished item of work.	Providing Impervious Coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with water proof compound per bag of cement laid over roof when it is green including cost of all materials, seign	Providing Impervious Coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with water proo

2	Supplying, fitting and placing of HYSD fe 500 bar reinforcement in foundation complete as per drawings and technical specifications for Bars below 36 mm dia including over laps and wastage, where they are not welded.	Supplying, fitting and placing of HYSD fe 500 bar reinforcement in foundation complete as per drawings and technical specifications for Bars below 36 mm dia including over laps and wastage, where they	Supplying, fitting and placing of HYSD fe 500 bar reinforcement in foundation complete as per drawin
168.68	Brick masonry in C.M (1:5) prop. Using IInd class traditional size bricks of locally available size of 23x11x7cm having a crushing strength of not less than 35 Kg/cm ² including cost and conveyance of materials to site, seigniorage fee, mixing of cement mortar and laying of bricks and mortar to specified thickness, watering, curing, including all scaffolding, hire and operational charges of machinery, all labour charges and all water lead charges etc., complete for finished item of work.	Brick masonry in C.M (1:5) prop. Using IInd class traditional size bricks of locally available size of 23x11x7cm having a crushing strength of not less than 35 Kg/cm ² including cost and conveyance of	Brick masonry in C.M (1:5) prop. Using IInd class traditional size bricks of locally available size
16.03	Brick masonry in C.M (1:6) prop. Using IInd class traditional size bricks of locally available size of 23x11x7cm having a crushing strength of not less than 35 Kg/cm ² including cost and conveyance of materials to site, seigniorage fee, mixing of cement mortar and laying of bricks and mortar to specified thickness, watering, curing, including all hire and operational charges of machinery, all labour charges and all water lead charges etc., complete for finished item of work.	Brick masonry in C.M (1:6) prop. Using IInd class traditional size bricks of locally available size of 23x11x7cm having a crushing strength of not less than 35 Kg/cm ² including cost and conveyance of	Brick masonry in C.M (1:6) prop. Using IInd class traditional size bricks of locally available size
1225.18	20mm thick plastering to masonry walls to external side with 16mm in C.M(1:6)prop.as Ist coat and 4mm in C.M(1:4)prop. as II nd coat with dubara sponge finishing and curing etc., seignourage and all operational incidental labour charges such as scaffolding mixing mortar,curing etc.complete as per specification and drawings for finished item of work.-10sqm	20mm thick plastering to masonry walls to external side with 16mm in C.M(1:6)prop.as Ist coat and 4mm in C.M(1:4)prop. as II nd coat with dubara sponge finishing and curing etc., seignourage and all	20mm thick plastering to masonry walls to external side with 16mm in C.M(1:6)prop.as Ist coat and 4

312.89	Plastering 12mm thick inside in two coats with a base coat of 8mm thick in CM(1:6) prop and top coat of 4mm thick in CM (1:4) prop. with dubara sponge finish including cost and conveyance of all materials and water to work site seignorage and all operational incidental, labour charges such as scaffolding, mixing mortar lift charges curing etc., complete for finished item of work.	Plastering 12mm thick inside in two coats with a base coat of 8mm thick in CM(1:6) prop and top coat of 4mm thick in CM (1:4) prop. with dubara sponge finish including cost and conveyance of all mater	Plastering 12mm thick inside in two coats with a base coat of 8mm thick in CM(1:6) prop and top coat
49.39	plastering 12mm thick in two coats, first with 8mm thick in cement mortar (1:5) prop and second with 4mm thick in cement mortar (1:3) prop including cost and conveyance of all materials to site seignorage fee , Screening and mixing, laying finishing with sponge finish and watering, curing including all labour charges ,hire and operational charges,scaffolding etc., complete for finished item of work. (for Ceiling)	plastering 12mm thick in two coats, first with 8mm thick in cement mortar (1:5) prop and second with 4mm thick in cement mortar (1:3) prop including cost and conveyance of all materials to site seign	plastering 12mm thick in two coats, first with 8mm thick in cement mortar (1:5) prop and second with
1220.4	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over aba se coat fo approved cement primer grade making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc complete for finished item of work. External colouring - Plastic emulsion paint - 3 coats	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over aba se coat fo approved cement primer grade making 3 coats in all to give an even shade after thoroughly b	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over aba se
312.89	Supply and applying of wall care putty super fine (water resistance) and two coats of acrylic emulsion paint having content less than 50 grams/litre for internal walls including cost and conveyance of all materials to site,sales and other taxes,incidental operational and all labour charges etc.,	Supply and applying of wall care putty super fine (water resistance) and two coats of acrylic emulsion paint having content less than 50 grams/litre for internal walls including cost and conveyance o	Supply and applying of wall care putty super fine (water resistance) and two coats of acrylic emulsi

4.2	<p>Providing fixing of Door medium take wood frame of size 75x125 mm and teak wood paneled double shutter 40 mm thick including cost and conveyance of all materials to work site and including all taxes ,all labour charges for making,fixing of door furniture in positio but including cost of furniture fittings like 6 no of 250 mm long MS hold past,8 no of 100 mm long Brass hinges,2 no tower bolt 200 mm long,brass handle set 300 mm long,Brass aldrop 300 mm long etc.,for brass fitting ,screws,nouts etc., best certificate for the materials incluidng all tools cost and conveyance of all materials and all incidental cahrges for finished item of work.</p>	<p>Providing fixing of Door medium take wood frame of size 75x125 mm and teak wood paneled double shutter 40 mm thick including cost and conveyance of all materials to work site and including all taxes</p>	<p>Providing fixing of Door medium take wood frame of size 75x125 mm and teak wood paneled double shut</p>
2.88	<p>Providing and fixing of top hung Ventilators made of pre-painted steel (Base steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with Zinc of 120 GSM), finish painted with a polyester paint of 60-65 microns thick and section for outer frame of 80 x 45 mm, centre mullion of 80 x 60 mm, section for shutter of 52 x 25 mm x 0.6 mm thick, outer frame and mullions to have rebate for glazed shutter with a provision for guard bars/grills and the sections cut to length metre joined with corner bracket, centre mullion fixed with mullion cap, 1 No. of High grade nylon latch handle, window stopper, 2 nos. of with MS Powder coated /SS ball bearing butt Hinges provided per shutter and windows fitted with 4 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 10 mm Square guard bars with 6" (152.4mm) pitch etc., complete for finished item of work</p>	<p>Providing and fixing of top hung Ventilators made of pre-painted steel (Base steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with Zinc of 120 GSM), finish painted with a polyester paint</p>	<p>Providing and fixing of top hung Ventilators made of pre-painted steel (Base steel as per IS 513 of</p>
10	<p>Supply, Installation and commissioning approved make floor mounted Close coupled EWC suit CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts of dual flush cistern, ultra solid seat cover of approved make with rubber buffer and cap 15 mm angle stop cock 450 mm long PVC inter connection pipe wall flanges all of approved make etc. complete for finished item of work in all respects:White Colour</p>	<p>Supply, Installation and commissioning approved make floor mounted Close coupled EWC suit CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts of dual f</p>	<p>Supply, Installation and commissioning approved make floor mounted Close coupled EWC suit CASCADE mo</p>

4	Supplying & Fixing white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete Indian make : 410 x 265 x 305 mm Supplying & Fixing white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part6, Sec-6-1974 fixed with screws complete Indian make : 410 x 265 x 305 mm	Supplying & Fixing white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995 with standard C.P. Spreader of overall size 95 x 95 x 57 mm conforming to IS:2556-Part6, Sec-6-1974	Supplying & Fixing white glazed flat back half stall urinals 1st quality conforming to IS:2556-1995
7	Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556 art-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963 1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 630 x 450 mm - Double C.P. Pillar cock	Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556 art-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread	Supplying & Fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556 art-4:1972
7	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty	Supply & Fixing of Bottle Trap Jaquar make, Chrome finish with 7 years warranty
2	Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty	Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty	Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty
10	Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook of Jaquar make queen series with 7 years warranty Chrome plated	Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook of Jaquar make queen series with 7 years warranty Chrome plated	Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook of Jaquar make q

2	S & F 19.05 mm copper ball cock ith PVCball Indian make ISI mark	S & F 19.05 mm copper ball cock ith PVCball Indian make ISI mark	S & F 19.05 mm copper ball cock ith PVCball Indian make ISI mark
7	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Chrome plated	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Chrome plated	Supply & fixing pillar cock Jaquar make Queen series with 7 years warranty: Chrome plated
10	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Chrome plated	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty: Chrome plated	Supply & fixing Angular stop cocks with wall flange Jaquar make Queen series with 7 years warranty:
2	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Chrome plated	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Chrome plated	Supply & fixing soap dish Jaquar make queen series: with 7 years warranty: Chrome plated
10	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Chrome plated	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Chrome plated	Supply & fixing of toilet paper holder Jaquar make Queen series. with 7 years warranty: Chrome plated
3000	Providing & Placing on Terrace(at all floor levels) polyethylene water storage tank with Double layer approved brand & manufacture with cover and suitable locking arrangement & making necessary holes for inlet & outlets and over flow pipes but without fittings & base support for tanks"	Providing & Placing on Terrace(at all floor levels) polyethylene water storage tank with Double layer approved brand & manufacture with cover and suitable locking arrangement & making necessary holes	Providing & Placing on Terrace(at all floor levels) polyethylene water storage tank with Double layer
4	110 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe	110 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe	110 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe
4.00	110 mm dia - Single Tee - UPVC/SWR Pipe fittings	110 mm dia - Single Tee - UPVC/SWR Pipe fittings	110 mm dia - Single Tee - UPVC/SWR Pipe fittings
4	110 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings	110 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings	110 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings

4	110 mm dia - Coupler - UPVC/SWR Pipe fittings	110 mm dia - Coupler - UPVC/SWR Pipe fittings	110 mm dia - Coupler - UPVC/SWR Pipe fittings
2	90 x 110mm dia - Reducer - UPVC/SWR Pipe fittings	90 x 110mm dia - Reducer - UPVC/SWR Pipe fittings	90 x 110mm dia - Reducer - UPVC/SWR Pipe fittings
8	90 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	90 mm dia - Pipe Clip - UPVC/SWR Pipe fittings	90 mm dia - Pipe Clip - UPVC/SWR Pipe fittings
6	Floor Trap - UPVC/SWR Pipe fittings	Floor Trap - UPVC/SWR Pipe fittings	Floor Trap - UPVC/SWR Pipe fittings
4	110 mm dia - Socket plug - UPVC/SWR Pipe fittings	110 mm dia - Socket plug - UPVC/SWR Pipe fittings	110 mm dia - Socket plug - UPVC/SWR Pipe fittings
4	90 mm dia - Socket plug - UPVC/SWR Pipe fittings	90 mm dia - Socket plug - UPVC/SWR Pipe fittings	90 mm dia - Socket plug - UPVC/SWR Pipe fittings
1	1000 ml - Solvent Cement	1000 ml - Solvent Cement	1000 ml - Solvent Cement
35	Labour charges for laying, fixing and commissioning the PVC pipes including couplers/ bends/ tees etc any diameter including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc with solvent jointing as per standard practice	Labour charges for laying, fixing and commissioning the PVC pipes including couplers/ bends/ tees etc any diameter including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc	Labour charges for laying, fixing and commissioning the PVC pipes including couplers/ bends/ tees etc
5	Constructing Brick masonry chamber over the gully trap or peet valve and fitted with 304.8 x 228.6 m size CI frame and hinged cover.	Constructing Brick masonry chamber over the gully trap or peet valve and fitted with 304.8 x 228.6 m size CI frame and hinged cover.	Constructing Brick masonry chamber over the gully trap or peet valve and fitted with 304.8 x 228.6 m
5	Supplying & fixing 304.8 x 228.6 mm CI frame & cover over gully traps	Supplying & fixing 304.8 x 228.6 mm CI frame & cover over gully traps	Supplying & fixing 304.8 x 228.6 mm CI frame & cover over gully traps
6	Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457 .2 mm	Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457 .2 mm	Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457 .2 mm

