

**ESTIMATE COST OF FURNISHING, ELECTRIFICATION, DATA CABLING & AIR CONDITIONING  
WORKS OF "AMUL " OFFICE AT G.F., F.F. & S.F. A-23, VIDYA NAGAR NARMADAPURAM ROAD,  
BHOPAL**

**(ACCORDING TO PREVAILNG MARKET RATES)**

S.No.	Description of Item	Qty	Unit	Rate	Amount
<b>A</b>	<b>Part A : Interior Works :</b>				
<b>1</b>	<b>Gypsum Board False Ceiling :</b>	221.00	Sqm	850	187850.00
	Providing, and fixing Gypsum Board False Ceiling straight or curve any profile of reputed make which includes G.I. Perimeter Channels of size 0.55mm thick (having One Flange of 20mm and another flange of 30mm & a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall / partition with the help of Nylon sleeves and screws at 610mm centres. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with two flanges of 15mm each) from the soffit at 900mm centres with ceiling angle of width 25mm X 10mm X 0.55mm thick fixed to soffit with G.I. cleat and steel expansion fasteners. Ceiling section of 0.55mm thick having knurled web of 51.5mm & two flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clips and in direction perpendicular to the intermediate channel at 457 mm centres.				
<b>2</b>	<b>Cove in ceiling :</b>	186.00	Rmt	150	27900.00
	Same as above but providing, making and fixing Gypsum cove (inside height 250 - 300 mm and border 75 mm) to hide strip/cove light in ceiling or to act as pelmet for roller blinds on windows or for projector screen, etc.				
<b>3</b>	<b>Mineral Fibre Grid Tile Ceiling :</b>	100.00	Sqm	950	95000.00
	Mineral Fibre Acoustic Ceiling Tiles: Providing, making & Fixing at all heights & in spirit level, Acoustical Ceiling System @ Office areas with Armstrong, Gyproc or equivalent make mineral fibre acoustical suspended ceiling system as per Manufacturer's specification with pin-hole tiles, tegular edge with 24 mm exposed grid. The tiles should have Colour White, in module size of 600mmx 600mmx 15mm. with providing and fixing Hot dipped galvanised Steel suspension system Grid frame with butterfly clips, for laying of Acoustical Ceiling Tiles as				
<b>4</b>	<b>FALSE CEILING IN PLY WITH LAMINATE :</b>	33.00	Sqm	2100	69300.00
	Providing and fixing 12mm ply with necessary support from ceiling of 2"x1" Sal wood members provided at 2'-0" c/c and finished in 1 mm laminate of approved shade.				
<b>5</b>	<b>Full Height Partly Glazed Partly Wooden Double Skin Plywood Partitions :</b>	111.50	Sqm	3200	356800.00
	Providing and fixing full height partly glazed double skin partitions made out of Frame work to be 50mm X 50mm X 1.60 mm thick aluminum section weight not less than 0.836 kg/rmt with maximum distance of 450mm c/c both ways(Horizontal/ Vertical) or as directed, firmly fixed to floor or slab with 65 to 75 mm long screw or as directed by the Bank's Engineer as per site conditions with necessary grooves and cuts etc. including antitermite treatment to all wooden members wherever used. The partition to be sandwiched with <b>8 mm HDF Board / MR plywood</b> from both the sides and finished with 1.0mm thick approved shades of laminated finish & match the panelling pattern. Additional wooden members to be provided wherever door is to be provided. Wood shall be treated with antitermite chemicals. The cost shall include all labor, materials, strictly as per the given design & drawing etc.				
<b>6</b>	<b>Low Height partitions With / Without Glass :</b>	17.00	Sqm	3200	54400.00

	Providing & fixing full height partly glazed double skin partitions made out of Frame work to be 50mm X 50mm X 1.60 mm thick aluminum section weight not less than 0.836 kg/rmt with maxi-mum distance of 450mm c/c both ways(Horizontal/Vertical) or as directed, firmly fixed to floor or slab with 65 to 75 mm long screw or as directed by the Bank's Engineer as per site conditions with necessary grooves & cuts etc. including antitermite to all wooden members wherever used. The partitions to be sandwiched with <b>8.0 mm HDF Board</b> / MR plywood from both the sides & finished with 1.0mm thick approved shades of laminat. finish & match the panelling pattern. The borders /edges to be lained finish. The cost shall include all labor, materials, strictly as per the given design & drawing etc. in complete. One additional section 50 x 50mm shall be placed at 700 mm level from floor to fix the table. Additional wooden members to be provided wherever door is to be provided. Wood shall be treated with antitermite.				
<b>7</b>	<b>Wall / Column Panelling</b>	165.00	Sqm	2050	338250.00
	Providing, making & fixing single skin paneling ( <b>type I using 8 mm thick MR plywood</b> ) on walls, front facia, boxing for rolling shutter, and/or columns & /or glazing soffits at various parts of the premises, upto 3 mt height and boxing of 0.10 mt. ht., as required, made out of 25 x 25 x 1.0 mm thk weighing 0.467 kg/rmt aluminum frame, vertical and horizontal sections placed at 450 mm c/c both ways or less as per site condition and finished with 6 mm thick MR plywood shall be fixed over the frame ( either in one plane or at different levels) finished with 1mm thick decorative laminate of approved made and shade ( in one or multi colour) shall be fixed with proper adhesive as directed. Top of the paneling edges / is to be provided with laminate or teak wood decorative beeding of 35mm x 20 mm finished with <u>polish /painting as</u> .				
<b>8</b>	<b>ACP Panelling Works :</b>	47.00	Sqm	2300	108100.00
	ACP Panelling in exteriors and Shutter boxing with trap door : Providing and fixing in position Aluminium Composite Panel (ACP) on wall, boxing, shutter panelling with framing of M.S. Tube sections of min. 50 mm x 25 mm and 16 gauge, ( OR Aluminium tubular section of same sectional dimensions if required) of good quality, fixed/fabricated @ 600 mm c/c or less as per site requirement or members recommended by the manufacturer and in accordance with the specifications and recommendations of the manufacturer. The structure shall be fitted in place on walls/ beams/columns/ceilings/ MS fabricated structures etc. as instructed using recommended fixing method, with 3M or equivalent adhesive and with mirror screws, joints to be finished with silicon based sealant, etc. complete.				
<b>9</b>	<b>Cabinet for Electric Panel :</b>	4.50	Sqm	2500	11250.00
	Providing, making and placing in position cabinet with openable shutter around the electric panel. Cabinet and shutter made of 18mm thk MR grade plywood. All visible surfaces shall be laminated with 1 mm thick Laminate on external surfaces of approved made and shades & painting the internal surfaces with 2 or more coats of synthetic enamel paint, including providing teakwood lipping of size 20 x 6 mm on edges. Horizontal slots (approx. 10 mm wide) to be cut in the shutter at top & bottom for ventilation. Rate to include for necessary hardware fixture like providing with 3 nos. of 75mm long SS hinges for each shutter, two nos of 75 mm tower bolt (one top and bottom), SS handles to shutters, magnetic catchers for each shutter and multipurpose Godrej or ebco lock. (Measurement area = Measurement to be taken for the front surface area of the cabinet).				
<b>10</b>	<b>Toughned glass doors, at entrance</b>	19.00	Sqm	6000	114000.00

