

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)	APSS / Morth Cl. Number ( upto 200 Characters)	Rate (INR) ( Upto 2 Decimals )	UOM ( upto 50 Characters)	Amount (INR) ( Upto 2 Decimals )
	<b>Civil work</b>						
1100.00	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	N.A.	340.00	Sqm.	374000.00
40.00	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	N.A.	2077.00	Sqm.	83080.00
30.00	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	N.A.	4000.00	Each	120000.00
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	N.A.	4973.00	sqm	42569.00
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 commissioning 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 commissioning of	Supplying and fixing of Automatic Sensor operated Openable glass Door (With remote control) at the e	N.A.	55094.00	Sqm	799414.00
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 finished item of	Supply and Fixing of 12 mm thcik toughened glass including cost and conveyance of all materials and	N.A.	2841.51	Each	110478.00

4.00	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 work.	Supplying and fixing Godrej Store wels of size 12 'x10' including cost and conveyance of all materil	N.A.	397653.00	Each	1590612.00
937.50	Supplying lawn with carpet grass,6" base of gravel and maintinence 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 maintinence for two months etc., complete as directed by the department including cost of materials and	Supplying lawn with carpet grass,6" base of gravel and maintinence for two months etc., complete as	N.A.	938.00	sqm	879375.00
1100.00	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.	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	Supplying and fixing Gyp Board Fine Line Grid false ceiling (GS-FLC-4.6 as per India Gypsum) in size	N.A.	1476.00	Sqm	1623600.00
100.00	Supply, installation, testing and commissioning of HVAC unit including all materials and labour charges for complete item of work.	Supply, installation, testing and commissioning of HVAC unit including all materials and labour charges for complete item of work.	Supply, installation, testing and commissioning of HVAC unit including all materials and labour ch	N.A.	60000.00	Ton	6000000.00
	<b>Electrical Work (DG Set, Wiring, Swich,&amp; DB)</b>						
1.00	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.	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	Providing, installation, testing and commissioning of UPS,24.0 K watts/ 30.0 Kva output voltage 400	N.A.	415000.00	Each	415000.00

	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 set	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	SITC of Silent DG Set (As per CPCB norms) complete with 1500 RPM Diesel Engine of suitable BHP & AC				
1.00	against 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-ø	against 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	against temperature of more than 50 degree centigrade. All controls for operation of DG set are from	N.A.	2800000.00	Each	2800000.00
1.00	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	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	SITC of Auto main failure (AMF) Panel fabricated from CRCA sheet steel 2 mmThick , Powder coated fin	N.A.	281250.00	Each	281250.00

1.00	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	N.A.	330000.00	Each	330000.00
	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				
120.00	Short point (up to 3 Mtr.), Gr.I	Short point (up to 3 Mtr.), Gr.I	Short point (up to 3 Mtr.), Gr.I	N.A.	260.00	P. Point.	31200.00
80.00	Medium point (up to 6 Mtr.), Gr.I	Medium point (up to 6 Mtr.), Gr.I	Medium point (up to 6 Mtr.), Gr.I	N.A.	377.00	P. Point.	30160.00
60.00	Long point (up to 10 Mtr.), Gr.I	Long point (up to 10 Mtr.), Gr.I	Long point (up to 10 Mtr.), Gr.I	N.A.	508.00	P. Point.	30480.00
	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 tiles, 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				
20.00	Medium point (up to 6 Mtr.)	Medium point (up to 6 Mtr.)	Medium point (up to 6 Mtr.)	N.A.	381.00	P. Point.	7620.00