80	S&F KITEC Polyethylene-Aluminium Polyethylene (PE-ALPE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc 20 mm OD pipe	S&F KITEC Polyethylene-Aluminium Polyethylene (PE-ALPE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure	S&F KITEC Polyethylene-Aluminium Polyethylene (PE-ALPE) composite pressure pipes conforming to IS-15
60	S&F KITEC Polyethylene-Aluminium- olyethylene (PE-ALPE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc 25mm OD pipe	S&F KITEC Polyethylene-Aluminium- olyethylene (PE-ALPE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure	S&F KITEC Polyethylene-Aluminium- olyethylene (PE-ALPE) composite pressure pipes conforming to IS-15
80	S&F KITEC Polyethylene-Aluminium- Polyethylene (PE-ALPE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc 40 mm OD pipe	S&F KITEC Polyethylene-Aluminium- Polyethylene (PE-ALPE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressur	S&F KITEC Polyethylene-Aluminium- Polyethylene (PE-ALPE) composite pressure pipes conforming to IS-1
60	S&F KITEC Polyethylene-Aluminium Polyethylene (PE-ALPE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure up to 80 C including all special composite fittings, plastic & brass blend inserts for elbows, tees, reducers, couplers, connectors etc complete with MS Iron clamps at 1.0 M spacing including cutting, chasing walls, making good, laying pipes, fixing in position, testing and commissioning etc 50 mm OD pipe	S&F KITEC Polyethylene-Aluminium Polyethylene (PE-ALPE) composite pressure pipes conforming to IS-15450-2004 with UV stabilized, carbon black for hot & cold water supply, capable to withstand pressure	S&F KITEC Polyethylene-Aluminium Polyethylene (PE-ALPE) composite pressure pipes conforming to IS-15

10	Supply of 20mm PPR Socket conforming to DIN Standards 8077/8084	Supply of 20mm PPR Socket conforming to DIN Standards 8077/8084	Supply of 20mm PPR Socket conforming to DIN Standards 8077/8084
10	Supply of 25mm PPR Socket conforming to DIN Standards 8077/8085	Supply of 25mm PPR Socket conforming to DIN Standards 8077/8085	Supply of 25mm PPR Socket conforming to DIN Standards 8077/8085
4	Supply of 50mm PPR Socket conforming to DIN Standards 8077/8088	Supply of 50mm PPR Socket conforming to DIN Standards 8077/8088	Supply of 50mm PPR Socket conforming to DIN Standards 8077/8088
6	Supply of 20mm PPR Elbow conforming to DIN Standards 8077/8084	Supply of 20mm PPR Elbow conforming to DIN Standards 8077/8084	Supply of 20mm PPR Elbow conforming to DIN Standards 8077/8084
4	Supply of 25mm PPR Elbow conforming to DIN Standards 8077/8085	Supply of 25mm PPR Elbow conforming to DIN Standards 8077/8085	Supply of 25mm PPR Elbow conforming to DIN Standards 8077/8085
9	Supply of 50mm PPR Elbow conforming to DIN Standards	Supply of 50mm PPR Elbow conforming to DIN Standards	Supply of 50mm PPR Elbow conforming to DIN Standards
49.39	Flooring with vitrified tiles of 1st quality, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work, but excluding the cost of conveyance of all materials.	Flooring with vitrified tiles of 1st quality, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency s	Flooring with vitrified tiles of 1st quality, set over base coat of cement mortar (1:8), 12 mm thick
1	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	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 go	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. bracket

10.7	<p>Providing & fixing Dry Cladding with GRC panel of 60mm thickness on internal walls upto a height of 10 mtrs., fixed to internal wall on structural steel frame work with the help of SS clamps,pins etc and sealing the joints with approved weather sealant as per the architectural drawing & approval. Including necessary scaffoldings required for installation. Installation to be done by specialized vendor in strict supervision if required as per the manufacture's specification. (The structural frame work, SS cramps & pins etc shall be paid separately in respective items</p>	<p>Providing & fixing Dry Cladding with GRC panel of 60mm thickness on internal walls upto a height of 10 mtrs., fixed to internal wall on structural steel frame work with the help of SS clamps,pins etc a</p>	<p>Providing & fixing Dry Cladding with GRC panel of 60mm thickness on internal walls upto a height of 1</p>
6	<p>Providing and fixing of 50mm thick SOLID WALL PANEL Sandwich panels made of light Weight FRACC two 4mm thick non-asbestos fibre reinforced cement sheets one either side of the lightweight concrete core composed of Portland cement binders with tongue and groove arrangement. The bottom of the panel shall be fixed to the floor channel made up of 1 mm thick GI channels of size 14x50x25 mm fixed to the existing floor with 6x60mm nylon self expansion screws at 600 mm C/C and top of the panel fixed with ceiling channel made out of 1mm thick GI Channel of size 38x50x38mm duly fixed to the existing ceiling with 6x60mm nylon self expansion screws at 600 mm C/C. All the tongue and groove joints of the panels have to be properly cleaned and both the panels have to be fixed by applying the mixture of fly ash and sodium silicate in between and Everest jointing compound all the exposed joints. The rate includes cost of 50mm SOLID WALL PANELS, G.I. Floor and ceiling channel. The panels can be flushed by using paper tape and Everest jointing compound all complete</p>	<p>Providing and fixing of 50mm thick SOLID WALL PANEL Sandwich panels made of light Weight FRACC two 4mm thick non-asbestos fibre reinforced cement sheets one either side of the lightweight concrete core</p>	<p>Providing and fixing of 50mm thick SOLID WALL PANEL Sandwich panels made of light Weight FRACC two 4</p>

14.4	<p>Providing and fixing 30mm thick BRAND FACTORY MADE SOLID SINGLE SIDE PRELAM PANEL PVC DOOR SHUTTER consisting of frame made out of MS. Tubes of 19gauge thickness and size of 19mmX19mm for stiles, and 15mmX15mm for top and bottom rails. The MS.Frame shall have a coat of steel primers of approved make and manufacture. MS. Frame covered with 5mm thick heat moulded "Rajshri" single side Prelam Pac 'C' channel of size 30mmX50mm to form stiles.5mm thick& 75mm wide single side prelim Pac sheets shall be for the top, bottom and lock rails. Panelling of 5mm thick one side Pac sheet to be fitted in the MS. Frame and sealed to the front (prelam side) stiles and rails (which should have a 5mm 45 bent portion as beading) and attached to the back(white/ivory) stiles and rails which should have a 10mm 900 bent portion as beading) using 2nos. 15mm wide X 5mm thick Pac sheet beading inside the 90 bent beading. All stiles, rails and beadings are to be joined to the panel using solvent cement etc. an additional 5mm thick Pac strip of 20mm width to be stuck on the interior side of the 'C" channel using Pac solvent cement adhesive and 10mm(5mmX2) thick, 20mm wide cross Pac sheet to be fitted as gap insert for top and bottom rail etc. complete as per direction of Engineer –in-Charge, manufacture specification and drawing</p>	<p>Providing and fixing 30mm thick BRAND FACTORY MADE SOLID SINGLE SIDE PRELAM PANEL PVC DOOR SHUTTER consisting of frame made out of MS. Tubes of 19gauge thickness and size of 19mmX19mm for stiles, and</p>	<p>Providing and fixing 30mm thick BRAND FACTORY MADE SOLID SINGLE SIDE PRELAM PANEL PVC DOOR SHUTTER</p>
52	<p>SINGLE SIDE PRELAM SOLID PANEL PVC DOOR FRAME (CHOUKHAT): Providing and fixing factory made Pac single side Prelam door frame of the size 50X47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid Pac single side prelam sheet, meter cut at two corners and joined with 2nos. of 150mm long brackets of 1515mm MS.Square tube. The two vertical door profiles are to be reinforced with 19X19mm MS. square tube of 19guage. The door frame shall be fixed to the wall using 65/100mm long MS. Screws through the frame by using Pac fasteners. a minimum of 4nos. of screws to be provided for each vertical member and minimum 2nos. for horizontal member etc. complete as per manufacture specification and direction of Engineer-in-charge.</p>	<p>SINGLE SIDE PRELAM SOLID PANEL PVC DOOR FRAME (CHOUKHAT): Providing and fixing factory made Pac single side Prelam door frame of the size 50X47 mm with a wall thickness of 5mm, made out of extruded 5</p>	<p>SINGLE SIDE PRELAM SOLID PANEL PVC DOOR FRAME (CHOUKHAT): Providing and fixing factory made Pac sin</p>

1100.00	<p>Supplying and fixing Gyp Board Fine Line Grid false ceiling (GS-FLC-4.6 as per India Gypsum) in size 600 mm x 600 mm using 12.5 mm thick/ 9.5 mm thick Gyp Board sheet tiles of size 595 mm x 595 mm or 595 mm x 1195 mm conforming to IS 2095 - 1992 fixing to Gyp steel precoated GI wall angle of size 25 mm x 25 mm x of 0.70 mm thick along the perimeter of ceiling screw fixed to brick work/ partition at 610 mm c/c and suspending the frame work using precoated GI Tee section (24 mm x 38 mm x 0.7 mm) from soffit at 1220 mm c/c fixed with GI Soffit Cleat, rawl plugs and steel expansion fasteners & connecting clip to the GI T section with 4 mm dia GI Rod with galvanised spring steel level clip of PVC unversal holding clips system at 1200 mm c/c and fixing the 12.5 mm / 9.5 mm Gypboard Sheet tiles of size 595 mm x 595 mm or 595 mm x 1195 mm and finishing two coats of drywall topcoat complete for finished item of work as per Idia Gypsum Ltd specification.</p>	<p>Supplying and fixing Gyp Board Fine Line Grid false ceiling (GS-FLC-4.6 as per India Gypsum) in size 600 mm x 600 mm using 12.5 mm thick/ 9.5 mm thick Gyp Board sheet tiles of size 595 mm x 595 mm or</p>	<p>Supplying and fixing Gyp Board Fine Line Grid false ceiling (GS-FLC-4.6 as per India Gypsum) in size</p>
1	<p>Providing, installation, testing and commissioning of UPS,24.0 K watts/ 30.0 Kva output voltage 400 or 415V 3Phase , output frequency 50/60 Hz with 60 min back up Ni+Cd battery bank Make: APC Microtec,Luminous or equivalent.</p>	<p>Providing, installation, testing and commissioning of UPS,24.0 K watts/ 30.0 Kva output voltage 400 or 415V 3Phase , output frequency 50/60 Hz with 60 min back up Ni+Cd battery bank Make: APC Microtec</p>	<p>Providing, installation, testing and commissioning of UPS,24.0 K watts/ 30.0 Kva output voltage 400</p>