	Providing, and fixing 12mm thk single/ double shutter <b><u>Toughned glass doors, at entrance</u></b> , etc. (each door shutter counted individually) of size 2.10 m ht x (0.75 m - 1 m wide) (approx. as per site requirement) as demarcated, swing type door openable both sides made out of 12 mm thk. clear toughened float glass, edge polished, fixed in wooden top & bottom rails of approved colour & finish, fixed on Everite/ozone/ Hardwyn/ Dorma or equivalent. Include Floor Machine set, upper patch, lower patch, lock key plate, provision of locking system, etc. as per approval. One set of 25 mm dia S. S. brush finish pull handles (approx. 300mm length) "C" shaped, of approved make & design on both sides. Including providing "PUSH" * "PULL" sticker labels of approved design & make. The rate to include all materials, labour, transport, taxes, delivered and placed in position at site of work. Each door shall be treated individually with complete set of accessories to be provided on each door.				
<b>11</b>	<b>Flush Door / Glazed Door :</b>	46.60	Sqm	3100	144460.00
	Providing and fixing single shutter flush doors of approx size 2.10 m x 0.75 - 0.9 m as instructed, hinged type door openable one side as instructed, made up of superior quality waterproof flush door partially glazed (cost of glass included). The door shall be flush door of approx. 32-38 mm thickness, both sides 1 mm thk laminate as per design. Cost shall be inclusive of beadings, all accessories like SS hinges, medium quality mortise handles/locks, baby latches, stopper, etc. Fittings shall be in SS finish as per approval, the cost shall include p/f of door closers of reputed brand as per approval with all doors.				
<b>12</b>	<b>Toughened Glass Front Partition Glazing</b>	14.50	Sqm	5500	79750.00
	Providing, making and fixing in position 12mm thick toughened clear float glass in the front side of half height partitions of Single Window Counters of approximate size 1450mm x 400mm - 100mm in tapered shape. Also to provide toughned glass iat the entrance as partiton in Premises All the edges of the glass to be polished for a smooth finish and the glass is to be embedded in half partitions/ floor/ wall and fixed with " D " brackets/ SS fittings as required. Etching of glass with film to be done as directed ( measured separately). The cost to include all materials, labour, hardware etc., for a neat finished job as per drawings and directions etc., complete.				
<b>13</b>	Providing and fixing <b>Door closers</b> on doors of make Everite /Ozone / Hardwyn/ Dorma or equivalent upon approval including all packing, levelling, etc. as required.	8	Nos.	1500	12000.00
	<b>Sub Total : Part A (Interior Works)</b>				<b>1599060.00</b>
<b>B</b>	<b>Part B : Furnishing Works :</b>				
	<b>Furnitures :</b>				
	Providing and supplying Officer's table and other tables as detailed below :				
	The table shall be of size of 1500 x 750 x 750 mm height, with edges been double thick having one side drawer Unit, 350 mm wide (clear internal size) one M S powder coated keyboard tray with mouse tray (measured separately) as manufactured by ebco ( KBTM 45) or EGL (KBT-M-001) including sliding channel as per manufactures specification.				
<b>14</b>	<b>Executives ZIC's Table :</b>	1	Nos.	20500	20500.00
	Providing and supplying Executives ZIC of minimum size 2.10 m x 0.90 m x 0.75 m ht. as per details drawings				

15	<b>ZCAM / Manager Tables :</b>	2	Nos.	17500	35000.00
	Providing and supplying ZCAM/ Manager/ Auditor Tables of minimum size 1.90 -1.80 m x 0.90 m x 0.75 m ht. as per details drawings				
16	<b>Work Station / Tables :</b>	42	Nos.	10000	420000.00
	Providing and supplying Work Station with canopy / Tables of minimum size 1.10m x 0.65 m x 0.75 m ht. as per details drawings				
17	<b>RECEPTION TABLE - (3'-0"X 2'-0") IN LAMINATE FINISH</b>	1	Nos.	11500	11500.00
	Providing and making a table of over all size of top as mentioned above and as per design given. It shall consist of 18mm thk. Comm. Ply top finished with GALAXY MARBLE 12mm (Engg. Marble) thick with edge moulding and a 3 drawer unit with locks, handles etc. on the end of the table as shown in the drawing.(as approved by bank / architect). The drawer unit finished top should be at a lower level of 25mm below the finished counter top. The front modesty panel should be finished 18 mm Comm. ply with laminate ( as approved colour / shade) with Metallic laminate. The customer side top should be at a height of 1 feet with 18mm thick ply above which GALAXY MARBLE (Engg.Marble) of approved colour to be provided. The inside of drawer units, and the tables should be finished with laminate of approved shade. as per details drawings				
18	<b>CONFERENCE Table including Corian Marble top Surfaces</b>	1	Nos.	115000	115000.00
	Providing and supplying Conference Table of minimum size 4.50 m x 1.00 m. size Corian Top Center Table having Wooden Boxes of 200Cm.X75Cm. size (45Cm. high) made of 19mm. commercial Ply. 5Cm. high Skirting made of 19mm. Commercial Ply shall be fixed all around in stepped shape and Top of Step will be finished with P.W. Beading of 20mm.X20mm. section. 1mm. Laminated Sheet of required Color & Pattern will be pasted all around. Beading will be Polished with 3 coats of Melamine Polish after preparing Base with Putty & Sand Papered smooth to highlight grains, & Dupont/Corian quartz of 12mm thk. Applied on table Top, Sides and any where wall, Logo etc in place of 1mm thick laminate. To minimis material usage and facilitate installation a corner block of corian should be made square(Butt) rather than mitred. The edges to be joined should be straight, smooth and clean. Joints should only be made with joint Adhesive for Dupont Corian. All corners of a cutout must be rounded to 5mm radius and the edges smoothed, both on top & bottom, all around a cutout. "L" & "U" shaped corners need smooth 5mm radius inside corner. All works done to the satisfaction of the Architect/Project Manager. Note:- Work done including labour,				
19	<b>Meeting Room's Table including Corian Marble top Surfaces</b>	1	Nos.	48500	48500.00

	Providing and supplying Meeting Room Table of minimum size 2.10 m x 1.00 m x 0.75 m ht. as per Drawing Fabricating & Supplying 245cm.X 90Cm. size Corian Top Table having made of 19mm. commercial Ply. 5Cm. high Skirting made of 19mm. Commercial Ply shall be fixed all around in stepped shape and Top of Step will be finished with P.W. Beading of 20mm.X20mm. section. 1mm. Laminated Sheet of required Color & Pattern will be pasted all around. Beading will be Polished with 3 coats of Melamine Polish after preparing Base with Putty & Sand Papered smooth to highlight grains, & Dupont/Corian quartz of 12mm thk. Applied on table Top, Sides and any where wall, Logo etc in place of 1mm thick laminate. To minimis material usage and facilitate installation a corner block of corian should be made square(Butt) rather than mitred. The edges to be joined should be straight, smooth and clean. Joints should only be made with joint Adhesive for Dupont Corian. All corners of a cutout must be rounded to 5mm radius and the edges smoothed, both on top & bottom, all around a cutout. "L" & "U" shaped corners need smooth 5mm radius inside corner. All works done to the satisfaction of the Architect/Project Manager. Note:- Work done including labour,				
<b>20</b>	<b>Counter</b>	1	Nos.	14500	14500.00
	Providing and supplying Work Station with canopy / Tables of minimum size 1.35m x 0.65 m x 0.75 / 1.20 m ht. as per details drawings				
<b>21</b>	<b>Side Credenza :</b>	3.00	Sqm	6500	19500.00
	Providing, making & placing in position low height storage cabinets as storage & or runners from 350mm to 500 mm depth, height of 750 to 900 and length as per site requirement, and in 18 mm MR grade plywood construction with 6mm thk. MR grade plywood backing complete.It shall have 2 no. of 125 mm deep drawers, equal size (min. 400 mm) wide on upper side and below to drawers, the cupboard unit shall be with openable shutter & adjustable shelf all along the full width of the credenza. All drawers shall be fitted with telescopic channels and locking arrangement and cupboards shall have locking arrangement and all exposed edges of plywood shall be fitted with lamination/ teak wood beading duly polished. All bidding shall have polish/painted of matching color. All visible surfaces shall be laminated with 1 mm thick plain or Textured Laminate on external surfaces and 0.7 mm thick white lamination on internal surfaces of approved make and shade.				
<b>22</b>	<b>Back Credenza</b>	9.00	Sqm	6500	58500.00
	Providing and supplying Back Credenza/Runner, low height storage cabinets as storage and/or runners, in 18 mm MR grade plywood in verticals at sides, 900 mm c/c so as to form storage units attached together, each of width 900 mm. (Measurement area = Length x Height X Weidth 450mm.).It shall have 2 no. of 125 mm deep drawers, equal size (min. 400 mm) wide on upper side and below to drawers, the cupboard unit shall be with openable shutter & adjustable shelf all along the full width of the credenza. All drawers shall be fitted with telescopic channels and locking arrangement and cupboards shall have locking arrangement and all exposed edges of plywood shall be fitted with lamination / teak wood beading duly polished. All bidding shall have polish/painted of matching color. All visible surfaces shall be laminated with 1 mm thick plain or Textured Laminate on external surfaces and 0.7 mm thick white lamination on internal surfaces of approved make & shade.				