	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 & its 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				
40.00	On board, Gr.I	On board, Gr.I	On board, Gr.I	N.A.	244.00	P. Point.	9760.00
50.00	Short point (up to 3 mtr.)	Short point (up to 3 mtr.)	Short point (up to 3 mtr.)	N.A.	399.00	P. Point.	19950.00
60.00	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	N.A.	538.00	Each	32280.00
	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				
8.00	Single / Double Pole (Three pin) 32 A	Single / Double Pole (Three pin) 32 A	Single / Double Pole (Three pin) 32 A	N.A.	850.00	Each	6800.00
	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	P & F 18 SWG Sheet steel boxes duly finished with two coats of red oxide and with earthing terminal				
40.00	100mm x 100mm x 60mm	100mm x 100mm x 60mm	100mm x 100mm x 60mm	N.A.	45.00	Each	1800.00
30.00	175mm x 100mm x 60mm	175mm x 100mm x 60mm	175mm x 100mm x 60mm	N.A.	57.00	Each	1710.00
30.00	200mm x 125mm x 75mm	200mm x 125mm x 75mm	200mm x 125mm x 75mm	N.A.	88.00	Each	2640.00
30.00	300mm x 300mm x 75mm	300mm x 300mm x 75mm	300mm x 300mm x 75mm	N.A.	154.00	Each	4620.00
	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	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface /				
650.00	20 mm, Gr.I	20 mm, Gr.I	20 mm, Gr.I	N.A.	32.00	Mtr	20800.00
400.00	25 mm, Gr.I	25 mm, Gr.I	25 mm, Gr.I	N.A.	42.00	Mtr	16800.00
100.00	32 mm, Gr.I	32 mm, Gr.I	32 mm, Gr.I	N.A.	65.00	Mtr	6500.00
	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				
2500.00	2 x 1.5 sq.mm Gr.I	2 x 1.5 sq.mm Gr.I	2 x 1.5 sq.mm Gr.I	N.A.	26.00	Mtr	65000.00
800.00	2 x 2.5 sq.mm, Gr.I	2 x 2.5 sq.mm, Gr.I	2 x 2.5 sq.mm, Gr.I	N.A.	41.00	Mtr	32800.00
849.00	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	N.A.	53.00	Mtr	44997.00
630.00	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	N.A.	77.00	Mtr	48510.00

300.00	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	N.A.	109.00	Mtr	32700.00
	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				
80.00	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	N.A.	151.00	Each	12080.00
15.00	Double pole MCB, 40 A 63 A rating	Double pole MCB, 40 A 63 A rating	Double pole MCB, 40 A 63 A rating	N.A.	689.00	Each	10335.00
8.00	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	N.A.	1321.00	Each	10568.00
	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				
15.00	Double door (single phase), 8 Way, Gr.I	Double door (single phase), 8 Way, Gr.I	Double door (single phase), 8 Way, Gr.I	N.A.	897.00	Each	13455.00
5.00	Double door (Three phase),8 Way	Double door (Three phase),8 Way	Double door (Three phase),8 Way	N.A.	2480.00	Each	12400.00
	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				
6.00	8 Way, Gr.I	8 Way, Gr.I	8 Way, Gr.I	N.A.	5770.00	Each	34620.00
	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,11nd 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				
220.00	4 C x 6 Sqm.	4 C x 6 Sqm.	4 C x 6 Sqm.	N.A.	146.00	Mtr.	32120.00
300.00	4 C x 10 Sqm.	4 C x 10 Sqm.	4 C x 10 Sqm.	N.A.	170.00	Mtr.	51000.00
200.00	4 C x 25 Sqm.	4 C x 25 Sqm.	4 C x 25 Sqm.	N.A.	186.00	Mtr.	37200.00
200.00	4 C x 35 Sqm.	4 C x 35 Sqm.	4 C x 35 Sqm.	N.A.	252.00	Mtr.	50400.00
350.00	3.5C x 50 Sqm.	3.5C x 50 Sqm.	3.5C x 50 Sqm.	N.A.	299.00	Mtr.	104650.00

	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, II nd 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				
60.00	4 C x 25 Sqm.	4 C x 25 Sqm.	4 C x 25 Sqm.	N.A.	1152.00	Mtr.	69120.00
80.00	3C X 2.5 Sq mm	3C X 2.5 Sq mm	3C X 2.5 Sq mm	N.A.	173.00	Mtr.	13840.00
	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				
20.00	4 x 10.0 sq.mm	4 x 10.0 sq.mm	4 x 10.0 sq.mm	N.A.	75.00	Set	1500.00
12.00	4 x 25.0 sq.mm	4 x 25.0 sq.mm	4 x 25.0 sq.mm	N.A.	154.00	Set	1848.00
5.00	3.5 x 50.0 sq.mm	3.5 x 50.0 sq.mm	3.5 x 50.0 sq.mm	N.A.	167.00	Set	835.00
	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,				
12.00	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	N.A.	6341.00	Each	76092.00
2.00	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	N.A.	9005.00	Each	18010.00
2.00	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	N.A.	18989.00	Each	37978.00