1	<p>SITC of Silent DG Set (As per CPCB norms) complete with 1500 RPM Diesel Engine of suitable BHP & AC Brush less SPDP Alternator mounted on a common base Frame & coupled through a flexible coupling or close coupled. Alternator shall be self regulated with standard Alternator Protection(Over voltage , over speed & under voltage, under speed warning & shutdown). Engine shall have residential silencer, up to 3 M exhaust piping , electronic / Mechanical governor, Manual & electric Start ,Batteries, Engine instruments panel, AVM and with Weatherproof, powder coated Accoustic enclosure for DG set for sound attenuation fabricated from 1.6 mmCRCA sheet steel (structure) with side wall fabricated from 1.6 mm CRCA sheet & filled with 100mm thick glass wool(96Kg/m3)/Foam. as per IS 8183 the doors of 100 mm thick and fabricated from 1.6mm CRCA sheet packed with accoustic material, canopy fixed with axial flow fan , All doors/ opening are sealed with neoprene/EPDN gaskets. The enclosure has built in fuel tank, residential silencer (isolated from main DG chamber) with protection and tripping of DG setagainst temperature of more than 50 degree centigrade. All controls for operation of DG set are from outside the enclosure with DG control panel having Microprocessor based Genset monitoring & control system, MCCB, Ammeter, Voltmeter, PF meter, frequency meter, KWH meter, Ind.lamps etc. mounted inside enclosure , visible and accessible from outside. The enclosure should be suitable for following capacity DG sets and alternator. Noise level shall be less than 75 dBA at a distance of 1 Mtrs. duly certified by authorised agency etc. complete in all respect of following capacity : 380 KVA at 0.8 pf 415V 50Hz 3-ϕ</p>	<p>SITC of Silent DG Set (As per CPCB norms) complete with 1500 RPM Diesel Engine of suitable BHP & AC Brush less SPDP Alternator mounted on a common base Frame & coupled through a flexible coupling or c</p>	<p>SITC of Silent DG Set (As per CPCB norms) complete with 1500 RPM Diesel Engine of suitable BHP & AC</p>
1	<p>SITC of Auto main failure (AMF) Panel fabricated from CRCA sheet steel 2 mmThick , Powder coated finish , Engine Start & Stop commands, control Relays , selector switches for Ammeter & Voltmeter, Ammeter & Voltmeter , Control & Power Contactors, Timers, Electronic Hooter ,Visual & Alarm indication for faults, UPS, operator interface panel complete in all respect suitable for following capacity DG sets: 320 to 500 KVA</p>	<p>SITC of Auto main failure (AMF) Panel fabricated from CRCA sheet steel 2 mmThick , Powder coated finish , Engine Start & Stop commands, control Relays , selector switches for Ammeter & Voltmeter, Amm</p>	<p>SITC of Auto main failure (AMF) Panel fabricated from CRCA sheet steel 2 mmThick , Powder coated fin</p>

2	Providing, fixing, testing and commissioning of storage water cooler with inbuilt water purifier of storage capacity 140- 150 ltrs having power supply 230±10% V AC,50 HZ, 1 PH.The coller would have 2 water faucets having capacity of 140-150 LPH. The RO would have purification capacity 140-150 LPH & should have sediment, pre& post carbon filters. RO Membrane RO membrane flushing at every start, every stop and every one hour for one minute. The storage tank material would be of 303 GRADE , outer body material 303 grade .Make:-Blue star/voltas/oasis/ bluebird(BWC-150)/ Zero'B/Eurekaforbes/ Aquaguard	Providing, fixing, testing and commissioning of storage water cooler with inbuilt water purifier of storage capacity 140- 150 ltrs having power supply 230±10% V AC,50 HZ, 1 PH.The coller would have 2	Providing, fixing, testing and commissioning of storage water cooler with inbuilt water purifier of s
0	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, round tiles,Hot Dipped Galvanized Modular Box with earth terminal, 6 A Modular switch,Modular plate with grid plate, screws, making connections, testing etc. as required.	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR
120	Short point (up to 3 Mtr.), Gr.I	Short point (up to 3 Mtr.), Gr.I	Short point (up to 3 Mtr.), Gr.I
80	Medium point (up to 6 Mtr.), Gr.I	Medium point (up to 6 Mtr.), Gr.I	Medium point (up to 6 Mtr.), Gr.I
150	Long point (up to 10 Mtr.), Gr.I	Long point (up to 10 Mtr.), Gr.I	Long point (up to 10 Mtr.), Gr.I
0	Wiring of twin control light point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, round tles, Hot Dipped Galvanized M.S Modular box of 20 SWG with earth terminal,6 A two way Modular switch, Modular plate with grid plate, screws, making connections, testing etc. as required.	Wiring of twin control light point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible cop	Wiring of twin control light point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible
35	Medium point (up to 6 Mtr.)	Medium point (up to 6 Mtr.)	Medium point (up to 6 Mtr.)

0	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, Hot Dipped Galvanized M.S Modular box of 20 SWG with earth terminal, 6 A modular switch, 6 A modular socket, Modular plate with grid plate, screws, making connections, testing etc. as required.	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexib	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed fl
40	On board, Gr.I	On board, Gr.I	On board, Gr.I
50	Short point (up to 3 mtr.)	Short point (up to 3 mtr.)	Short point (up to 3 mtr.)
60	Supplying and fixing of power plug point Modular accessories on hot dipped galvanized modular on surface or in recessed with suitable size of grid plate with cover plate including cost of modular 16 amp. Switch and socket outlet , making connection , testing , etc. as required. Gr.I	Supplying and fixing of power plug point Modular accessories on hot dipped galvanized modular on surface or in recessed with suitable size of grid plate with cover plate including cost of modular 16	Supplying and fixing of power plug point Modular accessories on hot dipped galvanized modular on sur
0	P&F metal clad industrial plug top & socket unit with pin and sleeve type contact on porcelain/ bakelite base in sheet steel enclosure (without MCB) including making connections, testing etc.as required	P&F metal clad industrial plug top & socket unit with pin and sleeve type contact on porcelain/ bakelite base in sheet steel enclosure (without MCB) including making connections, testing etc.as requir	P&F metal clad industrial plug top & socket unit with pin and sleeve type contact on porcelain/ bake
8	Single / Double Pole (Three pin) 32 A	Single / Double Pole (Three pin) 32 A	Single / Double Pole (Three pin) 32 A
0	P & F 18 SWG Sheet steel boxes duly finished with two coats of red oxide and with earthing terminal of following sizes (nominal size) on surface or in recessed as required.	P & F 18 SWG Sheet steel boxes duly finished with two coats of red oxide and with earthing terminal of following sizes (nominal size) on surface or in recessed as required.	P & F 18 SWG Sheet steel boxes duly finished with two coats of red oxide and with earthing terminal
40	100mm x 100mm x 60mm	100mm x 100mm x 60mm	100mm x 100mm x 60mm
30	175mm x 100mm x 60mm	175mm x 100mm x 60mm	175mm x 100mm x 60mm
30	200mm x 125mm x 75mm	200mm x 125mm x 75mm	200mm x 125mm x 75mm
30	300mm x 300mm x 75mm	300mm x 300mm x 75mm	300mm x 300mm x 75mm

0	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall, covering conduit and making good the same as required.	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall, covering conduit	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface /
1500	20 mm,	20 mm,	20 mm,
800	25 mm,	25 mm,	25 mm,
100	32 mm,	32 mm,	32 mm,
0	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required.	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including ma	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of
2500	2 x 1.5 sq.mm Gr.I	2 x 1.5 sq.mm Gr.I	2 x 1.5 sq.mm Gr.I
800	2 x 2.5 sq.mm, Gr.I	2 x 2.5 sq.mm, Gr.I	2 x 2.5 sq.mm, Gr.I
850	2 x 2.5 sq. mm. + 1x1.5sqmm, Gr.I	2 x 2.5 sq. mm. + 1x1.5sqmm, Gr.I	2 x 2.5 sq. mm. + 1x1.5sqmm, Gr.I
630	2 x 4.0 sq. mm. + 1 x 2.5 sq. mm. Gr. I	2 x 4.0 sq. mm. + 1 x 2.5 sq. mm. Gr. I	2 x 4.0 sq. mm. + 1 x 2.5 sq. mm. Gr. I
300	2 x 6.0 sq. mm. + 1 x 2.5 sq. mm. Gr. I	2 x 6.0 sq. mm. + 1 x 2.5 sq. mm. Gr. I	2 x 6.0 sq. mm. + 1 x 2.5 sq. mm. Gr. I
0	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections, testing etc. as required.	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets incl	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripp
80	Single pole MCB , 6 A to 32 A rating	Single pole MCB , 6 A to 32 A rating	Single pole MCB , 6 A to 32 A rating

15	Double pole MCB, 40 A 63 A rating	Double pole MCB, 40 A 63 A rating	Double pole MCB, 40 A 63 A rating
8	Triple pole & neutral MCB, 40 A 63 A rating	Triple pole & neutral MCB, 40 A 63 A rating	Triple pole & neutral MCB, 40 A 63 A rating
0	P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phophatised/ powder painted complete with suitable rating insulated copper bus bar, shorting link , neutral link, earth link and din bar,masking sheet, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as required.	P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phophatised/ powder painted complete with suitable rating insulated copper bus bar, shorting link , neutral lin	P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phophatised
15	Double door (single phase), 8 Way, Gr.I	Double door (single phase), 8 Way, Gr.I	Double door (single phase), 8 Way, Gr.I
5	Double door (Three phase),8 Way	Double door (Three phase),8 Way	Double door (Three phase),8 Way
0	P&F recessed/ surface mounting heavy duty Vertical type 16 SWG sheet steel Distribution board with provision of incomer suitable for MCCB and SP / TP MCB as outgoing , phophatised ,powder painted complete with insulated suitable rating copper bus bar , neutral link, earth link and din bar, masking sheet & conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as required. Double door with Provision of Incomer MCCB 100 / 125 A Rating	P&F recessed/ surface mounting heavy duty Vertical type 16 SWG sheet steel Distribution board with provision of incomer suitable for MCCB and SP / TP MCB as outgoing , phophatised ,powder painted com	P&F recessed/ surface mounting heavy duty Vertical type 16 SWG sheet steel Distribution board with p
6	8 Way, Gr.I	8 Way, Gr.I	8 Way, Gr.I
0	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.(Armoured & Group-1)	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excav	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor o
700	4 C x 6 Sqm.	4 C x 6 Sqm.	4 C x 6 Sqm.
1500	4 C x 10 Sqm.	4 C x 10 Sqm.	4 C x 10 Sqm.
1600	4 C x 25 Sqm.	4 C x 25 Sqm.	4 C x 25 Sqm.
500	4 C x 35 Sqm.	4 C x 35 Sqm.	4 C x 35 Sqm.