<b>23</b>	<b>Full Ht. Storage and DISPLAY CABINETS 40 CM. WIDE</b>	82.00	Sqm	5800	475600.00
	Providing and supplying full height Credenza / Runner, full height storage cabinets as storage and/or runners, in 18 mm MR grade plywood in verticals at sides, 900 mm c/c so as to form storage units attached together, each of width 900 mm. (Measurement area = Length x Height X Width 450mm.). as per details drawings				
<b>24</b>	<b>Roller Blinds :</b>	55.00	Sqm	1150	63250.00
	Providing & installing Rollar Blinds of Trac / Vista or equivalent, 100 mm wide, in two colours, of medium range fabric (synthetic material), of approved shade and colour, pull cords shall be 1.7 mm dia. Braided nylon with a core of rayon threads. The blinds shall be operate able in any direction with a flight upto 180 degrees and can slide to one side for opening purposes.				
<b>25</b>	<b>Laminated wooden flooring :</b>	90.00	Sqm	1800	162000.00
	Providing and fixing 8mm and above thick laminated (wooden flooring) of AC4 and above grade product of approved made out of core high density fibre board (HDF), surface layer shall be high preasure laminated treated for abrasion, scratch, moisture protection, flame protection U.V resistant, layer of acrylic resin, aluminium oxide or similer layer having above properties, backing under layer on min 2 mm thickness shall provide as sound absorbent and moisture protection layer, The seamless impregnated decorative layer of specified size, design, colour and pettern, all bonded together under high temperature and pressure with eco-friendly. The material shall be applicable warranty formaldehyde free, ecofriendly and fully recyclable (eco-freindly) and matching shed and excluding quantity of skirting and profile ( <i>Plank Size 7.68" wide x 47.83" long</i> )				
<b>26</b>	<b>Plastic Emulsion Paint With putty:</b>	450	Sqm	150	67500.00
	Providing & applying Plastic emulsion paint on walls, ceiling, etc. Removing, scrapping & cleaning the existing color wash/ distemper/oil bond distemper / plastic/ luster etc. paint by scrapping, washing and scrubbing and applying Birla putty nor equivalent. The surface shall then be allowed to dry for atleast 24 hours. It shall be then sand papered to give a smooth & even surface. Holes shall be filled with BIRLA putty, made with plaster of paris.				
<b>27</b>	<b>Enamel Paints to Doors, Windows, Grills, Metallic Surfaces, Walls:</b>	180	Sqm	110	19800
	Providing & applying Enamel Paints to Doors, Windows, Grills, Metallic Surfaces, walls, etc. Removing, scrapping & cleaning the existing enamel paint on doors, windows, grills, metallic surfaces, etc. paint by scrapping, sand papering and scrubbing. Then first coat of primer to be applied. After this necessary leveling shall be done with putty & second primer coat shall be applied.				
	<b>Sub Total : Part B (Furnishing Works)</b>				<b>1531150</b>
<b>C</b>	<b>Part C : Bought Out Items:</b>				

<b>1</b>	<b>Sofa set : (Leatherite Finish)</b>				
	Providing, making and fixing in position sofa set with/without side arms made for best quality badam/hillock wood frame-work & legs fitted with rubber nylon shoes fixing with 8mm thick commercial ply back side. Providing 150 mm thick high density (min40) foam rubber of approved quality to seat of zigzag spring of approved quality over 12 mm thick phenol form aldehyde bonded approved quality commercial ply and 50 mm thick foam rubber of approved quality, density mini. 32 to back covered with upholstery of latherite, rate not less than Rs. 450/- per mt. finish of approved quality materials including polish finish complete of approved quality and make selected by the Engineer in Incharge. Rate inclusive of cost of material, transportation, loading/ unloading, labour tools & tackles up to any lead and lift etc.				
	Measurement : no. of seats	7	Nos.	6000	42000
<b>2</b>	Providing and supplying medium back chairs as per following specification (1). The chairs has a back inner / outer shell made out up of polypropylene having snap type fittings . (2). Moulded foam (48 DENSITY) is used on the seat and back. (3). A hot presses plywood seat (12 MM THICK) is used as base (4). The arm rest used is made up of soft polyurethane (250 density) having mild steel insert (5).The tilting mechanism used is having only back movement lockable at the front position. (6). The seat to back connecting mild steel plate is 10 MM thick. The handle connecting mild steel plate is 5 MM thick. (7). A seat outer made up of POLYPROPYLENE is used for asthetic appeal. ( 8). An imported gas lift mechanism is used for seat height adjustment. (9). A mild steel powder coated base (630 MM WIDE) is used having a load capacity of 800 KGS. (10). Twin wheel nylon castore are used having a load bearing capacity of 50 Kgs. Per Caster. <i>as per quality and design approved, of makes viz.Godrej/ Astro/ Wipro/ Methodex</i>				
<b>A</b>	BR-IN-CHARGE (HIGH BACK) WITH REVOLVING AND TILTING ARRANGEMENT as per above specification.	5.00	Nos	9000	45000
<b>B</b>	OFFICERS / STAFF CHAIR( MEDIUM BACK) WITH REVOLVING AND TILTING ARRANGEMENT as per above specification.	63.00	Nos	7500	472500
<b>C</b>	Medium back fixed type chairs	9.00	Nos	3500	31500
<b>D</b>	BAR STOOL FOR PANTRY ROOM	6.00	Nos	2000	12000
	<b>Sub Total : Part C (Bought Out Items)</b>				<b>603000.00</b>
<b>D</b>	<b>Part D: Electrical, Telephone &amp; Data Cabling Works:</b>				
<b>1</b>	<b>ELECTRICAL WIRING</b>				

	<p>Providing, fixing, testing and commissioning of POINT WIRING of any length for light point/Wall fan point/Exhaust fan point/ Call bell point/ including call bell/ including fan box( if required), 'S' type fan hook etc with 3 X 1.5 Sq.mm(P/N/E) PVC 650V/1100V Grade <b>FRLS WIRE</b> insulated copper conductor single core multi stranded wire in 16 SWG(Medium Gauge) stove enamelled rigid steel conduit 20mm/25mm with conduit accessories like bend, junction box etc in concealed/surface manner as per site requirement with suitable Modular Switches/Sockets with plate and Metal/PVC box, Scaddle, angle bracket (if required), 3 plate ceiling rose/bulb holder etc. The floor/roof/wall junction box should be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. <b>The item includes Circuit wiring from DB to the switch board with 3x2.5 Sq.MM.</b> The above wiring carried out surface or recess in wall/floor/roof should be cutting by cutter/chisling, replastering, curing, painting with uniform and smooth finish by specialised workman ship and making the surface neat afterwards complete in all respect as per direction of Bank Engg. (EACH Circuit to take NOT MORE than 7-8 points) The conduit/ Flexible conduit/junction box/metal modular box etc must be joined by gland and check nut at both ends. (each circuit to be controlled by one MCB). The colour code of wire are as under: Phase- Red, Neutral- Black, Earth-Green</p>				
i	Providing and fixing of point wiring with above specifications. <b>One light point controlled by one switch.</b>	98	Nos.	700.00	68600.00
ii	Providing and fixing of point wiring with same above specifications. <b>Two light points</b> to be controlled by one switch.	30	Nos	750.00	22500.00
iii	<b>Call bell point</b> with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	3	Nos	750.00	2250.00
iv	Providing and fixing <b>6 Amps Plug Points</b> with same specs as above and install along with same light switchboard	35	Nos	450.00	15750.00
2	<b>6 amp. Modular switch</b> as serial no 1 on <b>seperate Board</b> using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modular socket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sqmm copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).	48	Nos	950.00	45600.00
3	Same as serial no.1, but wiring for <b>16 Amp, 6-pin sockets</b> by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1 <sup>st</sup> socket and 1 <sup>st</sup> to 2 <sup>nd</sup> , socket with 2*2.5 sq.mm. and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 –pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly) max 2 points per circuit	48	Nos	1,600.00	76800.00
4	<b>SPECIAL POINTS : ( For Computers ).</b> Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate, PVC modular box on Surface / sheet steel box in concealed manner l/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. 2 Nos. 6 A Switch + 3 Nos. 6 A, 3 pin Socket (Minimum two and Maximum three points are loop with one circuit as mentioned beolw)	48	Nos	850.00	40800.00