15.00	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	N.A.	2752.00	Sqm	41280.00
10.00	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	N.A.	675.00	Kg.	6750.00
1.00	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	N.A.	1100.00	Each	1100.00
1.00	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	N.A.	1100.00	Each	1100.00
6.00	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.	N.A.	398.00	Each	2388.00
2.00	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	N.A.	286.00	Each	572.00
6.00	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	N.A.	150.00	Each	900.00



2.00	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:947-4-1	N.A.	8576.00	Each	17152.00
2.00	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	N.A.	5746.00	Each	11492.00
6.00	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	N.A.	9200.00	Set	55200.00
60.00	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	N.A.	488.00	Mtr.	29280.00
	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				
30.00	20 mm dia.	20 mm dia.	20 mm dia.	N.A.	146.00	Mtr.	4380.00
40.00	50 mm dia.	50 mm dia.	50 mm dia.	N.A.	358.00	Mtr.	14320.00
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	N.A.	1856.00	Each	11136.00
16.00	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	N.A.	9264.00	Each	148224.00

30.00	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	N.A.	1250.00	Each	37500.00
<b>Fire Fighting System</b>							
1.00	SITC of microprocessor based loop UL/ EN54 Addressable Fire Alarm Control Panel as per NFPA 72 approval. The Panel shall be able to give pin point location of addressable units via the address code for each unit. The Panel shall also be able to automatically switch off all control switches when-ever any Alarm is triggered. . The Panel shall have built in buzzer, SMF batteries for min. 24 Hrs.back up, battery charger, rectifier. Loop interface cards, communication module, LCD unit to indicate Fire / Fault Signal of individual unit, option for external printer, to log all incoming data etc complete in all respect. 1 - Loop	SITC of microprocessor based loop UL/ EN54 Addressable Fire Alarm Control Panel as per NFPA 72 approval. The Panel shall be able to give pin point location of addressable units via the address code	SITC of microprocessor based loop UL/ EN54 Addressable Fire Alarm Control Panel as per NFPA 72 ap	N.A.	178000.00	Each	178000.00
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	N.A.	48790.00	Each	48790.00
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 Al	N.A.	4500.00	Each	4500.00
20.00	SITC of Addressable analogue multicriteria type smoke detectors with dual chamber, solid state design, indicating LED, mounting base etc. as per detailed specification. The rate shall inclusive of necessary base box, connecting glad for above detectors etc. as required.	SITC of Addressable analogue multicriteria type smoke detectors with dual chamber, solid state design, indicating LED, mounting base etc. as per detailed specification. The rate shall inclusive of ne	SITC of Addressable analogue multicriteria type smoke detectors with dual chamber, solid state desi	N.A.	4500.00	Each	90000.00
4.00	SITC of conventional type Manual call point complete with Glass, hammer and chain etc. as required.	SITC of conventional type Manual call point complete with Glass, hammer and chain etc. as required.	SITC of conventional type Manual call point complete with Glass, hammer and chain etc. as required.	N.A.	650.00	Each	2600.00
5.00	SITC of Response Indicator for addressable type detectors as required	SITC of Response Indicator for addressable type detectors as required	SITC of Response Indicator for addressable type detectors as required	N.A.	250.00	Each	1250.00
4.00	SITC of Hooter suitable for addressable type fire alarm system with storb light with minimum 85 db audible etc. as required.	SITC of Hooter suitable for addressable type fire alarm system with storb light with minimum 85 db audible etc. as required.	SITC of Hooter suitable for addressable type fire alarm system with storb light with minimum 85 db	N.A.	6350.00	Each	25400.00