350	3.5C x 50 Sqm.	3.5C x 50 Sqm.	3.5C x 50 Sqm.
0	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with Copper conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with Copper conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavati	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with Copper conductor of I
120	4 C x 25 Sqm.	4 C x 25 Sqm.	4 C x 25 Sqm.
80	3C X 2.5 Sq mm	3C X 2.5 Sq mm	3C X 2.5 Sq mm
0	Supplying and making one end termination with heavy duty single compression brass gland SIBG type, heavy duty Copper lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size.	Supplying and making one end termination with heavy duty single compression brass gland SIBG type, heavy duty Copper lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured P	Supplying and making one end termination with heavy duty single compression brass gland SIBG type, h
20	4 x 10.0 sq.mm	4 x 10.0 sq.mm	4 x 10.0 sq.mm
12	4 x 25.0 sq.mm	4 x 25.0 sq.mm	4 x 25.0 sq.mm
5	3.5 x 50.0 sq.mm	3.5 x 50.0 sq.mm	3.5 x 50.0 sq.mm
0	SITC of quick make and quick break 4 POLE current limiting MCCB having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings and conforming to IS 60947-2 / IEC 60947-2 with front face and centralised adjustable, line load interchangeability, having positive isolation capability, provision for UVR , shunt trip ,earth fault trip, push (test) to trip , including making connections with lugs & spreaders, etc. as required. With Thermal Magnetic release	SITC of quick make and quick break 4 POLE current limiting MCCB having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings and conforming to IS 6094	SITC of quick make and quick break 4 POLE current limiting MCCB having following current rating,
12	up to 100 Amp , 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu, Gr.I	up to 100 Amp , 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu, Gr.I	up to 100 Amp , 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu, Gr.I
2	160 Amp, 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	160 Amp, 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	160 Amp, 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu

2	250 Amp , 35 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu, Gr.I	250 Amp , 35 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu, Gr.I	250 Amp , 35 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu, Gr.I
15	SITC of wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel made out of CRCA sheet , required hardware ,duly treated for derusting in 7 tank process with dephosphating and with powder coating on both side of panel in desired shade The panel having PU/ Neoprene rubber gasket of not less than 3mm thickness , separate detachable gland plate M.S. base channel ,hinged door with locking arrangement for equipment/switchgear . Thickness of sheet shall not be less than 1.6 mm up to 600 mm length / width of any compartment and be of 2.0 mm above 600 mm. Load bearing structure shall be of 2.0 mm thick sheet supported by base M.S. channel if required . Side walls and cable alley compartments having bolted type doors with / without detachable extension type structure. (only outer area on all sides shall be measured & panel to be fabricated from CPRI approved fabricator)	SITC of wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel made out of CRCA sheet , required hardware ,duly treated for derusting in 7 tank process with dephosph	SITC of wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel mad
10	Supplying and fixing of Aluminium / Copper bus bar by means of SMC / DMC type insulator, high tensile nuts and bolts spring washers in existing panel including bending , cutting in required shape and size and colour coding with heat shrinkable PVC sleeves. Electrolytic grade Copper bus bar	Supplying and fixing of Aluminium / Copper bus bar by means of SMC / DMC type insulator, high tensile nuts and bolts spring washers in existing panel including bending , cutting in required shape and	Supplying and fixing of Aluminium / Copper bus bar by means of SMC / DMC type insulator, high tensi
1	SF of (0-500) V range Volt meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required. Digital type, Gr.I	SF of (0-500) V range Volt meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required. Digital type, Gr.I	SF of (0-500) V range Volt meter on existing panel , making connection by PVC insulated copper condu

1	SF of CT operated direct reading type Ampere meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required. Digital type, Gr.I Below 500 A, Gr.I	SF of CT operated direct reading type Ampere meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required. Digital type, Gr.I Below 500 A,	SF of CT operated direct reading type Ampere meter on existing panel , making connection by PVC ins
6	SF of Current Transformer , with all necessary support in existing panel including connection etc. as required. from 200 / 5 to 400/5 Ratio , 10 VA , class 0.5 accuracy, Gr.I	SF of Current Transformer , with all necessary support in existing panel including connection etc. as required. from 200 / 5 to 400/5 Ratio , 10 VA , class 0.5 accuracy, Gr.I	SF of Current Transformer , with all necessary support in existing panel including connection etc.
2	SF of CT linked selector switch of 10 A for Ampere meter (4 position) including making connection etc. as required .Gr.I	SF of CT linked selector switch of 10 A for Ampere meter (4 position) including making connection etc. as required .Gr.I	SF of CT linked selector switch of 10 A for Ampere meter (4 position) including making connection
6	SF of 110/220 V, LED (22.5 mm dia) Indicating lamp with integral circuit, terminal block, including connection etc. as required.Red/yellow/Green colour, Gr.I	SF of 110/220 V, LED (22.5 mm dia) Indicating lamp with integral circuit, terminal block, including connection etc. as required.Red/yellow/Green colour, Gr.I	SF of 110/220 V, LED (22.5 mm dia) Indicating lamp with integral circuit, terminal block, includi
2	P & F of ac operated heavy duty 230 /440 Volt power contactor conforming to IS:13947-4-1/IEC:947-4-1 having provision of mechanical interlocking, auxiliary contacts, Din rail mounting type including making connections, testing etc. as required. 3 pole Power contactors with following AC 3 Rating, 140 Amp	P & F of ac operated heavy duty 230 /440 Volt power contactor conforming to IS:13947-4-1/IEC:947-4-1 having provision of mechanical interlocking, auxiliary contacts, Din rail mounting type including	P & F of ac operated heavy duty 230 /440 Volt power contactor conforming to IS:13947-4-1/IEC:947-4-

2	P&F of mechanical / digital time switch having following day / week programme and minimum 100 hours reserve and AC1 rating of 16-20 amperes including making connection, programming etc. as required. One day & week reserve (digital type)	P&F of mechanical / digital time switch having following day / week programme and minimum 100 hours reserve and AC1 rating of 16-20 amperes including making connection, programming etc. as required. O	P&F of mechanical / digital time switch having following day / week programme and minimum 100 hours
6	Plate Earthing as per IS:3043 with copper Earth plate of size 600mm x 600mm x 3.0mm by embodying 3 to 4 mtr. below the ground level with 25 mm dia. G.I. 'B' class watering Pipe including all accessories like nut, bolts, reducer, nipple ,wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size300mm x 300mm complete with alternate layers of salt and coke/charcoal, testing of earth resistance as required.	Plate Earthing as per IS:3043 with copper Earth plate of size 600mm x 600mm x 3.0mm by embodying 3 to 4 mtr. below the ground level with 25 mm dia. G.I. 'B' class watering Pipe including all access	Plate Earthing as per IS:3043 with copper Earth plate of size 600mm x 600mm x 3.0mm by embodying 3
60	S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required. 25mm x 3mm copper strip	S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required. 25mm x 3mm copper strip	S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess i
0	S & Laying following size' B ' class G.I. Pipe confirming to IS : 1239 P - 1 (1990) with accessories for laying earth conductor/strip / cable in ground/surface/recess as required	S & Laying following size' B ' class G.I. Pipe confirming to IS : 1239 P - 1 (1990) with accessories for laying earth conductor/strip / cable in ground/surface/recess as required	S & Laying following size' B ' class G.I. Pipe confirming to IS : 1239 P - 1 (1990) with accessori
30	20 mm dia.	20 mm dia.	20 mm dia.
40	50 mm dia.	50 mm dia.	50 mm dia.

6.00	P&F of Double ball bearing, capacitor start single phase metallic blade fresh air fan, in existing opening including cost of hardware , flexible copper conductor ,making connections, testing etc. as required. 300 mm sweep	P&F of Double ball bearing, capacitor start single phase metallic blade fresh air fan, in existing opening including cost of hardware , flexible copper conductor ,making connections, testing etc. as	P&F of Double ball bearing, capacitor start single phase metallic blade fresh air fan, in existing
16	P&F of Heavy duty capacitor start, Double ball bearing 900/1400 RPM single phase ISI marked Exhaust fan,IS:2312 marked in existing opening including making connections testing etc. as required. 600 mm sweep(700 / 900 RPM)	P&F of Heavy duty capacitor start, Double ball bearing 900/1400 RPM single phase ISI marked Exhaust fan,IS:2312 marked in existing opening including making connections testing etc. as required. 600	P&F of Heavy duty capacitor start, Double ball bearing 900/1400 RPM single phase ISI marked Exhaust
30	Making hole in stone masonry/ RCC with core cutter for accomodating refrigerant pipe/ drain pipe for split/ cassattee/ ductable AC 50mm to 150mm	Making hole in stone masonry/ RCC with core cutter for accomodating refrigerant pipe/ drain pipe for split/ cassattee/ ductable AC 50mm to 150mm	Making hole in stone masonry/ RCC with core cutter for accomodating refrigerant pipe/ drain pipe fo
40	Supply and fixing of 60 LED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughned glass, SupplyInput voltage 120 - 270 V AC, P.F > 0.90, high power LED's having System efficacy > 95 lm/W and junction temprature < 70°C, with Ingrees protection IP65, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), Driver surge protection 4KV, external Surge protection ≥ 5KV with optics distribution , THD<10% atb110 Volts AC, driver efficiency >90%, CCT: 3000K -5700K, minimum CRI>70, etc., complete a)	Supply and fixing of 60 LED Street light Luminaire made of pressure diecast alluminium body with powder coated, having protective toughned glass, SupplyInput voltage 120 - 270 V AC, P.F > 0.90, high	Supply and fixing of 60 LED Street light Luminaire made of pressure diecast alluminium body with po

1	Supply of Automatic Street Light Control System with Optical Micro Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC per Phase, 50 HZ with suitable SMC enclosure of IP 54 protection, MCBs and contactor suitable to control the load of 12 KW of Three phase load with necessary clamping arrangements. Make: Swadeep Nature Switch / Light Mate or its equivalent.	Supply of Automatic Street Light Control System with Optical Micro Sensor, Low volatage / High voltage trip and reset, operating voltage 150 - 280V AC per Phase, 50 HZ with suitable SMC enclosure of	Supply of Automatic Street Light Control System with Optical Micro Sensor, Low volatage / High volta
60	Supply and fixing of 50 W LED Flood light Luminaire made of pressure diecast alluminium housing with powder coated, having protective toughned glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's System efficacy >95lm/W and junction temprature < 70°C, with Ingres protection IP65, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), IK05, Driver surge protection 4KV, external Surge protection ≥ 5KV with wide/ Narrow beam optics, THD<10% at 110 Volts AC, driver efficiency >90%, , CCT: 3000K - 5700K, minimum CRI>70, etc., complete	Supply and fixing of 50 W LED Flood light Luminaire made of pressure diecast alluminium housing with powder coated, having protective toughned glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, hi	Supply and fixing of 50 W LED Flood light Luminaire made of pressure diecast alluminium housing with
0	"Supply and laying of one number double walled corrugated (DWC) HDPE pipe of following sizes having corrugation on the outer wall and plain surface inner wall confirming to IS : 14930 Part - I and II complete with necessary HDPE fittings for protection of 1.1 KV grade U.G cable directly in ground at a depth of 60Cms including excavation and refilling the trench as required.	"Supply and laying of one number double walled corrugated (DWC) HDPE pipe of following sizes having corrugation on the outer wall and plain surface inner wall confirming to IS : 14930 Part - I and II	"Supply and laying of one number double walled corrugated (DWC) HDPE pipe of following sizes having
800	Double wall corrugated HDPE pipe confirming to IS : 14930. 50 mm	Double wall corrugated HDPE pipe confirming to IS : 14930. 50 mm	Double wall corrugated HDPE pipe confirming to IS : 14930. 50 mm
750	Double wall corrugated HDPE pipe confirming to IS : 14930. 63 mm	Double wall corrugated HDPE pipe confirming to IS : 14930. 63 mm	Double wall corrugated HDPE pipe confirming to IS : 14930. 63 mm
500	Double wall corrugated HDPE pipe confirming to IS : 14930. 90 mm	Double wall corrugated HDPE pipe confirming to IS : 14930. 90 mm	Double wall corrugated HDPE pipe confirming to IS : 14930. 90 mm