5	<b>AC &amp; Power Point (Single Phase).</b> Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. / GEYSER power point with the followings : Metra Plug and Socket DBs with one Nos 20 Amp SP MCB, 20 Amp plug and socket with complete Enclosur plate and box.- 1 set i/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as required as per site requirement and as directed by Bank Engineer. <b>OR</b> Modular 32A DP 1 way switch with plate & box 1 set. + 25A & 10A twin socket (Only one point is connected with one circuit as mentioned below)	24	Nos	950.00	22800.00
6	<b>AC Point (Three Phase).</b> Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. Cassette power point with the followings : Metal enclose Four way with one Nos 32 Amp FP MCB with complete Enclosur plate and box.- 1 set i/c electrical connections and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed. (Only one point is connected with one circuit as mentioned below) including 5 X 4 Sqmm. Copper multistrend FRLS wire in suitable size of 16 SWG (MMS) steel conduit ( For Cassette AC)	3	Nos	2,500.00	7500.00
7	<b>CIRCUIT WIRING :(FRLS WIRE)</b> <i>Supply , installation, testing &amp; commissioning of FRLS circuit wiring measured in numbers with suitable size of MS conduit 1.6 mm thick and 25mm dia. The wiring in MS conduit is as per IS code. The average length of wiring around between(25-30) Mtr.</i>				
a	3 X 2.5 sqmm ( For UPS Circuit/6 amp Separate Board ) in suitable size of 16 SWG (MMS) steel conduit as per IS code.	24	Nos	1,800.00	43200.00
b	3 X 4.0 sqmm ( For 1 ton, 1.50, 2.00 & 2.00 Cassette AC / Power Circuit ) in suitable size of 16 SWG (MMS) steel conduit as per IS code.	24	Nos	2,200.00	52800.00
c	5 X 4 Sqmm. Copper multistrend wire in suitable size of 16 SWG (MMS) steel conduit ( For 3 TON Cassette AC)	60	R.Mtr	250.00	15000.00
8	<b><u>MAIN PANEL AND METER BOARD</u></b>				
	<b>All MCB to be "C" series</b>				
	Supply, installatin, Testing and commissioning of the surface/recess mounting following ways MCB DB's 230/415 Volts with tinned copper, busbar, neutral bar, earth bar, din bar detachable gland plate, interconnection and making good all the damages, painting, cleaning the site etc complete as required as per site requirement. All MCCB has braking capacity is 25KA and ALL MCB/ELCB has breaking capacity has 10 KA. Make of Materials. Panel-As per IS Standards/CPRI Tested. DBs/MCCB/MCBs- Legrand/Siemens/Hagger/Schneider only. (Note:- Before Placing the Panel order,firstly it Passed by the Bank Authority, otherwise it will not be considered)				

	Supplying, installation testing and commissioning of indoor type, sectionalised, compartmentalized, MV Panel board of suitable size fabricated from CRCA sheet of 2 mm thick for frame work enclosure and doors, 3mm thick for gland plates with stiffers where required, having vibration free structure chemically treated with seven tank process before painting for surface treatment and powder coated, with aluminum busbar with DMC / SMC busbar supports suitable for 3 phase 415 V 50 Hz AC supply i/c providing and fixing the following switchgear mounted thereon complete with gaskets and interconnections, connection as per specification complete as required. (The board shall be dust & vermin proof with suitable degree of IP protection)				
	<b>NOTE:</b> All switchgears lcs shall be equal to 100% lcu Sheet 14 swg: panel side upper, lower and Ft. doors. Sheet 16 swg : back side and compartments. Gland plates : 3 mm thick. Cable entry : Provision at bottom and upper sides. The above panel belongs following as under: A. 4 Nos. 300 Amp. Electrolytic grade Aluminum Bus Bars insulated with colored Heat Shrinkable PVC Sleeves & duly supported on SMC/DMC molded supports with Antitracking barriers. B. INCOMING SWITCHGEARS: (RYB LED Indicators for Both Main/DG) (i) 1 no. FP. 250 A, 25 KA MCCB with thermal magnetic trip unit WTH Digital Voltmeter & Digital Ammeter suitable size of CTS, selector switches etc. – energy meter C. OUTGOING SWITCHGEARS: (i) 1 Nos – 160 Amp TP MCCB for main with 300 amp bus bar with indicator (AC) (ii) 200 amp onload changeover with 1 Nos. 160 amp 25 KA TP MCCB for DG supply with 300 amp bus bar with indicator ( Light & Power) (iii) 300 amp bus bar for parallel connection with DG changeover output	1	Set	45,000.00	45000.00
9	<b>SDP(Surge Protector Device)</b>	1	Set	15,800.00	15800.00
	Supply & Installation of SDP(Surge Protector Device) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N) , 40 KA, T2- I <sub>max</sub> 40KA/pole with complete wiring.				
10	<b>6-way TPN DB (LIGHT DB)</b>	2	Set	15,500.00	31000.00
	<b>Incomer:-</b> 1 No. 32 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	<b>Outgoing:-</b> 10-12 Nos. 6/10/25 Amp (10 KA) SP MCB				
11	<b>4-way TPN DB ( POWER DB)</b>	2	Set	12,500.00	25000.00
	<b>Incomer:-</b> 1 No. 63 Amp TPN (10 KA) MCB				
	<b>Outgoing:-</b> 10 Nos. 16 Amp (10 KA) SP MCB				
12	<b>4-way V-TPN DB (LIGHT )</b>	1	Set	14,500.00	14500.00
	<b>Incomer:-</b> 1 No. 80 Amp 4 Pole (16 KA) MCCB				
	<b>Outgoing:-</b> 4No. 40 Amp (16 KA) TP MCB & 5 Nos. 25 Amp (10 KA) SP MCB				
13	<b>8-way V-TPN DB (AC )</b>	1	Set	17,500.00	17500.00
	<b>Incomer:-</b> 1 No. 80 Amp 4 Pole (16 KA) MCCB				

	<b>Outgoing:-</b> 4No. 40 Amp (16 KA) TP MCB & 5 Nos. 25 Amp (10 KA) SP MCB				
14	<b>4-way TPN DB UPS ROOM</b>	2	Set	10,500.00	21000.00
	<b>Incomer:-</b> 1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	<b>Outgoing:-</b> 2Nos. 40 Amp (10 KA) DP MCB, For UPS outgoings to individual SDB				
15	<b>12-way SPN DB (For UPS Sub DB)</b>	2	Set	8,500.00	17000.00
	<b>Incomer:-</b> 1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)				
	<b>Outgoing:-</b> 8-10 Nos. 6/10Amp (10 KA) SP MCB				
16	<b>KIT KAT 200 AMP.</b>	1	Set	3,500.00	3500.00
	Providing and fixing of Kit Kat Rewirable Porcelain fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box				
17	<b>CABLES</b>				
	Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working voltage upto and including 1100 V grade, laid and tied on existing overhead cable trays, or laid and tied over MS supports in masonry trenches with copper/al cable lugs, single compression brass cable glands, tapping, crimping etc. as required and all cables run with double run( <b>2 No.) of GI wire of 8 SWG size.</b> The size of cables are as under:- Make of Material:- (i) PVC/XLPC Armoured cable:- Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination:- Dowells, Comet				
i	<b>3.5 X 50</b> Sq.mm XLPE. Al. armoured Cable ( <b>AC VTPN, BUS BARS &amp; A.C. DB /Main cable</b> )	60	Mtr	330.00	19800.00
ii	Supplying, laying, testing & commissioning of <b>4 C X 10</b> sq.mm. at 1100 volts grade PVC insulated <u>copper conductor</u> armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification from <b>Main board to UPS Room</b>	70	Mtr	400.00	28000.00
iii	Supplying, laying, testing & commissioning of <b>4 C X 25</b> sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification <b>Pane to (POWER/UPS) DB</b>	90	Mtr	250.00	22500.00
iv	Supplying, laying, testing & commissioning of <b>4 C X 16</b> sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification ( <b>Light DB</b> ).	90	Mtr	190.00	17100.00
v	Supplying, laying, testing & commissioning of <b>4 C x 50</b> sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification ( <b>Mains</b> ).	50	Mtr	350.00	17500.00

