

GENERAL SUMMARY FOR THE WORKS OF <b>PURAH BRANCH</b> OF <b>INDIAN BANK</b> as on		
<b>SI No.</b>	<b>Item Description</b>	<b>Amount</b>
1	Interior work (erection of counters / wooden partition / door / false ceiling /storage/ Column panelling etc )	
2	Electrical works ( Panel boards / cabling / wiring /switch gear / earthing )	
4	Furniture and Electrical fittings / Installation ( Tables/ Low ht. Cabinets/ Light fittings / Fan / Exhaust fan/DBs etc.)	
7	Residual / Miscellaneous ( Standing Ledge/ Cheque Drop Box/ Mirror / notice board / vertical blinds )	
	<b>TOTAL (A)</b>	
	<b>Less Buyback</b>	
	<b>Gross Total</b>	
10	<b>GST -18%</b>	
	<b>GRAND TOTAL</b>	

ESTIMATION PREPARED BY

ARCHITECT				INDIAN BANK PURAH BRANCH	
BURMAN ET.AL					
SCHEDULE OF SPECIFICATIONS AND QUANTITIES FOR INTERNAL FURNISHING WORKS OF PURA BRANCH FOR INDIAN BANK					
SI.No	PARTICULARS	QTY	UNIT	RATE	AMOUNT
1 .	FALSE CEILING (Gypsum board and 2'x2' grid ceiling )				
	A.FALSE CEILING (GYPSUM BOARD) : Providing & Fixing gypsum board false ceiling system in 2 steps / In combination the grid ceiling tiles ceiling vertical profile using 12.5mm gypsum plaster board on G.I.metal frame work. The frame work made up of perimeter channels of 20 x 27x 30x 3657mm fixed on wall & partitions and ceiling sections of 80 x 26 x 0.5x 3657mm as a cross member provided at 457mm c/c and the intermediate channel of 15x 45x.09 x 3657mm as a main runner at 1220mm c/c suspended by means of G.I.angle 25 x 25 x .05 mm from the existing ceiling by means of M.S. rawl plug with bolts/screws at 1200 mm c/c max. The joints of gypsum board to be taped 3 times and sealed with jointing compound. Finished with one coat of primer and min 3 coats colour or matching spectrum colour complete as per detail and specifications in drawing incl. all lights, diffuser cuttings complete. Rate to include the drops also.	710	sft		
	B. FALSE CEILING (GRID) : Providing & fixing Grid false ceiling tiles with 12mm thick mineral fibre acoustic tiles with crisp finely granulated surface in bright colour Prima regular Fine Fissured RH 99 with Aluminium 24mm exposed grid Tee section, exposed face shall be powder coated (white), main runner shall be Tee-shape section with single rotary stitching of size 24 x 38mm , 3.6m long with cross runner of tee shape section with single rotary stitching of size 24x30mm @1.2m with 24 x 25mm runner @ 0.60m c/c, with AL. section suspenders, perimeter channel of size 22 x 22mm (white) all complete in all respect as per manufacturer's specifications.	160	sft		
2 .	PARTITION				

	Providing and fixing partition in position as per design with 2"x2" sal wood finished section frame work @ 2'-0" c/c both ways screwed to the floor and ceiling with M.S. Cleats and to be treated with anti termite oil. The measurement will be taken up to the false ceiling visible height in case of full height partition but framework to be taken up to the ceiling or soffit of beam level. The frame work will be cladded with 6mm thk. commercial plywood both side and to be finished with approved 1.0 mm laminate as per design with approved band adhesive, extra frame work to be fixed for fixing glass. in the glazed partition 10 mm thk. clear float glass with Etching/ sand blusting/ granular blasting to be provided duly fixed with white beach/white cedar lipping 50 mm x 25 mm all complete duly reddish brown/ rose wood colour polish with melamine finish. The work should be completed as per specification, design & approval of the Architect. For the door 32 mm solid core bwp Flush door with a frame work of white beach/ white cedar size 75 mm x 62.5 mm with necessary hold fast fixed to the wall/partition, finished with 1.0 mm laminate and lipping in all sides and 1.5" x 1.5" white beach/ white cedar wooden moulding to be provided along the periferi of the door frame. supplying and fixing door accessories as door closure, brass hinges, Cylindrical / Night latch locks and s.s handle. (Laminated skirting of 4" ht. as per approved colour to be placed all around the partition)				
<b>2.A.</b>	Partly glazed partition				
<b>a</b>	Partly glazed partition upto 4' ht ,	72	sft		
<b>b</b>	Partly solid and partly glazed partition 7' ht for Managers cabin	330	sft		
<b>c</b>	Partly glazed partition upto 7' ht for cash cabins ,Server Rm with sliding door and side with top of entrance	242	sft		
<b>d</b>	Block partition upto the bottom of ceiling	217	sft		
<b>d</b>	10 mm th.. <b>TOUGHEND GLASS</b> at cash counter at front with 3" dia central gap for communication and 2.5" gap throughout at the bottom of the glass .	18	sft		
<b>3 .</b>	<b>Main Entrance Door</b>				
	Providing and fixing glass door -2 way - <b>6' x 7'</b> for main entrance of branch - . A white beach wood frame size-6" x 2" as top and bottom rail with a decorative handle of 600 mm of approved brand, floor spring , locks, etc all complete. 12 mm thk. etched glass and <b>INDIAN BANK</b> logo to be provided and edge should be machine beveled polished. the work to be completed as per design and specification of the architect all complete. the wooden portion to be duly melamine polished.	32	sft		
	<b>TABLE</b>				
	Providing and fixing tables made out of 18 mmth. commercial blockboard of approved make cladded with 1.0mm laminate (color with vertical grain ) as per design in all visible areas. All the exposed edges to be covered with wooden lippings and mouldings to be beachwood colour finish The drawers are to be made out of 18 mm				