4.00	Providing & making heat shrinkable type indoor/outdoor/straight through terminations/joint kit of Group1 and approved make suitable for XLPE insulated 11 KV / 33 KV cable, with required components, preparation of cable ends,testing etc. as required of following sizes . 3 core 70/95 Sq.mm	Providing & making heat shrinkable type indoor/outdoor/straight through terminations/joint kit of Group1 and approved make suitable for XLPE insulated 11 KV / 33 KV cable, with required components, pr	Providing & making heat shrinkable type indoor/outdoor/straight through terminations/joint kit of Gr	N.A.	4500.00	Set	18000.00
50.00	Supply & Fixing ISI marked ( IS : 15683 ) Portable fire Extinguisher, Carbon-dioxide type flat base including valve, discharge hose of not less than 10 mm dia. min. 600 mm long & complete in all respects including initial fill with C02 gas confirming to IS:307-1966 filled to a filling ratio of not more than 0.667and wall suspension bracket. Capacity 4.5 Kg.	Supply & Fixing ISI marked ( IS : 15683 ) Portable fire Extinguisher, Carbon-dioxide type flat base including valve, discharge hose of not less than 10 mm dia. min. 600 mm long & complete in all	Supply & Fixing ISI marked ( IS : 15683 ) Portable fire Extinguisher, Carbon-dioxide type flat bas	N.A.	3200.00	Each	160000.00
40.00	Supply & Fixing ISI marked ( IS : 15683 ) Portable Fire Extinguisher, ABC type,finished externally with red enamel paint, complete in all respects including initial fill and wall suspension of following capacity. 4 kg	Supply & Fixing ISI marked ( IS : 15683 ) Portable Fire Extinguisher, ABC type,finished externally with red enamel paint, complete in all respects including initial fill and wall suspension of fo	Supply & Fixing ISI marked ( IS : 15683 ) Portable Fire Extinguisher, ABC type,finished external	N.A.	4750.00	Each	190000.00
<b>Display &amp; General Lighting</b>							
160.00	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	N.A.	10100.00	Each	1616000.00
180.00	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	N.A.	3500.00	Mtr	630000.00
40.00	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	N.A.	24000.00	Each	960000.00

60.00	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. <b>18 W</b>	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	Supply and Transportation of ..... heavy duty LED Down lighter, suitable for Recessed mounting	N.A.	1652.00	Each	99120.00
70.00	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	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	SITC of Linear Lighting segment (LED source) to be installed easily with magnetic mounting system fi	N.A.	8600.00	Each	602000.00
80.00	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	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	SITC of Linear Lighting segment (LED source) to be installed easily with magnetic mounting system fi	N.A.	5500.00	Each	440000.00

150.00	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 Characteristics-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	N.A.	2000.00	Mtr	300000.00
50.00	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	N.A.	8900.00	Each	445000.00
60.00	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	N.A.	900.00	Each	54000.00
<b>Audio Video Devices - Touch screen</b>							
3.00	Supply & Installation Corporate Interactive Flat Panel Screen Size 85" 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.) Multi touch enabled	Supply & Installation Corporate Interactive Flat Panel Screen Size 85" 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 85" with Following Specificatio	N.A.	1077000.00	Each	3231000.00
10.00	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	N.A.	95000.00	Each	950000.00

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. NVIDIA/ 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	N.A.	75000.00	Each	225000.00
1.00	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	N.A.	800000.00	Job.	800000.00
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.) 48" LED display with storage.	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	N.A.	90000.00	Each	720000.00
1.00	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 Waeanty 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.) LED Projector.	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 Waeanty with Following Specifications Resol	Supply & Installation XJ-F210WN Projector 3500 ANSI lumen brightness utilizing a 1.5x manual zoom l	N.A.	125000.00	Each	125000.00
25.00	Supply and fixing of polished Granite Benches with half rounding on edges, including all material and labour charges.completed item of work.	Supply and fixing of polished Granite Benches with half rounding on edges, including all material and labour charges.completed item of work.	Supply and fixing of polished Granite Benches with half rounding on edges, including all material a	N.A.	20000.00	Each	500000.00
<b>CCTV &amp; PA System</b>							