<b>18</b>	<b>EARTHING</b>				
<b>a</b>	<b>COPPER PLATE EARTH STATION:</b> Preparation of the Plate Earth Station:( As per IS:3043) (a) Excavation of hard rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm X 1000 mm X 2500 mm. (b) Supply and fixing of Copper Plate of Size 600 mm X 600 mm X 3.0 mm thick. (c) Fixing of 50 mm X 6 mm, 3 Mtrs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc. (d) Supply and laying in position 19 mm, 2 Mtrs G.I "B" Class pipe for watering with reducer/funnel with mesh. (e) Supply and Fixing of the following in the earth station. (i) 75 Kg. Charcoal. (ii) 15 Kg. Original Salt. (iii) Black Cotton soil of adequate amount. (f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I Cover of size 12" X 12" complete as per site requirement.	2	Nos	10,000.00	20000.00
<b>b</b>	<b>G.I.PLATE EARTH STATION :</b> Preparation of the Plate Earth Station: (as per IS:3043) (a) Excavation of rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm x 1000 mm x 2500 mm deep. (b) S/F of G.I. plate of size 600 x 600 x 6.0 mm thick. (c) S/F fixing 50 mm x 6 mm, 3 mtrs G.I, strips from G.I.plate to earth terminal including brazing / welding at plate etc. (d) Supplying and laying in position 19 mm, 2 mtrs G.I. 'B' class pipe for watering.with reducer/funnel with mesh. (e) S/F of the following in the earth station. 75 Kg. Charcoal, 15 Kg. Original Salt. and Black Cotton soil of adequate amount. (f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I. Cover of size 12" x 12" complete as per site req.and marking its value & identification etc.	2	Nos	8,500.00	17000.00
<b>d</b>	Providing and fixing of Copper / GI strips in surface or in recess for loop earthing etc. as required.				
<b>i</b>	25 mm x 3 mm copper strip with proper clamps	70	Mtr	320.00	22400.00
<b>ii</b>	25 mm x 5 mm GI strip	60	Mtr	140.00	8400.00
<b>iii</b>	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface/ recess cable as required.	60	Mtr	50.00	3000.00
<b>19</b>	<b>TELEPHONE POINT</b>				

(i)	Two pair, 0.61 mm dia. telephone cable tinned copper conductor, P.V.C. insulated and sheathed , fire retarding, anti termite, colour coded twisted pairs and rip cord, Double outlet The length of telephone cable upto <b>35 meter length</b> or less as per site condition with shutter modular type Telephone Outlets ( RJ — 11 ) with suitable size MS / PVC modular boxes and it laying, fixing, testing and commissioning in suitable size 20/25 mm dia, 16 SWG (Medium Gauge) thickness rigid PVC conduit with conduit accessories like bend/junction box / cover plate/ sheet steel/PVC box on surface/ concealed manner i/c electrical connections and making goods all the damages, replastering, painting, cleaning the site etc complete as required as per site condition. The floor/roof/wall junction box should be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. Make of Material:- Delton/Finolex/RR cable	13	Nos	800.00	10400.00
(ii)	Supplying and fixing of krone telephone tag block on surface/ recess mounted with its accessories suitable for the multi core telephone cable and shall accommodate tin-plated phosphor bronze connectors, the connectors shall splice unskinned cables up to 0.61 mm dia and shall be terminate both incoming and out going lines, the tag blocks shall be mounted inside, water proof box and locking arrangement and shall be fully accessible. (A) 20 Pair tag block	1	Nos	1,800.00	1800.00
<b>20</b>	<b>DATA CABLING FOR LAN</b>				
<b>a</b>	Providing, fixing, testing and commissioning of all nodes of four pair UTP CAT 6 LAN cables length upto <b>30 meter length</b> or less as per site condition in suitable size 20/25 mm dia, 16 SWG wall thickness rigid PVC conduit with conduit accessories like bend/junction box/ fan box etc on surface/recessed manner and making good all the damages, painting, cleaning the site etc complete as required as per site condition and as directed as required. Junction box should be covered with Stainless steel plate with screw with gasket for protection of water/dust. Providing, fixing, testing and commissioning of modular type Information Outlets with suitable size of MS/PVC modular boxes complete, all accessories with insulation displacement connectors etc suitable for CAT 6 UTP cabling with RJ-45 socket with testing and commissioning of STP cabling with scanner for all the nodes/switches/jack panel complete (Each point/circuit/cable from both load and source end to be marked with ferrules.) Make of Material:- (i) Data Cable, Cat 6 cable, Switch, Jack panel, Rack, Patch cords & Other accessories:- D-Link, Legrand	50	Nos	1,500.00	75000.00
<b>b</b>	Providing and fixing Patch Panels 30 port (100 base TX) CAT 6 patch/jack panel with connector, outlets and necessary connectivity complete as required & (D-Link make)	2	Nos	10,500.00	21000.00
<b>c</b>	Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. 9 U wall mounted RACK	2	Nos	5,000.00	10000.00
<b>d</b>	Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.)				
<b>i)</b>	for 1 Mt. long	50	Nos.	160.00	8000.00
<b>ii)</b>	for 2 Mt. long	50	Nos	180.00	9000.00

e	Providing, fixing, testing and commissioning of four pair CAT 6 LAN cable in suitable size of 20/25mm PVC medium gauge 16SWG conduit including all accessories to interconnect the switches from different location.	50	Mtr	55.00	2750.00
	<b>Description of light /fan fixture</b>				
21	LED LUMINAIRES:- 2' x2' (FULL GLOW TYPE) LED light fittings (600 X600mm) dimension suitable for grid/gypsum ceiling complete with its electronic driver as required per instruction of Bank's Model No are as under:- PHILIPS:- RC380B G2 LED 35S-6500 PSU OD WH LED (FULLGLOW) WIPRO:- CRCO1ORO 38 HP57 HAVELLS:- LHECDIL7IL1W036 (Edge- Lit) CG:- LCTAR3-40-CDL	36	Nos	2,200.00	79200.00
22	LED DOWNLIGHTER: 15 Watt, recessed mounted circular down lighter , 6" dimension with complete its electronic driver are as under:- PHILIPS:- GREENLED-DN193B LED-12S-6500 PSU WIPRO:- IRIS LED LD 71-121-XXX-50-XX HAVELLS:- LHEBJNP ZPZ 1W 015(ENDURA LOW DEPTH) CG:- LC DD-15-CDL,	87	Nos	700.00	60900.00
23	LED Spot Light, 3 Watt, 2/3"(Inches) size as per site requirment. PHILIPS, WIPRO, HAVELLS, CG	14	Nos	350.00	4900.00
24	<b>LED COVE / STRIP LIGHT WITH ITS ELECTRONIC DRIVER( BLUE COLOUR):-</b> Supply, installation, testing and commissioning of bright LED strip light with its electronic driver complete as required. PHILIPS, WIPRO, HAVELLS, CG	50	Mtr	250.00	12500.00
25	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt - PHILIPS/WIPRO/HAVELLS/CG	10	Nos	650.00	6500.00
26	WALL FAN:- ( Only Metallic Body ) Oscillating wall fan with regulator i/c coonections etc complete as required as per approved make, Sweep 400/450 mm , RPM 1300 make are as under: CG/USHA/ ORIENT/HAVELLS	18	Nos	3600.00	64800.00
27	EXHAUST FAN:- Single phase, 300mm sweep, 900 rpm, metallic exhaust fan of the following single phase Exhaust fan continuously rated, capacitor start and run type, totally enclosed and ruggedly built, pre lubricated double ball bearing, copper wound, A & E class insulation, dynamically balanced, below 40 db sound level etc, front cover with grill/gravity louver for protection purpose with 12 mm plywood complete in all respect make as under: CG/USHA/ ORIENT/HAVELLS/ALMONARD/ALSTOM	8	Nos	3,200.00	25600.00
	<b>Sub Total : Part D (Electrical Works)</b>				<b>1171950</b>
<b>E</b>	<b>Part E : Air Conditioning Works :</b>				
	Supply, installation, testing and commissioning of following AIR CONDITONERS as under. The Rate shall be inclusive of all taxes excluding GST. GST will be paid additionally by the Bank as applicable subject to GST Number. and system has complete one year warranty & If any additinal warranty provided by company/vendor in any specific part like compressor etc that is acceptable, please mentioned it.				