160	SITC of indoor Focusable Track mounted spot having its construction in aluminum diecast, system power should not be more than 12W along with various choice of color temperature varying from 2700K/ 3000K/ 4000K or as per consultants requirement with CRI 90+. Fixture should have a flexibility to adjust beam angle from 12 to 60 Degree for the different areas or as per the consultant's request. Fixture should have the black or white finish Make - Philips,Wipro, syska, Baja Litolux	SITC of indoor Focusable Track mounted spot having its construction in aluminum diecast, system power should not be more than 12W along with various choice of color temperature varying from 2700K/ 30	SITC of indoor Focusable Track mounted spot having its construction in aluminum diecast, system pow
180	SITC of 3 phase universal Track , Single piece die- cast aluminium in anodised white or black coating , 3 Circuit non dimmable, inclusive of live end with power and data feed and dead end. Make: Philips,Wipro, syska, Bajaj, Litolux,	SITC of 3 phase universal Track , Single piece die- cast aluminium in anodised white or black coating , 3 Circuit non dimmable, inclusive of live end with power and data feed and dead end. Make: Ph	SITC of 3 phase universal Track , Single piece die- cast aluminium in anodised white or black coati
40	Supply of indoor Framing Track mounted spot having its construction in aluminum diecast, system power should not be more than 20.5W along with various choice of color temperature varying from 2700K/ 3000K/ 4000K or as per consultants requirement with CRI 90+. Fixture should have a flexibility to adjust beam angle from 20 to 45 Degree for the different areas or as per the consultant's request. Fixture should have the black or white finish. . Make - Philips,Wipro, syska, Bajaj Litolux,	Supply of indoor Framing Track mounted spot having its construction in aluminum diecast, system power should not be more than 20.5W along with various choice of color temperature varying from 2700K/	Supply of indoor Framing Track mounted spot having its construction in aluminum diecast, system pow

60	<p>Supply and Transportation of heavy duty LED Down lighter, suitable for Recessed mounting made of diecast alluminium body with powder coating, acrylic diffuser with Driver as per IS: 15885 (Part 2/ Sec 13) : 2012 , operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<10% with high power LED's having efficacy of > 120 lumens / watt, CCT: 3000K-5700K, minimum CRI > 70, Luminaire performance complies to IS 10322 (Part 5 / Sec-3) etc., complete a) LUMINAIRE MAKE : Phillips /Lighting Technologies(LT) / GE / Crompton / Wipro / Bajaj / Havells / VIN b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG. 18 W</p>	<p>Supply and Transportation of heavy duty LED Down lighter, suitable for Recessed mounting made of diecast alluminium body with powder coating, acrylic diffuser with Driver as per IS: 15</p>	<p>Supply and Transportation of heavy duty LED Down lighter, suitable for Recessed mounting</p>
70	<p>SITC of Linear Lighting segment (LED source) to be installed easily with magnetic mounting system fit and should have 45 degree horizontal tilt with length 900mm with 7W (maintaining min lumen of 85lm/W) in color temp 3000K/ 4000K required as per site or suggested as per consultant's requirement, segment to be used either for direct or indirect illumination. Fixture specifications to be approved by consultant before procurement. Make - Philips,Wipro, syska, Baja Litolux, Dot Spot</p>	<p>SITC of Linear Lighting segment (LED source) to be installed easily with magnetic mounting system fit and should have 45 degree horizontal tilt with length 900mm with 7W (maintaining min lumen of 85l</p>	<p>SITC of Linear Lighting segment (LED source) to be installed easily with magnetic mounting system fi</p>
80	<p>SITC of Linear Lighting segment (LED source) to be installed easily with magnetic mounting system fit and should have 45 degree horizontal tilt with length 400mm with 7W (maintaining min lumen of 85lm/W) in color temp 3000K/ 4000K required as per site or suggested as per consultant's requirement, segment to be used either for direct or indirect illumination. Fixture specifications to be approved by consultant before procurement. Make -Philips,Wipro, syska, Baja Litolux, Dot Spot</p>	<p>SITC of Linear Lighting segment (LED source) to be installed easily with magnetic mounting system fit and should have 45 degree horizontal tilt with length 400mm with 7W (maintaining min lumen of 85l</p>	<p>SITC of Linear Lighting segment (LED source) to be installed easily with magnetic mounting system fi</p>

150	SITC of Led Linear Band in triangular shape as per consultant request made of anodized aluminium, for grazing of profile, should be resistant to radiation,chemicals and abrasion.Fixture should have high amount of copper in FPC for the longevity of the fixture.Electrical Characterstics-6-10w/m in color temperature 2700k /3000K/ 4000K or as per consultant with lumenout of around 900lm/m runs on 24v along with remote driver. Make: Philips,Wipro, syska, Baja Litolux,	SITC of Led Linear Band in triangular shape as per consultant request made of anodized aluminium, for grazing of profile, should be resistant to radiation,chemicals and abrasion.Fixture should have	SITC of Led Linear Band in triangular shape as per consultant request made of anodized aluminium, f
50	SITC of Showcase Lighting segment (LED source) to be installed mounting system with length 300mm with 3W each (maintaining min lumen of 18lm) in color temp 2700K/3000K/ 4000K/ 6000K required as per site or suggested as per consultant's requirement, segment to be used for focussing element by using 30 degree optics. Make: Philips,Wipro, syska, Bajaj Litolux,	SITC of Showcase Lighting segment (LED source) to be installed mounting system with length 300mm with 3W each (maintaining min lumen of 18lm) in color temp 2700K/3000K/ 4000K/ 6000K required as per s	SITC of Showcase Lighting segment (LED source) to be installed mounting system with length 300mm wi
60	P & F of LED T-5 wall breaket fixtures 18 w complete as per required Make : Philips, Osram,Wipro, Bajaj,Surya	P & F of LED T-5 wall breaket fixtures 18 w complete as per required Make : Philips, Osram,Wipro, Bajaj,Surya	P & F of LED T-5 wall breaket fixtures 18 w complete as per required Make : Philips, Osram,Wipro, Ba
3.00	SITCF of IP PTZ Camera with 2 MP 30X Optical Zoom, 1920x1080 image resolution, Day & Night IR Cut Filter , Range Pan:360°endless; Tilt: -15°~90° (Auto Flip) Number of Preset 300, IR Distance up to 150 M Ir Dintensity Automatically adjusted, depending on the zoom ratio ONVIF, UL, CE, EN along with all Accessories Make - Bose,Honywell,Sony	SITCF of IP PTZ Camera with 2 MP 30X Optical Zoom, 1920x1080 image resolution, Day & Night IR Cut Filter , Range Pan:360°endless; Tilt: -15°~90° (Auto Flip) Number of Preset 300, IR Distance up to 15	SITCF of IP PTZ Camera with 2 MP 30X Optical Zoom, 1920x1080 image resolution, Day & Night IR Cut F

44.00	<p>SITC of IP Dome & Bullet IR Camera Outdoor day & night IR camera with mounting arrangement complying to with following specifications: Video Standard PAL / NTSC Scanning System Progressive Image Sensor 1/3" 3 megapixel progressive scan CMOS Effective Pixels 2304 (H) × 1296 (V) IR LEDs IR Illumination Distance 30m depending on scene reflectance, Smart IR, S/N Ratio More than 50dB Gain Control Auto / Manual Electronic Shutter Speed Auto/Manual, 1/3(4)~1/10000s Lens Type 2.8 - 12mm motorised focus/zoom Horizontal Angle of View 98.1° - 29.9°, White Balance Auto / Manual Day/Night Auto (ICR) / Color / B&W Backlight Compensation BLC / HLC / DWDR</p> <p>Exposure Mode Manual / Low noise / Low motion blur / Auto Ranges from 1/3 to 1/10000 Noise Reduction 3D DNR</p> <p>Video Flip Support mirror function and flip function.</p> <p>Snapshot Max 1f/s snapshot. File extension name is JPEG.</p> <p>Privacy Mask Supports 4 privacy mask zones (maximum)</p> <p>Video Setup Support parameter setup such as bright, contrast. Video Information Channel title, time title, motion detect, privacy mask. Motion Detection, On Screen Display on Monitor/Display Unit : Yes, in English, Camera should be ONVIF Compliancy</p> <p>Power Source : Suitable adaptor shall be supplied to make the equipment work on 230V+ or - 10%, 50Hz and Power over Ethernet (POE 802.3 af) on wall/ pole /ceiling with connections along with all accessories and standard mounting bracket etc comp as required for following</p>	<p>SITC of IP Dome & Bullet IR Camera Outdoor day & night IR camera with mounting arrangement complying to with following specifications: Video Standard PAL / NTSC Scanning System Progressive Image Sensor</p>	<p>SITC of IP Dome & Bullet IR Camera Outdoor day & night IR camera with mounting arrangement complying</p>
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4.00	<p>S/I/T/C of Network Video Recorder with mounting arrangement complying to with following specifications or better: Recorded data of selected cameras & time data range can be copied to the SD Card / USB media, USB Port (2.0) : 2 Nos. USB Mouse Resolution : SUPPORTS UPTO 5MP OSD Text : Yes Video Network : H.264/MJPEG-4/MJPEG The system shall have the storage capacity of atleast 15 days to record all the camera 24x7 on full HD Audio : Two-way Audio (G.711/G.726) Multiple camera search : Multiple camera search at the same time Password Protected eMail Notifications : Upon Alarm or Warning No. of Simultaneous Users : Four Video Playback over any IP Network (LAN / WAN) Network Port : 1x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ-45) Video Output Port : One Min. (Preferrably : HDMI 1920x1080p) Audio Output Port : One (Min.) Search Parameters : Time, date, Event Play : Forward, Backward, adjustable playback speed It shall have inbuilt web server and shall be directly accessible through internet explorer. Disk Interface : SCSI/SAS/SATAII Signal to Noise Ratio : 50 dB or Higher NVR should be ONVIF Compliancy Power supply : Suitable adaptor shall be supplied to make the equipment work on 230V+ or - 10% , 50Hz Installation at site with connections, along with all accessories and viewer software as reqd of following ratings etc. complete as required. 16 Channel NVR Make</p>	<p>S/I/T/C of Network Video Recorder with mounting arrangement complying to with following specifications or better: Recorded data of selected cameras & time data range can be copied to the SD Card / USB</p>	<p>S/I/T/C of Network Video Recorder with mounting arrangement complying to with following specificatio</p>
8.00	<p>Supply and installation of 8 port switch having the speed of minimum 1 GHz or better with 10/100/1000 base Tx with 4 poe , 1 no. dual personality Gbe Port for copper/fiber uplink, 3.7 Gbps switching capacity, 2.7 MPPS forwarding rate. The should have the +facility to drive all the cameras etc. as required of following ports :8 ports</p>	<p>Supply and installation of 8 port switch having the speed of minimum 1 GHz or better with 10/100/1000 base Tx with 4 poe , 1 no. dual personality Gbe Port for copper/fiber uplink, 3.7 Gbps switching</p>	<p>Supply and installation of 8 port switch having the speed of minimum 1 GHz or better with 10/100/10</p>

8.00	Supply , Installation, Testing and Comissioning of 6U Wall mounted rack Compatible with 19" International standards with glass doors, handles ,lock , Supports for mounting rack on wall Equipment hardware as per directed by engineer incharge	Supply , Installation, Testing and Comissioning of 6U Wall mounted rack Compatible with 19" International standards with glass doors, handles ,lock , Supports for mounting rack on wall Equipment	Supply , Installation, Testing and Comissioning of 6U Wall mounted rack Compatible with 19" Intern
2500.00	Supply and run of lan cable cat-6 UTP cable in existing pipe for mains inlcuding all labour charges etc., complete.	Supply and run of lan cable cat-6 UTP cable in existing pipe for mains inlcuding all labour charges etc., complete.	Supply and run of lan cable cat-6 UTP cable in existing pipe for mains inlcuding all labour charg
1.00	"Supply Installation testing Commissioning of following 17U floor miunting network rack capacity with glass front door, steel rear door, power supply, MCB, cable manager, drawer shelves and wiring channels to accommodate CCTV systems equipment and complete with accessories as reqd.	"Supply Installation testing Commissioning of following 17U floor miunting network rack capacity with glass front door, steel rear door, power supply, MCB, cable manager, drawer shelves and wiring ch	"Supply Installation testing Commissioning of following 17U floor miunting network rack capacity wi
8.00	Supply and installation of 8 port switch having the speed of minimum 1 GHz or better with 10/100/1000 base Tx with 4 poe , 1 no. dual personality Gbe Port for copper/fiber uplink, 3.7 Gbps switching capacity, 2.7 MPPS forwarding rate. The should have the +facility to drive all the cameras etc. as required of following ports :8 ports	Supply and installation of 8 port switch having the speed of minimum 1 GHz or better with 10/100/1000 base Tx with 4 poe , 1 no. dual personality Gbe Port for copper/fiber uplink, 3.7 Gbps switching	Supply and installation of 8 port switch having the speed of minimum 1 GHz or better with 10/100/10
450.00	Supplying and laying of Optical Fiber Single Mode Cable 6 Core on surface or in existing conduit etc complete i/c connections etc complete as required	Supplying and laying of Optical Fiber Single Mode Cable 6 Core on surface or in existing conduit etc complete i/c connections etc complete as required	Supplying and laying of Optical Fiber Single Mode Cable 6 Core on surface or in existing conduit et