15.00	SITCF of IP PTZ Camera with 1.3 MP 20X 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 - HIKVISION, CP Plus, Electronic Eye,Godrej	SITCF of IP PTZ Camera with 1.3 MP 20X 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	SITCF of IP PTZ Camera with 1.3 MP 20X Optical Zoom, 1920x1080 image resolution, Day & Night IR Cut	N.A.	44100.00	Each	661500.00
35.00	SITC of IP Dome Camera with 2 MP (1920x1080) resolution, IR-30 M, Image Sensor 1/2.8" Progressive scan CMOS, Shutter Speed 1/3 to 1/100,000 s, Lens-2.8 to 10mm, Ir cut filter with auto switch, Video compression, H.264/MJPEG, Network storage NAS (Support NFS, SMB/CIFS) along with all Accessories Make - HIKVISION, CP Plus, Electronic Eye, Godrej	SITC of IP Dome Camera with 2 MP (1920x1080) resolution, IR-30 M, Image Sensor 1/2.8" Progressive scan CMOS, Shutter Speed 1/3 to 1/100,000 s, Lens-2.8 to 10mm, Ir cut filter with auto switch, Video	SITC of IP Dome Camera with 2 MP (1920x1080) resolution, IR-30 M, Image Sensor 1/2.8" Progressive sc	N.A.	5440.00	Each	190400.00
25.00	SITC of IP Bullet Camera with 4 MP Max. Image resolution(2688x1520) , IR-30 M, Image Sensor 1/3" Progressive scan CMOS, Shutter Speed 1/3 to 1/100,000 s, Lens-Fixed, 4 mm @ f/2.0 (6 mm option) Angle of view: 82° (4 mm), 55° (6 mm) , Ir cut filter with auto switch, Video compression, H.264/MJPEG, Network storage NAS (Support NFS, SMB/CIFS) along with all Accessories Make - HIKVISION, CP Plus, Electronic Eye, Godrej	SITC of IP Bullet Camera with 4 MP Max. Image resolution(2688x1520) , IR-30 M, Image Sensor 1/3" Progressive scan CMOS, Shutter Speed 1/3 to 1/100,000 s, Lens-Fixed, 4 mm @ f/2.0 (6 mm option) Angle	SITC of IP Bullet Camera with 4 MP Max. Image resolution(2688x1520) , IR-30 M, Image Sensor 1/3" Pro	N.A.	7220.00	Each	180500.00
3.00	SITC of NVR 32 channel , Two-way audio input: 1-ch, RCA (2.0 Vp-p, 1kΩ),Incoming bandwidth:200mbps,Outgoing bandwidth 80 Mbps, Frame Rate:Main stream: 50 fps (P) / 60 fps (N) Sub-stream: 50 fps (P) / 60 fps (N),Live view Capability: 16-ch@4CIF, 12-ch@720P, 6-ch@1080P Capacity: Up to 4TB for each disk, with 4 TB Hard Disk (WD/seagate make of HDD ) Make HIKVISION, CP Plus	SITC of NVR 32 channel , Two-way audio input: 1-ch, RCA (2.0 Vp-p, 1kΩ),Incoming bandwidth:200mbps,Outgoing bandwidth 80 Mbps, Frame Rate:Main stream: 50 fps (P) / 60 fps (N) Sub-stream: 50 fps (P) / 60 fps (N)	SITC of NVR 32 channel , Two-way audio input: 1-ch, RCA (2.0 Vp-p, 1kΩ),Incoming bandwidth:200mbps,	N.A.	30000.00	Each	90000.00
1.00	SITC of work station with i7 processor 4 GB RAM 1 GB Graphic card , 1 TB Hard Disk Make-Dell/HP	SITC of work station with i7 processor 4 GB RAM 1 GB Graphic card , 1 TB Hard Disk Make-Dell/HP	SITC of work station with i7 processor 4 GB RAM 1 GB Graphic card , 1 TB Hard Disk Make-Dell/HP	N.A.	45000.00	Each	45000.00
2500.00	S/L UTP Cat-6E cable Make D-Link, Quantum	S/L UTP Cat-6E cable Make D-Link, Quantum	S/L UTP Cat-6E cable Make D-Link, Quantum	N.A.	90.00	Mtr	225000.00
650.00	S/L 2 Core 1.5 Sq. MM Armoured coper Cable, Make-Skytone, Finolex, Polycam	S/L 2 Core 1.5 Sq. MM Armoured coper Cable, Make-Skytone, Finolex, Polycam	S/L 2 Core 1.5 Sq. MM Armoured coper Cable, Make-Skytone, Finolex, Polycam	N.A.	110.00	Mtr	71500.00
15.00	SITC of 8 port POE switch make Net GEAR, I Ball	SITC of 8 port POE switch make Net GEAR, I Ball	SITC of 8 port POE switch make Net GEAR, I Ball	N.A.	9600.00	Each	144000.00
40.00	SITC of Adaptor/Power 5 Amp Supply of C.P + GLOBAL make	SITC of Adaptor/Power 5 Amp Supply of C.P + GLOBAL make	SITC of Adaptor/Power 5 Amp Supply of C.P + GLOBAL make	N.A.	250.00	Each	10000.00
90.00	SITC of GI Pipe 32 MM A class	SITC of GI Pipe 32 MM A class	SITC of GI Pipe 32 MM A class	N.A.	290.00	Mtr	26100.00
160.00	SITC of HDE-DWC pipe 32 mm	SITC of HDE-DWC pipe 32 mm	SITC of HDE-DWC pipe 32 mm	N.A.	75.00	Mtr	12000.00