<b>1</b>	Supply, installation, testing and commissioning of Higher Efficient models of <u>SPLIT AC FIVER* STAR INVERTER RATING OF BEE AIR CONDITIONERS</u> Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode & on/off timer with suitable thermostat. The rate should include installation charges after making appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door unit as per site conditions including carpentry work, minor civil work and material including copper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm , cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates inclusive of all repairs of civil				
<b>A</b>	<b>SPLIT AC FIVER* STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.00 TON</b>	3	Nos	33,500.00	100500.00
<b>B</b>	<b>SPLIT AC FIVER* STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.50 TON</b>	2	Nos	45,500.00	91000.00
<b>2</b>	Supply, installation, testing and commissioning of Higher Efficient models of <u>CASSETTE A.C. FIVER* STAR OF AIR CONDITIONERS</u> Machines confirming to latest Indian Standards and suitable for operation on 415 Volts + 10 %, three Phase, 50 Hz AC supply with Scroll compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode & on/off timer with suitable thermostat. The rate should include installation charges after making appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door unit as per site conditions including carpentry work, minor civil work and cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The rates inclusive of all repairs of civil and carpentry work The out door unit should be anti-rust powder coated. The cost includes original fill and additional top up of refrigerant gas as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work				
<b>A</b>	<b>CASSETTE A.C. FIVER* STAR OF AIR CONDITIONERS 2.0 TON</b>	4	Nos	70000	280000.00
<b>B</b>	<b>CASSETTE A.C. FIVER* STAR OF AIR CONDITIONERS 3.0 TON</b>	3	Nos	87500	262500.00
<b>3</b>	Supply and installation of soft & prime quality of min. <b>22 G Copper pipe for " Split AC only "</b> with class "o" Nitrile insulation of minimum 12mm for split air conditioner including inter connection power/communication cable between indoor & outdoor unit as per site requirement. ( If required additionally, payment will made as per actual installtion. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of Insulation:- Superlon/Aflex/Armacell/Kflex Make of cable:- Finolex/RR/Havells	70	Mtr	900	63000.00



4	Supply and installation of hard & prime quality of min. <b>22 G Copper pipe</b> for "Cassette AC Only" with class "o" Nitrile insulation of minimum 12 mm for 3 / 4 ton cassette type air conditioner including interconnection power/ communication cable between indoor and outdoor unit as per site requirement.( If required additionally, payment will made as per actual installtion.) The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of Insulation:- Superlon/Aflex/Armacell/Kflex . Make of cable:Finolex/RR	120	Mtr	950	114000.00
5	<b>Drain Pipe</b> ( If Required additional) Applicable to both ACs(Cassette & Split AC). Supply and laying of heavy gauge PVC drain piping of 40mm with insulation as per site requirement with its all accessories like bend, solution etc as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. ( If required additionally, payment will made as per actual installtion.) Make:- Kasta/supreme	200	Mtr	90	18000.00
6	Providing & fixing of <b>4/5 KVA Voltage stabilizer</b> with time delay option including all accessories with installation at site ( For 1Tr /1.5Tr Split AC & 1.5 Tr Cassette AC) Make:-Microtek, V-Gards (Voltage Range 150- 280 Volts)	5	Nos	4500	22500.00
<b>Sub Total : Part E (Air Conditioning Works)</b>					<b>951500.00</b>
<b>F</b>	<b>Part F : Fire fighting and Alarm system :</b>				
1	SITC of MS pipe including all fittings like anchor fasteners, couplings, bends, elbows, tees, flanges, etc.,welding as required painting with one coat of red-oxide primer and coats of synthetic enamel paints to give an even shade, cutting holes and chases in brick or RCC walls and making good complete.make : <b>Jindal (C Class)</b>				
	<b>100 mm dia</b>	24	Mtr.	1450	34800.00
	<b>80 mm dia</b>	6	Mtr.	1090	6540.00
2	SITC of SS <b>butterfly valves</b> with epoxy coated disc, carbon steel shaft and lever actuator tested to 16 Kg-/cm 2. make : kartar /armor				
	<b>100 mm dia</b>	4	Nos.	4200	16800.00
3	SITC of SS flanged horizontal type <b>non return valves</b> including nuts, bolts.make : kartar /armor				
	<b>100 mm dia</b>	2	Nos.	4900	9800.00
4	<b>SITC of Stainer</b>				
	<b>100 mm dia</b>	1	Nos.	8900	8900.00
5	SITC of <b>First-Aid Fire Hose Reel wall mounting swinging type complete with drum</b> , bracket, 25 mm dia. ball valve and 20 mm dia.x 36M long high pressure Hose Reel tubing as per IS:444 & ISI marked with metal shut-off nozzle having 5mm dia. orifice.The Hose Reel shall strictly confirm to IS : 884-1985. make : armor/ kartar	4	Nos.	7900	31600.00
6	Providing and fixing of <b>Single headed</b> , ISI marked oblique pattern <b>hydrant landing valve</b> with 80 mm dia flanged inlet and 63 mm dia instantaneous type female double outlet complete with metal cap and G.I. chain, twist release type plug and all accessories as per 13:5290-1983 (Type 'A') make : armor/ kartar	4	Nos.	5200	20800.00
7	<b>Non-percolating flexible hose (RRL type-'A')</b> ISI marked (IS:636) 63 mm dia x 15 M long complete with ISI marked Male and female couplings (IS:903) bound and riveted to hose pipe with rivets. make : armor/ kartar	4	Nos.	4800	19200.00



8	Providing and fixing <b>fire hose cabinet</b> fabricated from 16 gauge MS sheet of fully welded construction with flanged single <b>front door</b> with locking arrangements and partially glazed with thick glass, make : armor/ kartar	4	Nos.	3200	12800.00
9	63mm dia short size <b>branch pipes</b> with 20 mm dia nozzles with 63mm instantaneous coupling ISI marked (IS: 903). make : armor/ kartar	4	Nos.	1800	7200.00
10	SITC of 100mm dia two way fire brigade inlet connection consisting of 63mm size make coupling and shall be protected by cap scored with a chain glass bore etc. ( IS 904- 19765). make : armor/ kartar	1	Nos.	5500	5500.00
11	SITC of 'ABC' stored pressure type Dry Chemical Powder (Mono-Ammonium Phosphate ) firecomplete as per IS:14609. make : armor/ kartar	8	Nos.	1900	15200.00
12	SITC of CO2 type fire extinguishers complete as per IS:14609. make : armor/ kartar	2	Nos.	5800	11600.00
<b>PUMP AND ACCESSORIES</b>					
1	SITC of Main electric motor driven <b>fire hydant booster pump</b> complete with pull out type motor of total head 50 mtr with coupling,baseplate etc.with automatic start stop panel with pressure gauge, pressure switch. make : Kirloskar? wilo	1	Nos.	65000	65000.00
<b>MANUAL FIRE ALARM SYSTEM</b>					
1	Supply installation and testing of zone conventional fire alarm control panel.2 detection zones,4 sounder outputs, surface mounting, fire and fault relays. make : Agni devices	1	Nos.	18000	18000.00
2	Supply, installation and testing of manual call point/glass break unit make : Agni devices	6	Nos.	850	5100.00
3	Supply installation and testing of hooter/siren of 80 Db make : Agni devices	6	Nos.	900	5400.00
4	Supply Installation and testing of smoke detector make : System Sensor	29	Nos.	1350	39150.00
5	Supply and installation of 2 core multistranded copper armoured cable make :Polycab	400	Mtr.	115	46000.00
<b>Sub Total : Part F (Fire fighting and Alarm system)</b>					<b>379390.00</b>
<b>Sub Total : Part A (Interior Works)</b>				<b>Part -A</b>	<b>1599060.00</b>
<b>Sub Total : Part B (Furnishing Works)</b>				<b>Part -B</b>	<b>1531150.00</b>
<b>Sub Total : Part C (Bought Out Items)</b>				<b>Part -C</b>	<b>603000.00</b>
<b>Sub Total : Part D (Electrical Works)</b>				<b>Part -D</b>	<b>1171950.00</b>
<b>Sub Total : Part E (Air Conditioning Works)</b>				<b>Part -E</b>	<b>951500.00</b>
<b>Sub Total : Part F (Fire fighting and Alarm system)</b>				<b>Part -F</b>	<b>379390.00</b>
<b>Total : Part ( A to D)</b>					<b>6236050.00</b>
<b>ADD CONTINGENCIES @ 10%</b>					<b>623605.00</b>
<b>TOTAL COST OF THE PROJECT</b>					<b>6859655.00</b>
<b>Note:- The rates quoted includes all other taxes,duties, loading, unloading,transportation,other expenses etc to site.</b>					
<b>GST will be paid additionally as applicable</b>					
		<b>Minu Rai, Architect,</b>			
		<b>Bhopal, October 26th, 2024.</b>			