60.00	Supply Installation testing and Commissioning of Pigtailed for fiber core connectivity 1 meter with Splicing and testing etc complete as required	Supply Installation testing and Commissioning of Pigtailed for fiber core connectivity 1 meter with Splicing and testing etc complete as required	Supply Installation testing and Commissioning of Pigtailed for fiber core connectivity 1 meter with Splicing and testing etc complete as required
8.00	Supplying, installation, Testing and Commissioning of 4 TB HARD DISK WD/SEAGATE	Supplying, installation, Testing and Commissioning of 4 TB HARD DISK WD/SEAGATE	Supplying, installation, Testing and Commissioning of 4 TB HARD DISK WD/SEAGATE
40.00	Supply,installation testing and commissioning of 10 W ceiling mounted speakers with line matching Transformer & with back box for speaker installation on slab.Make Bosch/ Bose / Altec Lansin or equivalent	Supply,installation testing and commissioning of 10 W ceiling mounted speakers with line matching Transformer & with back box for speaker installation on slab.Make Bosch/ Bose / Altec Lansin or equiva	Supply,installation testing and commissioning of 10 W ceiling mounted speakers with line matching Tr
1.00	Dynamic Goose neck microphone with table top stand.	Dynamic Goose neck microphone with table top stand.	Dynamic Goose neck microphone with table top stand.
760.00	SITC of Speaker cable 2 core 1 Sqm. Copper cable, in existing pipe for mains including all labour charges etc., complete.Make skytone finolex,polycam	SITC of Speaker cable 2 core 1 Sqm. Copper cable, in existing pipe for mains including all labour charges etc., complete.Make skytone finolex,polycam	SITC of Speaker cable 2 core 1 Sqm. Copper cable, in existing pipe for mains including all labour
2.00	"S/I/T/C of LED Monitor full HD complying to with following specifications:Resolution : Full HD : 1920 x 1080 or better Backlight : CFL/LED Brightness : 400 NITS min. Contrast : 1200 : 1 or better Power supply : 230v + / - 10%, 50 Hz installation at site with connections and along with all accessories of 42 INCHES sizes etc. comp as required "	"S/I/T/C of LED Monitor full HD complying to with following specifications:Resolution : Full HD : 1920 x 1080 or better Backlight : CFL/LED Brightness : 400 NITS min. Contrast : 1200 : 1 or better P	"S/I/T/C of LED Monitor full HD complying to with following specifications:Resolution : Full HD : 1

1.00	SITC of 600 watt Amplifier and Digital Audio Controller Make Bosch/samsung/Sony	SITC of 600 watt Amplifier and Digital Audio Controller Make Bosch/samsung/Sony	SITC of 600 watt Amplifier and Digital Audio Controller Make Bosch/samsung/Sony
4.00	SITC of Sound link wireless around Ear Headphones with Mic &Bluetooth wireless, 1 lithium ion Batteries (Included) etc. as per required and Extended Warranty 3 Year Make: (Sennheiser, JBL,Bose)	SITC of Sound link wireless around Ear Headphones with Mic &Bluetooth wireless, 1 lithium ion Batteries (Included) etc. as per required and Extended Warranty 3 Year Make: (Sennheiser, JBL,Bose)	SITC of Sound link wireless around Ear Headphones with Mic &Bluetooth wireless, 1 lithium ion Batter
1.00	Supply, Installation, testing and commissioning of wall mounting 1 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 character LCD display 4 access levels 1000 events, historical logging, flash E-PROM, 240 volts A C Power supply, automatic battery charger, 24V SLA batteries suitable for operating the entire system including tack back units andthe hooters/strobes for a minimum of 4 hours in battery condition the panel shall have suitable power amplifiers for hooter / strobes the panel shall be capable beeing integrated with the BMS system and shall include cost of supply, installation of any additional modules or interfaces required for the same. The panel shall be completed as per the specification and as required fixing of 1 loop Micro processor based Fire Alarm control panel with zonal indications and battery back up as per detailed specifications. Makes: Notifier / Edwards.	Supply, Installation, testing and commissioning of wall mounting 1 loop micro processor based analog addressable fire alarm Control panel expandable by minimum 2 additional loops with minimum 80 chara	Supply, Installation, testing and commissioning of wall mounting 1 loop micro processor based analog
1.00	SITC of Repeater Panel for Fire Alarm System with piezo sounder, LCD alpha numeric character display with accept / reset buttons for alarm address of any sensor / field device. The Repeater Panel shall only provide field device address with room number. Analogue Output is not required. The Panel shall be connected to the Fire Alarm Panel.	SITC of Repeater Panel for Fire Alarm System with piezo sounder, LCD alpha numeric character display with accept / reset buttons for alarm address of any sensor / field device. The Repeater Panel s	SITC of Repeater Panel for Fire Alarm System with piezo sounder, LCD alpha numeric character displa

1.00	Supply , installation testing and commisioning of folowing modules suitable for Addressable fire Alarm Control panel ,Control modules for floor wise activation of hooters	Supply , installation testing and commisioning of folowing modules suitable for Addressable fire Alarm Control panel ,Control modules for floor wise activation of hooters	Supply , installation testing and commisioning of folowing modules suitable for Addressable fire AI
70.00	Supply and installation of intalligent analogue addressable multi criterion detectors below false ceiling/on ceiling including the cost of base plate. 75mm dia MS outlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and as required.Makes: Notifier / Edwards	Supply and installation of intalligent analogue addressable multi criterion detectors below false ceiling/on ceiling including the cost of base plate. 75mm dia MS outlet box for fixing of the detector	Supply and installation of intalligent analogue addressable multi criterion detectors below false ce
4.00	Supply and installation of addressable analogue manual call point with resetable flexible element to initiate alaram including the cost of ounting accessories etc. complete.Makes: Notifier / Edwards.	Supply and installation of addressable analogue manual call point with resetable flexible element to initiate alaram including the cost of ounting accessories etc. complete.Makes: Notifier / Edwards.	Supply and installation of addressable analogue manual call point with resetable flexible element to
5.00	Supply and installation of response indicators for above false ceiling detectors.	Supply and installation of response indicators for above false ceiling detectors.	Supply and installation of response indicators for above false ceiling detectors.
4.00	Supply and fixing of addressable wall mounting strobes cum hooters including the cost of mounting accessories complete as per specifications and as required including testing and commissioning. Makes: Notifier / Edwards.	Supply and fixing of addressable wall mounting strobes cum hooters including the cost of mounting accessories complete as per specifications and as required including testing and commissioning. Makes:	Supply and fixing of addressable wall mounting strobes cum hooters including the cost of mounting ac

8.00	"Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insulated armoured cable 11000V grade of seamless type outer tubing with necessary accessories and suitable clamps duly erected and connected to the supply for the following multi core cables including cost and conveyance of materials and all labour charges etc., complete for 50 to 95Sqmm. Makes: Raychem / M Seal / Denson / Multy / Transeal -Hongshang."	"Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insulated armoured cable 11000V grade of seamless type outer tubing with necessary accessories and suitab	"Providing and erecting heat shrinkable straight through joint out door / indoor for H.T, XLPE Insul
50.00	Supply and fixing of ISI mark (IS:15683) Clean Agent HCFC 123, 2 Kg Fire exitinguisher , Stored pressure type, pressure guage, gross weight 3.7Kg , empty weight 1.7 Kg, discharge time minimum 8 secs, controllable discharge mechanism, range minimum 2 meters, applicable on class A,B,C and electrically started Fire, A rating- 1A, B rating- 21B, can construction: Deep drawn & CO2 mig welded, Valve construction: Forging & Machining, Internal coating of Can: Epoxy powder coating, External coating of can: Epoxy polyster powder coating, sheet metal thickness: 1.60 mm, Helium leak detection tested, 5 Years warranty Makes: Ceasefire / Minimax)	Supply and fixing of ISI mark (IS:15683) Clean Agent HCFC 123, 2 Kg Fire exitinguisher , Stored pressure type, pressure guage, gross weight 3.7Kg , empty weight 1.7 Kg, discharge time minimum 8 secs,	Supply and fixing of ISI mark (IS:15683) Clean Agent HCFC 123, 2 Kg Fire exitinguisher , Stored pres
950.00	Supply and run of 2 of 22/0.3mm (1.5 Sq.mm) F.R P.V.C. insulated flexible copper cable in existing pipe for mains inlcuding all labour charges etc., complete.	Supply and run of 2 of 22/0.3mm (1.5 Sq.mm) F.R P.V.C. insulated flexible copper cable in existing pipe for mains inlcuding all labour charges etc., complete.	Supply and run of 2 of 22/0.3mm (1.5 Sq.mm) F.R P.V.C. insulated flexible copper cable in existing p
2	Supply & Installation Corporate Interactive Flat Panel Screen Size 55" with Following Specifications Resolution UDH 3840x2160 pixels ,Response Time (ms) 8ms ,Anti-Glare (AG) Coating 4mm, Tempered Glass, Numbers of Touch Up to 10 Point Multi-touch, Resolution 32767X32767, OS Supported Windows 7/8/10/WinCE/Vista Linux/Mac/Android/Chrome, Internal Speaker 10Wx2 Connectivity HDMI Input & output . as per required , directions of engineer-in-charge Make: Samsung Sony Or equivalent.)	Supply & Installation Corporate Interactive Flat Panel Screen Size 55" with Following Specifications Resolution UDH 3840x2160 pixels ,Response Time (ms) 8ms ,Anti-Glare (AG) Coating 4mm, Tempered Gl	Supply & Installation Corporate Interactive Flat Panel Screen Size 55" with Following Specificatio