40.00	SITC of Wall mountable cabinet wooden speaker 6/8 watt , Make Bosch/ Bose / Altec Lansin or equivalent	SITC of Wall mountable cabinet wooden speaker 6/8 watt , Make Bosch/ Bose / Altec Lansin or equivalent	SITC of Wall mountable cabinet wooden speaker 6/8 watt , Make Bosch/ Bose / Altec Lansin or equivalent	N.A.	3000.00	Each	120000.00
1800.00	SITC of Speaker Cables 2core 1mm sq. copper , Make-Finolex,Polycam Or equivalent.	SITC of Speaker Cables 2core 1mm sq. copper , Make-Finolex,Polycam Or	SITC of Speaker Cables 2core 1mm sq. copper , Make-Finolex,Polycam Or	N.A.	10.00	Mtr	18000.00
1.00	SITC of UPS 3 KVA Online with 30 min. Battery backup,Make-Microtek,Luminous,IPS,APC	SITC of UPS 3 KVA Online with 30 min. Battery backup,Make-Microtek,Luminous,IPS,APC	SITC of UPS 3 KVA Online with 30 min. Battery backup,Make-Microtek,Luminous,IPS,APC	N.A.	95000.00	Each	95000.00
3.00	Supply & Installation of LED 32 Inch full HD Monitor, Resolution (1980x1080) Make Sony Samsung LG Panasonic	Supply & Installation of LED 32 Inch full HD Monitor, Resolution (1980x1080) Make Sony Samsung LG Panasonic	Supply & Installation of LED 32 Inch full HD Monitor, Resolution (1980x1080) Make Sony Samsung LG	N.A.	25000.00	Each	75000.00
1.00	SITC of 500 watt Amplifier and Digital Audio Controller Make Bosch/samsung/Sony	SITC of 500 watt Amplifier and Digital Audio Controller Make Bosch/samsung/Sony	SITC of 500 watt Amplifier and Digital Audio Controller Make Bosch/samsung/Sony	N.A.	50000.00	Each	50000.00
10.00	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	N.A.	25000.00	Each	250000.00
	<b>Display cabinet</b>						
25.36	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 Dupont Montelli 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)	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 Dupont Montelli on all Side . Item to i	Display cabinet- Pedestals Cabinet Providing & making of 50x50 mm First class teak wood member Sec	N.A.	82480.00	Cum	2091280.00



11.86	<p>Display cabinet- Corner Display 1 Providing &amp; 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 &amp; 25x140 mm thick top First class teak wood member finished including required Ghana teak wood mounding, beading including antitermite treatment &amp; 4 mm Forsted poly carbonate 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, &amp; Height 2000 (BWP Ply &amp; Laminate : century, greenply &amp; Merino make) (Toughened Glass : Atul, saint gobain &amp; Modiguard make) (Corian dupont montelli make) Cabinet Front area Measured</p>	<p>Display cabinet- Corner Display 1 Providing &amp; fixing display cabinet 900mm deep to be made useing 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 &amp; fixing display cabinet 900mm deep to be made useing 32</p>	N.A.	37200.00	Sqm.	441192.00
9.00	<p>Display cabinet- Type-1 Providing &amp; fixing display cabinet 600 mm deep to be made using 32 mm Commercial Plywood back and all side18 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 &amp; 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment &amp; 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 900 &amp; Height 2000 (BWP Ply &amp; Laminate : century, greenply &amp; Merino make) (Toughened Glass : Atul, saint gobain &amp; Modiguard make) (Corian dupont montelli make)</p>	<p>Display cabinet- Type-1 Providing &amp; fixing display cabinet 600 mm deep to be made using 32 mm Commercial Plywood back and all side18 mm Ply finished with 6 mm Corian finish outside and 1 mm thickne</p>	<p>Display cabinet- Type-1 Providing &amp; fixing display cabinet 600 mm deep to be made useing 32 mm Comme</p>	N.A.	201350.00	Nos.	1812150.00