ELECTRICAL & AC LOAD CALCULATION OF "AMUL" OFFICE AT G.F., F.F. & S.F. A-23, VIDYA NAGAR NARMADAPURAM ROAD, BHOPAL				
S.No.	Particulars	Qty	Watts	Total Watts
1	LED 36 w (2'x2')	36	36	1296.00
2	LED 1X 16 w	87	16	1392.00
3	LED 1 X 12 w	12	12	144.00
4	Bulb (LED)	10	15	150.00
5	5 Amp socket	48	60	2880.00
6	5 Amp SEPRATE	48	60	2880.00
7	15 Amp Socket	48	250	12000.00
8	Fans (Celing + Bracket)	18	60	1080.00
9	Exhaust Fan	8	300	2400.00
10	Single Tube Fittings	13	20	260.00
11	Glow Sign Board	2	40	80.00
12	UPS 1 Nos	1	8000	8000.00
	A.C.'S			
13	3.0 TR Cassatte Unit	3	3900	11700.00
14	2.0 TR Cassatte. Unit	4	2500	10000.00
15	1.0 T AC SPLIT	3	1500	4500.00
16	1.5 T AC SPLIT	2	1800	3600.00
				<b>62362.00</b>
	Additional 10%	0.10	62362.00	6236.20
				<b>68598.20</b>
		OR SAY	KW	68.60
		Minu Rai, Architect,		
		Bhopal,		
		The October 26th, 2024.		

**MEASUREMENTS SHEET OF FURNISHING, ELECTRIFICATION, DATA CABLING & AIR CONDITIONING WORKS  
OF "AMUL " OFFICE AT G.F., F.F. & S.F. A-23, VIDYA NAGAR NARMADAPURAM ROAD, BHOPAL**

**SUB HEAD : ITEMS OF WORK**

S. No.	DESCRIPTION OF ITEM	NOS.	LENGTH	WIDTH	HEIGHT	QUANTITY
<b>1</b>	<b>GYPBOARD FALSE CEILING</b>					
	<b>G.F.</b>					
	ICE CREAM SCOOPING PARLOUR	1	24.58	19.75		485.46
	File storage hall	1	19.00	25.58		486.02
	File storage Room	1	9.58	17.33		166.02
	Toilet front Passage	1	5.66	3.58		20.26
	<b>Deduct for grid ceiling</b>					
	File storage hall	-1	12.00	22.00		-264.00
	File storage Room	-1	6.00	12.00		-72.00
	<b>F.F.</b>					
	Ent.	1	5.58	4.75		26.51
	Reception lobby	1	9.16	11.50		105.34
	Conf. room	1	24.58	12.00		294.96
	B.M. Cabin	1	9.58	11.16		106.91
	W.S. area	1	19.00	26.58		505.02
	Pantry cum passage	1	9.75	9.75		95.06
	Toilet front Passage	1	5.66	3.58		20.26
	<b>Deduct for grid ceiling</b>					
	Conf. room	-1	20.00	8.00		-160.00
	B.M. Cabin	-1	6.00	8.00		-48.00
	W.S. area	-2	4.00	22.00		-176.00
	<b>S.F.</b>					
	Ent.	1	5.58	6.66		37.16
	Meeting room front area	1	6.75	19.00		128.25
	ZCAM Cabin	1	12.33	10.00		123.30
	ZIC Cabin	1	12.00	15.00		180.00
	Meeting room	1	12.00	13.66		163.92
	W.S. area	1	19.00	20.75		394.25
	Server cum passage	1	9.75	9.75		95.06
	Toilet front Passage	1	5.66	3.41		19.30
	<b>Deduct for grid ceiling</b>					
	ZCAM Cabin	-1	8.00	6.00		-48.00
	ZIC Cabin	-1	10.00	8.00		-80.00
	Meeting room	-1	10.00	8.00		-80.00
	W.S. area	-2	4.00	18.00		-144.00
						2381.07
		<b>TOTAL QUANTITY (Round off) =</b>			<b>SQ.MT.</b>	<b>221.29</b>
<b>2</b>	<b>Cove in ceiling :</b>					
	<b>G.F.</b>					
	File storage hall	2	12.00			24.00
		2		22.00		44.00
	File storage Room	2	6.00			12.00
		2		12.00		24.00
	ICE CREAM SCOOPING PARLOUR	2	20.66			41.32
		2		8.25		16.50
	<b>F.F.</b>					
	Conf. room	2	20.00			40.00
		2		8.00		16.00
	B.M. Cabin	2	6.00			12.00
		2		8.00		16.00
	W.S. area	4	4.00			16.00
		4		22.00		88.00
	Reception area	2	5.66			11.32

		2		9.50		19.00
	<b>S.F.</b>					
	ZCAM Cabin	2	8.00			16.00
		2		6.00		12.00
	ZIC Cabin	2	10.00			20.00
		2		8.00		16.00
	Meeting room	2	10.00			20.00
		2		8.00		16.00
	W.S. area	4	4.00			16.00
		4		18.00		72.00
	Meeting room front area	2	4.00			8.00
		2		16.66		33.32
						609.46
		<b>TOTAL QUANTITY (Round off) =</b>			<b>R.MT.</b>	<b>185.81</b>
<b>3</b>	<b>MINERAL FIBER TILES FALSE CEILING</b>					
	<b>G.F.</b>					
	File storage hall	1	12.00	22.00		264.00
	File storage Room	1	6.00	12.00		72.00
	<b>F.F.</b>					
	Conf. room	1	20.00	8.00		160.00
	B.M. Cabin	1	6.00	8.00		48.00
	W.S. area	2	4.00	22.00		176.00
	<b>S.F.</b>					
	ZCAM Cabin	1	8.00	6.00		48.00
	ZIC Cabin	1	10.00	8.00		80.00
	Meeting room	1	10.00	8.00		80.00
	W.S. area	2	4.00	18.00		144.00
						1072.00
		<b>TOTAL QUANTITY (Round off) =</b>			<b>SQ.MT.</b>	<b>99.63</b>
<b>4</b>	<b>FALSE CEILING IN PLY WITH LAMINATE</b>					
	<b>F.F.</b>					
	Conf. room a.c. box	1	4.66	4.66		21.72
	Reception lobby	1	5.66	10.00		56.60
	W.S. area	1	5.00	21.50		107.50
	<b>S.F.</b>					
	Meeting room front area	1	4.00	16.66		66.64
	W.S. area	1	5.00	20.00		100.00
						352.46
		<b>TOTAL QUANTITY (Round off) =</b>			<b>SQ.MT.</b>	<b>32.76</b>
<b>5</b>	<b>FULL HEIGHT PARTLY GLAZED PARTITIONS (WITH ALUMINUM FRAMEWORK)</b>					
	<b>G.F.</b>					
	ICE CREAM SCOOPING PARLOUR Storage Partition	1	19.00	9.00		171.00
	<b>F.F.</b>					
	Conf. room long	1	24.58	9.00		221.22
	Deduct for door	-1	3.25	7.00		-22.75
	B.M. Cabin long Partitions	1	11.50	9.00		103.50
	B.M. Cabin short Partitions	1	10.00	9.00		90.00
	Deduct for door	-1	3.00	7.00		-21.00
	Pantry	1	9.75	9.00		87.75
	Deduct for door	-1	3.00	7.00		-21.00
	<b>S.F.</b>					
	ZCAM Cabin	1	12.33	9.00		110.97
	Deduct for door	-1	3.00	7.00		-21.00
	ZIC Cabin	1	12.00	9.00		108.00
	ZIC Cabin	1	15.00	9.00		135.00
	Deduct for door	-1	3.00	7.00		-21.00