4.00	SITC of Detachable 2-in-1 Laptop/ Tablet with the following specifications – 7th Intel Core i5-6100U Processor (2.30GHz 1866MHz 3MB) OS: Windows 10, 64 Up to Intel HD 520 graphics card 8GB RAM 1 TB Storage Integrated Dolby audio speakers 12.2” multi touch LED display (1920 x 1200) 802.11 Wi-fi Bluetooth 4.0 4 Ports -USB 3.0 Type C, USB 3.0, Micro Sim, Audio jack,etc. as per required Make: (Lenovo, HP,Dell)	SITC of Detachable 2-in-1 Laptop/ Tablet with the following specifications – 7th Intel Core i5-6100U Processor (2.30GHz 1866MHz 3MB) OS: Windows 10, 64 Up to Intel HD 520 graphics card 8GB RAM 1 T	SITC of Detachable 2-in-1 Laptop/ Tablet with the following specifications – 7th Intel Core i5-6100U
3.00	Supply & Installation of branded PC with Following Specifications i. Intel Core i-7, 6th Generation ii . 8 GB DDR 4 RAM iii. Compatible mother board with Wi-Fi iv. NVEDIA/ ATI graphics card with minimum 4 GB DDR5 VRAM. v. 1TB Hard Disk v. Windows 10 OS with Licensed	Supply & Installation of branded PC with Following Specifications i. Intel Core i-7, 6th Generation ii . 8 GB DDR 4 RAM	Supply & Installation of branded PC with Following Specifications i. Intel Core i-7, 6th Generation
4.00	Cost for content & Software development and programming for Digital Display Panel as per direction of consultant / engineer incharge	Cost for content & Software development and programming for Digital Display Panel as per direction of consultant / engineer incharge	Cost for content & Software development and programming for Digital Display Panel as per direction
8.00	Supply & Installation LED Display T.V Size 50 inch with Following Specifications Resolution Full HD (1980 x 1080)16:9, Response Time: 8ms (G-to-G)Connectivity 2.0 USB ports, HDMI 2.0, ports , in built (10w+10 w) Speaker ,Internal Player, Processor-Cortex-A9 1GHz Quad Core CPU, etc. as per required directions of engineer-in-charge Make: Samsung ,Sony, LG Or equivalent.)	Supply & Installation LED Display T.V Size 50 inch with Following Specifications Resolution Full HD (1980 x 1080)16:9, Response Time: 8ms (G-to-G)Connectivity 2.0 USB ports, HDMI 2.0, ports ,	Supply & Installation LED Display T.V Size 50 inch with Following Specifications Resolution Full H

1.00	<p>Supply & Installation XJ-F210WN Projector 3500 ANSI lumen brightness utilizing a 1.5x manual zoom lens. Inbuild 16W Monaural Speaker & wi-Fi with 3 Year Waaeanty with Following Specifications Resolution WXGA 1280x800, Contrast Ratio 20000:1 Lens type 1.5x manual zoom & focus Projection Screen Size (Min-Max) 35 to 300-inch diagonal erating 190 W light control "off" Bright selected 155 W light control "on" and "Light Output 7" Selected Connectivity HDMI Type A x 1, HDCP and audio support ,.5 mm Mini - Stereo, Variable Audio, DTV/HDTV 480i/480p/576i/576p/720p/1080i/1080p Maximum Computer Input WUXGA (1920 x 1200) *Reduced blanking signal, Long Life, 20,000 hour estimated operating life Make : Casio , BenQ, Epson Or equivalent.)</p>	<p>Supply & Installation XJ-F210WN Projector 3500 ANSI lumen brightness utilizing a 1.5x manual zoom lens. Inbuild 16W Monaural Speaker & wi-Fi with 3 Year Waaeanty with Following Specifications Resol</p>	<p>Supply & Installation XJ-F210WN Projector 3500 ANSI lumen brightness utilizing a 1.5x manual zoom l</p>
2.00	<p>SITC of P C with the following specifications – 7th Intel Core i7-7567U Processor intel NUC (4.00 GHz) OS: Windows 10, 64, Up to Intel HD 520 graphics card 16GB DDR 4 RAM 1 TB Storage Integrated Dolby audio speakers 12.2" multi touch LED display (1920 x 1200) 802.11 Wifi Bluetooth 4.0 , 4 Ports -USB 3.0 Type C, USB 3.0, Micro Sim, Audio jack,etc. as per required Make: (Samsung , Lenovo, HP,Dell)"</p>	<p>SITC of P C with the following specifications – 7th Intel Core i7-7567U Processor intel NUC (4.00 GHz) OS: Windows 10, 64, Up to Intel HD 520 graphics card 16GB DDR 4 RAM 1 TB Storage Integrated</p>	<p>SITC of P C with the following specifications – 7th Intel Core i7-7567U Processor intel NUC (4.00</p>
25.35	<p>Display cabinet- Pedestals Cabinet Providing & making of 50x50 mm First class teak wood member Section inner support, clading of 18 mm Ply finished with 6 mm Corian on all Side . Item to incude all necessary groves, tools ,hardware complete as per design, drawing and as directed by engineer incharge Mode of Measurement item to be paid as per the Lenght x Breadth x Height of the finished pedestal (BWP Ply : century, greenply & Merino make)</p>	<p>Display cabinet- Pedestals Cabinet Providing & making of 50x50 mm First class teak wood member Section inner support, clading of 18 mm Ply finished with 6 mm Corian on all Side . Item to incude all</p>	<p>Display cabinet- Pedestals Cabinet Providing & making of 50x50 mm First class teak wood member Sec</p>

11.86	<p>Display cabinet- Corner Display 1 Providing & fixing display cabinet 900mm deep to be made using 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish on outside and 1 mm thickness Lamination inside .Front glass to be extra clear (5+5+1.5)11.5 mm thick laminated toughened. Glass to be fixed with 25x100 bottom & 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment & 4 mm Forsted acrylic sheet as per suitable size complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by engineer incharge Cabinet Depth 900, & Height 2000 (BWP Ply & Laminate : century, greenply & Merino make) (Toughened Glass : Atul, saint gobain & Modiguard make) (Corian dupont montelli make) Cabinet Front area Measured</p>	<p>Display cabinet- Corner Display 1 Providing & fixing display cabinet 900mm deep to be made using 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish on outside an</p>	<p>Display cabinet- Corner Display 1 Providing & fixing display cabinet 900mm deep to be made using 32</p>
9.00	<p>Display cabinet- Type-1 Providing & fixing display cabinet 600 mm deep to be made using 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish outside and 1 mm thickness Lamination inside . Front glass to be extra clear (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 25x100 bottom & 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment & 4 mm Forsted acrylic sheet as per suitable size complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by engineer incharge Cabinet Depth 900 & Height 2000 (BWP Ply & Laminate : century, greenply & Merino make) (Toughened Glass : Atul, saint gobain & Modiguard make) (Corian dupont montelli make)</p>	<p>Display cabinet- Type-1 Providing & fixing display cabinet 600 mm deep to be made using 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish outside and 1 mm thickne</p>	<p>Display cabinet- Type-1 Providing & fixing display cabinet 600 mm deep to be made using 32 mm Comme</p>

2.00	<p>Display cabinet- Type-2 Providing & fixing display cabinet 450mm deep to be made useing 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish on outside and 1 mm thickness Lamination inside .Front glass to be extra clear (5+5+1.5)11.5 mm thick lamineted toughened . Glass to be fixed with 25x100 bottom & 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment & 4 mm Forsted acrlc sheet as per suitable size complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by engineer incharge Cabinet Depth 450 & Height 2000 Width 2500 mm (BWP Ply & Laminate : century, greenply & Merino make) (Toughened Glass : Atul, saint gobain & Modiguard make) (Corian dupont montelli make)</p>	<p>Display cabinet- Type-2 Providing & fixing display cabinet 450mm deep to be made useing 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish on outside and 1 mm thic</p>	<p>Display cabinet- Type-2 Providing & fixing display cabinet 450mm deep to be made using 32 mm Commer</p>
30.64	<p>Display cabinet- Coin Cabinet Providing & fixing display cabinet 400mm deep to be made useing 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish outside and 1 mm thickness Lamination inside .Front glass to be extra clear (5+5+1.5)11.5 mm thick lamineted toughened . Glass to be fixed with 25x100 bottom & 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment & 4 mm Forsted acrlc sheet as per suitable size complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by engineer incharge Cabinet Depth 400 & Height 2000 (BWP Ply & Laminate : century, greenply & Merino make) (Toughened Glass : Atul, saint gobain & Modiguard make) (Corian dupont montelli make) Cabinet Front area Measured</p>	<p>Display cabinet- Coin Cabinet Providing & fixing display cabinet 400mm deep to be made useing 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish outside and 1 m</p>	<p>Display cabinet- Coin Cabinet Providing & fixing display cabinet 400mm deep to be made using 32 mm</p>

2.00	<p>Display cabinet- Type-3 Providing & fixing display cabinet to be made using 32 mm Commercial Plywood Top and all side 18 mm Ply finished with 6 mm Corian finish on outside Height up to 750mm .All four side and top glass (Height 750 mm)to be extra clear 6 mm thick toughened. Glass to be fixed with 25x100 First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by engineer incharge.Overall size of cabinet is 3000x1000x1500mm (BWP Ply & Laminate : century, greenply & Merino make) (Toughened Glass : Atul, saint gobain & Modiguard make) (Corian dupont montelli make)</p>	<p>Display cabinet- Type-3 Providing & fixing display cabinet to be made useing 32 mm Commercial Plywood Top and all side 18 mm Ply finished with 6 mm Corian finish on outside Height up to 750mm .All</p>	<p>Display cabinet- Type-3 Providing & fixing display cabinet to be made useing 32 mm Commercial Plyw</p>
2.00	<p>Display cabinet- Textile Display Cabinet Providing & fixing display cabinet 450mm deep to be made using 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish on outsideand 1 mm thickness Lamination inside .Front glass(Height 1530mm) to be extra clear (5+5+1.5)11.5 mm thick lamineted toughened . Glass to be fixed with 25x100 bottom & 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment & 4 mm Forsted acrlc sheet & 20 mm Dia Metel Road as per suitable size complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by engineer incharge Cabinet Depth 450mm , Width 2500mm & Height 2000 mm(BWP Ply & Laminate : century, greenply & Merino make) (Toughened Glass : Atul, saint gobain & Modiguard make) (Corian dupont montelli make)</p>	<p>Display cabinet- Textile Display Cabinet Providing & fixing display cabinet 450mm deep to be made useing 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish on out</p>	<p>Display cabinet- Textile Display Cabinet Providing & fixing display cabinet 450mm deep to be made us</p>

1.00	<p>Display cabinet- Type-4 L Shape Providing & fixing display cabinet to be made using 32 mm Commercial Plywood Top & Bottom and all side 18 mm Ply finished with 6 mm Corian finish on outside Height up to 750mm and 1 mm thickness Lamination inside .All four side and top glass (Height 750 mm)to be extra clear (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 25x100 First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by engineer incharge. Overall size of cabinet is one leg size3600x450x1500mm & other size 2650x450x1500mm (BWP Ply & Laminate : century, greenply & Merino make) (Toughened Glass : Atul, saint gobain & Modiguard make) (Corian dupont montelli make)</p>	<p>Display cabinet- Type-4 L Shape Providing & fixing display cabinet to be made using 32 mm Commercial Plywood Top & Bottom and all side 18 mm Ply finished with 6 mm Corian finish on outside Heigh</p>	<p>Display cabinet- Type-4 L Shape Providing & fixing display cabinet to be made using 32 mm Commerci</p>
8.00	<p>Display cabinet- Type-5 Providing & fixing display cabinet 750 mm deep to be made useing 32 mm Commercial Plywood Back and all side 18 mm Ply finished with 6 mm Corian finish on outside and 1 mm thickness Lamination inside .Front glass to be extra clear (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 25x100 bottom & 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment & 4 mm Forsted acrlc sheet as per suitable size complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by engineer incharge Cabinet Depth 750, Width 3500 & Height 2000 (BWP Ply & Laminate : century, greenply & Merino make) (Toughened Glass : Atul, saint gobain & Modiguard make) (Corian dupont montelli make)</p>	<p>Display cabinet- Type-5 Providing & fixing display cabinet 750 mm deep to be made useing 32 mm Commercial Plywood Back and all side 18 mm Ply finished with 6 mm Corian finish on outside and 1 mm th</p>	<p>Display cabinet- Type-5 Providing & fixing display cabinet 750 mm deep to be made useing 32 mm Comme</p>