2.00	<p>Display cabinet- Type-2 Providing &amp; 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 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 &amp; 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment &amp; 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 450 &amp; Height 2000 Width 2500 mm (BWP Ply &amp; Laminate : century, greenply &amp; Merino make) (Toughened Glass : Atul, saint gobain &amp; Modiguard make) (Corian dupont montelli make)</p>	<p>Display cabinet- Type-2 Providing &amp; 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 outside and 1 mm thick</p>	<p>Display cabinet- Type-2 Providing &amp; fixing display cabinet 450mm deep to be made using 32 mm Commer</p>	N.A.	92320.00	Nos.	184640.00
30.64	<p>Display cabinet- Coin Cabinet Providing &amp; fixing display cabinet 400mm 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 &amp; 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment &amp; 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 400 &amp; Height 2000 (BWP Ply &amp; Laminate : century, greenply &amp; Merino make) (Toughened Glass : Atul, saint gobain &amp; Modiguard make) (Corian dupont montelli make) Cabinet Front area Measured</p>	<p>Display cabinet- Coin Cabinet Providing &amp; fixing display cabinet 400mm 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 m</p>	<p>Display cabinet- Coin Cabinet Providing &amp; fixing display cabinet 400mm deep to be made using 32 mm</p>	N.A.	25420.00	Sqm.	778869.00

2.00	<p>Display cabinet- Type-3 Providing &amp; 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 &amp; Laminate : century, greenply &amp; Merino make) (Toughened Glass : Atul, saint gobain &amp; Modiguard make) (Corian dupont montelli make)</p>	<p>Display cabinet- Type-3 Providing &amp; 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</p>	<p>Display cabinet- Type-3 Providing &amp; fixing display cabinet to be made using 32 mm Commercial Plyw</p>	N.A.	157900.00	Nos.	315800.00
2.00	<p>Display cabinet- Textile Display Cabinet Providing &amp; 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 outside and 1 mm thickness Lamination inside .Front glass(Height 1530mm) to be extra clear (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 25x100 bottom &amp; 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment &amp; 4 mm Forsted acrylic sheet &amp; 20 mm Dia Metal 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 &amp; Height 2000 mm(BWP Ply &amp; Laminate : century, greenply &amp; Merino make) (Toughened Glass : Atul, saint gobain &amp; Modiguard make) (Corian dupont montelli make) Mounting method of carpet.</p>	<p>Display cabinet- Textile Display Cabinet Providing &amp; 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 out</p>	<p>Display cabinet- Textile Display Cabinet Providing &amp; fixing display cabinet 450mm deep to be made us</p>	N.A.	120040.00	Nos.	240080.00

1.00	<p>Display cabinet- Type-4 L Shape Providing &amp; fixing display cabinet to be made using 32 mm Commercial Plywood Top &amp; 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 lamineted 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 &amp; other size 2650x450x1500mm (BWP Ply &amp; Laminate : century, greenply &amp; Merino make) (Toughened Glass : Atul, saint gobain &amp; Modiguard make) (Corian dupont montelli make)</p>	<p>Display cabinet- Type-4 L Shape Providing &amp; fixing display cabinet to be made using 32 mm Commercial Plywood Top &amp; 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 &amp; fixing display cabinet to be made using 32 mm Commerci</p>	N.A.	200720.00	Nos.	200720.00
8.00	<p>Display cabinet- Type-5 Providing &amp; fixing display cabinet 750 mm 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 lamineted toughened . Glass to be fixed with 25x100 bottom &amp; 25x140 mm thick top First class teak wood member finished with Corian including required Ghana teak wood mounding, beading including antitermite treatment &amp; 4 mm Forsted acrlie 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 &amp; Height 2000 (BWP Ply &amp; Laminate : century, greenply &amp; Merino make) (Toughened Glass : Atul, saint gobain &amp; Modiguard make) (Corian dupont montelli make)</p>	<p>Display cabinet- Type-5 Providing &amp; fixing display cabinet 750 mm 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 th</p>	<p>Display cabinet- Type-5 Providing &amp; fixing display cabinet 750 mm deep to be made useing 32 mm Comme</p>	N.A.	113650.00	Nos.	909200.00