	Meeting room	1	12.00	9.00		108.00
	Meeting room	1	13.66	9.00		122.94
	Deduct for door	-1	3.00	7.00		-21.00
	Server room	1	9.75	9.00		87.75
	Deduct for door	-1	3.00	7.00		-21.00
						1197.38
		TOTAL QUANTITY (Round off) =			SQ.MT.	111.28
<b>6</b>	<b>Low Height partitions With / Without Glass :</b>					
	FIRST FLOOR W.S. Partitions	2	15.00	4.00		120.00
	SECOND FLOOR W.S. Partitions	1	15.00	4.00		60.00
						180.00
		TOTAL QUANTITY (Round off) =			SQ.MT.	16.73
<b>7</b>	<b>Wall/Column Panelling</b>					
	<b>G.F.</b>					
	L.H.S. & R.H.S. WALLS	2	11.16	8.50		189.72
	<b>F.F.</b>					
	Ent. L.H.S. Wall	1	5.58	4.00		22.32
	Reception side long wall	1	38.00	4.00		152.00
	Deduct for ent. Door area add 50% area side edges	-0.5	3.25	7.00		-11.38
	W.S. Area last wall	1	19.00	4.00		76.00
	W.S. Area window side wall	1	26.58	4.00		106.32
	Columns edges	8	0.66	4.00		21.12
	Conf. room long wall	1	24.58	8.50		208.93
	Deduct for GLAZING AREA	-1	23.00	4.00		-92.00
	Conf. room short walls	2	12.00	8.50		204.00
	B.M. Cabin	1	11.16	8.50		94.86
	<b>S.F.</b>					
	Ent. L.H.S. Wall	1	5.58	4.00		22.32
	Passage long wall	1	39.58	4.00		158.32
	Deduct for ent. Door area add 50% area side edges	-0.5	3.25	7.00		-11.38
	W.S. Area last wall	1	19.00	4.00		76.00
	W.S. Area window side wall	1	20.75	4.00		83.00
	Columns edges	6	0.66	4.00		15.84
	Meeting room	1	13.66	8.50		116.11
	Columns edges	4	0.66	4.00		10.56
	ZIC Cabin	1	15.00	8.50		127.50
	ZIC Cabin	1	12.00	8.50		102.00
	Deduct for GLAZING AREA	-1	11.00	4.00		-44.00
	ZCAM Cabin	1	10.00	8.50		85.00
	ZCAM Cabin	1	12.33	8.50		104.81
	Deduct for GLAZING AREA	-1	11.00	4.00		-44.00
						1773.98
		TOTAL QUANTITY (Round off) =			SQ.MT.	164.87
<b>8</b>	<b>ACP PANELLING ( WITH ALUMINUM FRAME WORK )</b>					
	Main Ent. Rolling shutter box front and bottom	1	25.66		4.00	102.64
	Rolling shutter box sides	2	1.50		3.00	9.00
	Columns	3	1.50		8.00	36.00
	Lintel beam front bottom sidess	1	23.50		4.50	105.75
	Front slab bottom	1	35.50	5.00		177.50
	Front slab projection	1	35.50		2.00	71.00
						501.89
		TOTAL QUANTITY (Round off) =			SQ.MT.	46.64
<b>9</b>	<b>Cabinet for Electric Panel :</b>					
	Electrical Panel	1	6.00		8.00	48.00
		TOTAL QUANTITY (Round off) =			SQ.MT.	4.46

<b>10</b>	<b>Main Door – Toughned Glass :</b>					
	<b>G.F.</b>					
	ICE CREAM SCOOPING PARLOUR	1	3.25	7.00		22.75
	<b>F.F.</b>					
	Ent. Door	1	3.25	7.00		22.75
	Conf. room	1	3.25	7.00		22.75
	B.M. Cabin	1	6.00	8.00		48.00
	<b>S.F.</b>					
	Ent. Door	1	3.25	7.00		22.75
	ZCAM Cabin	1	3.00	7.00		21.00
	ZIC Cabin	1	3.00	7.00		21.00
	Meeting room	1	3.00	7.00		21.00
						202.00
		<b>TOTAL QUANTITY (Round off) =</b>			<b>SQ.MT.</b>	<b>18.77</b>
<b>11</b>	<b>Flush Door / Glazed Door :</b>					
	<b>G.F.</b>					
	ICE CREAM SCOOPING PARLOUR	1	3.25	7.00		22.75
	<b>F.F.</b>					
	Ent. Door	1	3.25	7.00		22.75
	Conf. room	1	3.25	7.00		22.75
	B.M. Cabin	1	6.00	8.00		48.00
	<b>S.F.</b>					
	Ent. Door	1	3.25	7.00		22.75
	ZCAM Cabin	1	3.00	7.00		21.00
	ZIC Cabin	1	3.00	7.00		21.00
	Meeting room	1	3.00	7.00		21.00
						202.00
		<b>TOTAL QUANTITY (Round off) =</b>			<b>SQ.MT.</b>	<b>18.77</b>
<b>12</b>	<b>Toughened Glass Front Partition Glazing :</b>					
	ICE CREAM SCOOPING PARLOUR	1	11.00		8.00	88.00
	Glazing	1	8.00		8.00	64.00
	Door top	1	3.25		1.00	3.25
						155.25
		<b>TOTAL QUANTITY (Round off) =</b>			<b>SQ.MT.</b>	<b>14.43</b>
<b>21</b>	<b>Side Credenza :</b>					
	<b>F.F.</b>					
	B.M. Cabin	1	3.50	2.50		8.75
	<b>S.F.</b>					
	ZCAM Cabin	1	3.50	2.50		8.75
	ZIC Cabin	1	4.33	2.50		10.83
						28.33
		<b>TOTAL QUANTITY (Round off) =</b>			<b>SQ.MT.</b>	<b>2.63</b>
<b>22</b>	<b>Back Credenza</b>					
	<b>F.F.</b>					
	B.M. Cabin	1	9.50	2.50		23.75
	<b>S.F.</b>					
	ZCAM Cabin	1	10.00	2.50		25.00
	ZIC Cabin	1	12.00	2.50		30.00
	Ent. Door side	1	5.66	2.50		14.15
						92.90
		<b>TOTAL QUANTITY (Round off) =</b>			<b>SQ.MT.</b>	<b>8.63</b>
<b>23</b>	<b>Full Ht. Storage and DSIPLAY CABINETS 40 CM. WIDE</b>					
	File storage	6	13.00	8.00		624.00
	ICE CREAM SCOOPING PARLOUR Product display	1	19.00	8.33		158.27
	Product display	1	12.00	8.33		99.96
						882.23
		<b>TOTAL QUANTITY (Round off) =</b>			<b>SQ.MT.</b>	<b>81.99</b>

24	<b>Roller Blinds :</b>					
	<b>F.F.</b>					
	Conf. room outer glass	1	24.00	5.00		120.00
	Conf. room	1	8.00	5.00		40.00
	B.M. Cabin	1	5.00	4.50		22.50
	B.M. Cabin	1	6.00	4.50		27.00
	W.S. area window	2	7.00	4.50		63.00
	<b>S.F.</b>					
	ZCAM & zic outer glass	1	24.00	5.00		120.00
	ZIC Cabin	1	6.00	4.50		27.00
	Meeting room	1	7.00	4.50		31.50
	W.S. area window	2	4.00	18.00		144.00
						595.00
		<b>TOTAL QUANTITY (Round off) =</b>			<b>SQ.MT.</b>	<b>55.30</b>
25	<b>Laminated wooden flooring :</b>					
	<b>F.F.</b>					
	Conf. room	1	24.58	12.00		294.96
	Skirting	2	24.58		0.33	16.22
	Skirting	2		12.00	0.33	7.92
	B.M. Cabin	1	9.58	11.16		106.91
	Skirting	2	9.58		0.33	6.32
	Skirting	2		11.16	0.33	7.37
	<b>S.F.</b>					
	ZCAM Cabin	1	12.33	10.00		123.30
	Skirting	1	12.33			12.33
	Skirting	1		10.00		10.00
	ZIC Cabin	1	12.00	15.00		180.00
	Skirting	2	12.00		<b>0.33</b>	7.92
	Skirting	2		15.00	<b>0.33</b>	9.90
	Meeting room	1	12.00	13.66		163.92
	Skirting	2	12.00		<b>0.33</b>	7.92
	Skirting	2		13.66	<b>0.33</b>	9.02
						964.01
		<b>TOTAL QUANTITY (Round off) =</b>			<b>SQ.MT.</b>	<b>89.59</b>
			<b>Minu Rai, Architect</b> For : Minu & Sharat Associates. The October 26th, 2024.			