4.00	<p>Display cabinet- Type-6 Providing & fixing display cabinet 670 mm deep to be made useing 18 mm Ply finished with 6 mm Corian finish on outside & Top except back and 1mm thick laminate inside Top .Front Side Hight 750mm & Back Side Height 900. Top glass (size 2240x540mm)to be extra clear 6 mm thick toughened. Glass to be fixed with 25x100 bottom & 25x140 mm thick top First class teak wood member finished including required Ghana teak wood mounding, beading including antitermite treatment complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by engineer incharge Cabinet Depth 750, Width 2400 & Height900 (BWP Ply & Laminate : century, greenply & Merino make) (Toughened Glass : Atul, saint gobain & Modiguard make)</p>	<p>Display cabinet- Type-6 Providing & fixing display cabinet 670 mm deep to be made useing 18 mm Ply finished with 6 mm Corian finish on outside & Top except back and 1mm thick laminate inside Top .F</p>	<p>Display cabinet- Type-6 Providing & fixing display cabinet 670 mm deep to be made using 18 mm Ply</p>
10.00	<p>Display cabinet- Touch Screen Cabinet Providing & fixing display cabinet 670 mm deep to be made useing 18 mm Ply finished with 6 mm Corian finish on outside & Top except back and 1mm thick laminate inside Top .Front Side Hight 750mm & Back Side Height 900. Top Side Openable for touch screen. 40x40mm Ghana teak wood mounding, beading including antitermite treatment complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by engineer incharge Cabinet Depth 750, Width 1440 & Height900 (BWP Ply & Laminate : century, greenply & Merino make) (Toughened Glass : Atul, saint gobain & Modiguard make)</p>	<p>Display cabinet- Touch Screen Cabinet Providing & fixing display cabinet 670 mm deep to be made useing 18 mm Ply finished with 6 mm Corian finish on outside & Top except back and 1mm thick laminate</p>	<p>Display cabinet- Touch Screen Cabinet Providing & fixing display cabinet 670 mm deep to be made usei</p>
10.00	<p>Display cabinet- Providing & Fixing of Small Pedestal made of 19 mm Bwr Grade Block Board finished with 6 mm Corian on all Side . Item to incude all necessary groves, tools ,hardware complete as per design, drawing and as directed by engineer incharge Mode of Measurement item to be paid as per the Lenght x Breadth x Height of the finished pedestal (BWP Ply : century, greenply & Merino make) (Corian dupont montelli make)</p>	<p>Display cabinet- Providing & Fixing of Small Pedestal made of 19 mm Bwr Grade Block Board finished with 6 mm Corian on all Side . Item to incude all necessary groves, tools ,hardware complete as</p>	<p>Display cabinet- Providing & Fixing of Small Pedestal made of 19 mm Bwr Grade Block Board finish</p>

130.00	Providing & Fixing of Painting backing made of 12 mm thick BWP ply fixed on wall with wall fasner & wooden gitti finish with 1 mm thick Laminate as per suitable size complete with required hardware, complete as per design, drawing and as directed by engineer incharge	Providing & Fixing of Painting backing made of 12 mm thick BWP ply fixed on wall with wall fasner & wooden gitti finish with 1 mm thick Laminate as per suitable size complete with required hardwar	Providing & Fixing of Painting backing made of 12 mm thick BWP ply fixed on wall with wall fasner &
3.00	P& F Museum directional & Location Signage , Sheet on 3mm thick S-304 grade stainless steel sheet, with laser cut alphabets and 10 mm acrylic sheet of approved colour & 25 mm thick wooden board behind as per International standard graphic signage Mounted on walls using 12 mm dia Stainless Steel studs complete as per drawing & design and direction of Engineer- in - charge. Size	P& F Museum directional & Location Signage , Sheet on 3mm thick S-304 grade stainless steel sheet, with laser cut alphabets and 10 mm acrylic sheet of approved colour & 25 mm thick wooden board behi	P& F Museum directional & Location Signage , Sheet on 3mm thick S-304 grade stainless steel sheet,
3.00	P& F Museum Gallery Signage stainless steel latters. all letters should have minimum of 150 mm height and should be desinged proportinately according to the singnage size (mm)as per approved . background of minimum 3mm thick S-304 grade stainless steel sheet with Embossed Stainless steel letters. as per International standard graphic signage Mounted on walls using 25 mm dia Stainless Steel studs & 12 mm Plywood board complete as per drawing & design and direction of Engineer- in - charge.	P& F Museum Gallery Signage stainless steel latters. all letters should have minimum of 150 mm height and should be desinged proportinately according to the singnage size (mm)as per approved . back	P& F Museum Gallery Signage stainless steel latters. all letters should have minimum of 150 mm he
4.00	P& F Signage vinyle printed in on 10mm thick acrylic sheet,size 1000x375 mm no. 4 as per International standard signage graphic, fixed of minimum 3mm thick S-304 grade stainless steel sheel. Mounted on 125 mm dia M.S B Class Hollow Pipe with M,s bracket welded with m.s pipe Height 1500 mm height ground 300 mm in floor M.S pipe finish with Enamle paint complete as per drawing & design and direction of Engineer- in - charge.	P& F Signage vinyle printed in on 10mm thick acrylic sheet,size 1000x375 mm no. 4 as per International standard signage graphic, fixed of minimum 3mm thick S-304 grade stainless steel sheel. Mounte	P& F Signage vinyle printed in on 10mm thick acrylic sheet,size 1000x375 mm no. 4 as per Internati

7.00	P& F Emergency Signage vinyle printed in on 10mm thick acrylic sheet, as per International standard signage graphic, mounted on Stainless Steel Frame of Hollow Pipe section of height 900mm & 50 mm dia circular Stainless Steel base using steel frames of complete as per drawing & design and direction of Engineer- in - charge.	P& F Emergency Signage vinyle printed in on 10mm thick acrylic sheet, as per International standard signage graphic, mounted on Stainless Steel Frame of Hollow Pipe section of height 900mm & 50 mm	P& F Emergency Signage vinyle printed in on 10mm thick acrylic sheet, as per International standa
75.00	P& F Laser printed on Canavas , complete as per drawing & design and direction of Engineer- in - charge.	P& F Laser printed on Canavas , complete as per drawing & design and direction of Engineer- in - charge.	P& F Laser printed on Canavas , complete as per drawing & design and direction of Engineer- in - charge.
60.00	P& F of Signage, Digital printed on 3M make vinyle and laminated in matt finish. print laminate/ Glass as per International standard graphic signage Mounted on walls with 3m double sided tape complete as per drawing & design and direction of Engineer- in - charge.	P& F of Signage, Digital printed on 3M make vinyle and laminated in matt finish. print laminate/ Glass as per International standard graphic signage Mounted on walls with 3m double sided tape c	P& F of Signage, Digital printed on 3M make vinyle and laminated in matt finish. print laminate/
40.00	P& F of Signage, Digital printed on 3M make vinyle in matt finish. Post on walls 12 mm plywood panel with emulsion paint ply fixed with wooden wall fastener complete as per drawing & design and direction of Engineer- in - charge.	P& F of Signage, Digital printed on 3M make vinyle in matt finish. Post on walls 12 mm plywood panel with emulsion paint ply fixed with wooden wall fastener complete as per drawing & design a	P& F of Signage, Digital printed on 3M make vinyle in matt finish. Post on walls 12 mm plywoo
25.00	Providing and fixing Sunboard laminated signage panels of necessary size and design as per drawings provided or as directed by the Architect. Signage of approved design to be printed on the sunboard panel and the same to be fixed as per necessary fixing details as directed by the Architect or any other method required. Item to include providing necessary samples of sunboard signage for necessary approvals from the Architect before printing, procuring and fixing the same on site.	Providing and fixing Sunboard laminated signage panels of necessary size and design as per drawings provided or as directed by the Architect. Signage of approved design to be printed on the sunboard p	Providing and fixing Sunboard laminated signage panels of necessary size and design as per drawings

3140.00	Supplying lawn with carpet grass,6" base of gravel and maintenance for two months etc., complete as directed by the department including cost of materials and labour charges etc.,	Supplying lawn with carpet grass,6" base of gravel and maintenance for two months etc., complete as directed by the department including cost of materials and labour charges etc.,	Supplying lawn with carpet grass,6" base of gravel and maintenance for two months etc., complete as
18.00	Display cabinet- Dairoma Cabinet Providing & fixing display cabinet 2400 mm deep to be made using 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish on Front Side and enamel Paint Panting inside .Cabinete base made Fabricating MS Section inner support to with stand weight of 1,000 k.g made from 50x50 mm angle / box M.S. section and 12 mm MS plate and screwed and welded, clading of 18 mm ply on inside top .M.S. Member to be coated with zinc oxide and painted black with epoxy paint .Front glass (2300mm) to be extra clear (5+5+1.5)11.5 mm thick laminated toughened. Glass to be fixed with 25x100 bottom & 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, including antitermite treatment complete with required hardware. complete as per design, drawing and as directed by engineer incharge Cabinet Depth 2400, & Height 3000 (BWP Ply & Laminate : century, greenply & Merino make) (Toughened Glass : Atul, saint gobain & Modiguard make) (Corian dupont montelli make) Cabinet Front area Measured	Display cabinet- Dairoma Cabinet Providing & fixing display cabinet 2400 mm deep to be made using 32 mm Commercial Plywood back and all side 18 mm Ply finished with 6 mm Corian finish on Front Sid	Display cabinet- Dairoma Cabinet Providing & fixing display cabinet 2400 mm deep to be made using
0.00	Providing & installing Hyper Realistic Life Size Mannequins as per Photos Provided by Consultant Having Exposed parts made out platinum silicone (od thickness not less than 2 mm at any point) and unexposed parts of fiber glass. The facial, nose ears e.t.c. shall be made completely of Platinum Silicone. The mannequins should be finished with hair grafting, platinum silicone paints and apparels as per design. The work includes complete installation of the mannequins as per direction of Engineer-in charge	Providing & installing Hyper Realistic Life Size Mannequins as per Photos Provided by Consultant Having Exposed parts made out platinum silicone (od thickness not less than 2 mm at any point) and unex	Providing & installing Hyper Realistic Life Size Mannequins as per Photos Provided by Consultant Hav

2.00	Providing & installing Hyper Realistic Life Size Mannequins as per Photos Provided by Consultant Having Exposed parts made out platinum silicone (od thickness not less than 2 mm at any point) and unexposed parts of fiber glass. The facial, nose ears e.t.c. shall be made completely of Platinum Silicone. The mannequins should be finished with hair grafting, platinum silicone paints and apparels as per design. The work includes complete installation of the mannequins as per direction of Engineer-in-charge	Providing & installing Hyper Realistic Life Size Mannequins as per Photos Provided by Consultant Having Exposed parts made out platinum silicone (od thickness not less than 2 mm at any point) and unex	Providing & installing Hyper Realistic Life Size Mannequins as per Photos Provided by Consultant Hav
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2.00	Providing & fixing of 3-D Life size fibber glass model of Animal, Bird, Insect model - Musk deer, Blue Sheep, H. Tahr, etc. ii) Realistic colour painting on 3-D model iii) With natural habitat platform iv) Diorama focus lighting v) Artificial fiber glass cave, tree, leaves, grass, and wild flower with habitat The work includes complete installation of the Models as per direction of Engineer-in charge Diorama size: Approximate size: Length 3000mm Depth 2400mm Height 2400	Providing & fixing of 3-D Life size fibber glass model of Animal, Bird, Insect model - Musk deer, Blue Sheep, H. Tahr, etc. ii) Realistic colour painting on 3-D model iii) With natural habitat pl	Providing & fixing of 3-D Life size fibber glass model of Animal, Bird, Insect model - Musk deer, B
1584.00	Providing Internal Roads with interlocking tiles	Providing Internal Roads with interlocking tiles	Providing Internal Roads with interlocking tiles