4.00	Display cabinet- Type-6 Providing & fixing display cabinet 670 mm deep to be made using 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)	Display cabinet- Type-6 Providing & fixing display cabinet 670 mm deep to be made using 18 mm Ply finished with 6 mm Corian finish on outside & Top except back and 1mm thick laminate inside Top .F	Display cabinet- Type-6 Providing & fixing display cabinet 670 mm deep to be made using 18 mm Ply	N.A.	84440.00	Nos.	337760.00
10.00	Display cabinet- Touch Screen Cabinet Providing & fixing display cabinet 670 mm deep to be made using 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)	Display cabinet- Touch Screen Cabinet Providing & fixing display cabinet 670 mm deep to be made using 18 mm Ply finished with 6 mm Corian finish on outside & Top except back and 1mm thick laminate	Display cabinet- Touch Screen Cabinet Providing & fixing display cabinet 670 mm deep to be made usei	N.A.	56620.00	Nos.	566200.00
10.00	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)	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	Display cabinet- Providing & Fixing of Small Pedestal made of 19 mm Bwr Grade Block Board finish	N.A.	55500.00	Cum	555000.00
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 &	N.A.	2740.00	Sqm.	356200.00
	<b>Signage</b>						

7.00	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,	N.A.	42700.00	Sqm.	298900.00
6.00	P& F Museum Gallery Signage stainless steel letters. 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 letters. 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 letters. all letters should have minimum of 150 mm he	N.A.	69260.00	Sqm.	415560.00
8.00	P& F Signage vinyl 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 vinyl 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 vinyl printed in on 10mm thick acrylic sheet,size 1000x375 mm no. 4 as per Internati	N.A.	13030.00	Sqm.	104240.00
15.00	P& F Emergency Signage vinyl 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 vinyl 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 vinyl printed in on 10mm thick acrylic sheet, as per International standa	N.A.	7020.00	Sqm.	105300.00
150.00	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 -	N.A.	3230.00	Sqm.	484500.00
120.00	P& F of Signage, Digital printed on 3M make vinyl 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 vinyl 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 vinyl and laminated in matt finish. print laminate/	N.A.	1900.00	Sqm.	228000.00
80.00	P& F of Signage, Digital printed on 3M make vinyl 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 vinyl 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 vinyl in matt finish. Post on walls 12 mm plywoo	N.A.	2130.00	Sqm.	170400.00

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 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, 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 useing 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	N.A.	32130.00	Sqm	578340.00
	Providing & installing Hyper Realistic Life Size Mannequins as per Photos Provided by Consultant Having Exposed parts made out platinum silicone (od thickness not less then 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 then 2 mm at any point) and unex	Providing & installing Hyper Realistic Life Size Mannequins as per Photos Provided by Consultant Hav				0.00
2	Man (Standing Posture) life size human measurement	Man (Standing Posture) life size human	Man (Standing Posture) life size human	N.A.	650000	Each	1300000.00
1	Man (Sitting Posture) life size human measurement	Man (Sitting Posture) life size human	Man (Sitting Posture) life size human	N.A.	640000	Each	640000.00
1	Women (Sitting Posture) life size human measurement	Women (Sitting Posture) life size human	Women (Sitting Posture) life size human	N.A.	690000	Each	690000.00
1	Women (Standing Posture) life size human measurement	Women (Standing Posture) life size human measurement	Women (Standing Posture) life size human measurement	N.A.	670000	Each	670000.00
2	" 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 pla	" Providing & fixing of 3-D Life size fibber glass model of Animal, Bird, Insect model - Musk deer,	N.A.	560000	Each	1120000.00