4	<p>beachwood colour finish. The drawers are to be made out of 18 mm thk. plywood duly 1.0 thk. laminated in the front, sides to be made out of 18 mm blockboard and bottom to be made out of 6 mm BWP and termiteproof plywood and it should play in drawer telescopic sliding channels. The inside of the drawer and the table to be duly polished. A legrest to be provided duly polished made out of 18mm thk. commercial blockboard. A shutter to be made by 18mm th. blockboard clad with 1.0mm laminate. The necessary locks handles to be provided in each drawers and shutters. The table should have key board tray and ups trolley. The necessary wire managers to be provided on the tables and provision for lights to be kept in the front of the table. CPU to be fixed with the table at the bottom and it should not be placed on the floor or on the trolley. The work to be completed as per design and approval of Architect.</p>				
	12 mm th. clear glass on top of branch manager table and other officers table				
a	Branch Manager ---3' x 6'	1	NOS		
b	Officers table -- 5' x 2'6"	1	NOS		
c	Running/Utility	4	RFT		
5.	<b>Cash / Open Counter</b>				
a	<p>Providing and fixing top, front &amp; side of cash counter made out of 18 mm BWP and termite proof blockboard as per design clad with 1.0 mm thk. Laminated on side and front &amp; the edges to be finished with necessary white beach or white cedar lippings, mouldings, etc. Special 6" drawer to be made for the cash with dividers of 12 mm plywood. the front of the drawer made out of 18mm blockboard finished with 1.0 mm laminate, sides 12 mm th. plywood and bottom to be made of 6 mm plywood. the inside and sides of the drawer to be duly polished. The drawers and shutters to be provided with necessary drawer sliding channels, hinges, locks etc.</p>	2	Nos		
	<p>A leg rest to be provided made out of 18 mm thk. blockboard duly polished. Inside of the unit to be polished in the matching tone. All visible areas to be covered with beach or cedar lippings, mouldings with reddish brown colour polish. Wire manager, CPU trolley, keyboard tray to be provided. 4" ht. laminated skirting to be provided in all visible areas and 12 mm thk. x 18" wide Plain Glass to be provided at counter top customer face horizontally at 3'-9" lvl. The work should be completed as per specification. Cash counter --- 9 rft Open counter --</p>				
b	12 rft (spec. same as above).		rft		
6.	<b>Side Units : Low ht. Cabinet</b>				
a	<p>Providing and fixing Side Unit/Back Unit made out of 18 mm th. commercial blockboard finished with 1.0mm laminate in all exposed areas. The drawers to be made out of 18 mm commercial blockboard in the front clad with 1.0 mm laminate, side to be made out of 12 mm plywood and bottom made out of 6mm plywood duly painted in matching tone and it should play on drawer sliding channels. The shutters to be made out of 18mm blockboard and</p>				

	channels. The shutters to be made out of 18mm blockboard and should play on drawer sliding castors on powder coated channels. The necessary locks, handles, etc to be provided. 4" laminated skirting to be provided all along the visible areas. Inside of the unit to be enamel painted of reddish brown colour and matching tone. All the exposed edges of the boards/plywoods to be covered with wooden lippings/mouldings duly polished all complete. The work to be completed as per approval and specification of the Architect. (3'-3" ) x 2'-6"ht. -- low ht. ( 3'-6" + 8'-6" ) x 3'-6" ht ---low ht ( 2'-6" + 2'-6" ) 8' ht ----- full ht. 5'-6" x 4' ----- electrical panel board	220	sft		
<b>7.</b>	<b>Standing Writing Ledge</b>				
	Providing and fixing writing ledge with 10" wide as per design made out 18mm blockboard with necessary groove patterns 1.0mm laminate (color, vertical grain ) to be cladded. 12 mm thk. machine polished glass to be provided on top of the writing ledge. Small boxes to be made out of 18 mm th. blockboard to be made on top of the writing ledge finished with 1.0 mm laminate , inside enamel painted. The ledge finished with 1.0mm laminate, inside enamel painted. The work to be completed as per design and approval of the Architect. -	1			
<b>8</b>	<b>Roller Blinds</b>				
	Providing and fixing roller blinds of approvaed shade. The rate shall include necessary scoch guard treatment on both side. The work to be completed as par specification and approval of the Architect.	40	Sft		
<b>9</b>	<b>Synthetic Door Mat</b>				
	Providing and fixing synthetic door mat 6 mm thk. As per approval of the Architect.				
<b>10</b>	<b>Notice board</b>				
	Providing and fixing soft board with necessary frame work with 12 mm bwr plywood on top jolly board to be fixed finished with fabric @ Rs. 100, with necessary moulding duly polished along the periphery.	16	sft		
<b>11</b>	<b>Complain and Cheque drop box</b>				
	Providing & fixing Sal wood frame, fixing of 12 mm plywood with 1 mm thk. laminate finish, openable shutter for outside area. 8"wide x 18" length x 15"ht x 2 nos	2			
<b>12</b>	<b>Wall and Column panelling</b>				
	Providing and fixing partition for wall and column paneling as per design with 2" x 1.5" sal wood frame work fixed to the column and wall. The frame work will be cladded with 6 mm thk. BWP and termite proof plywood and to be finished with approved 1.0 mm laminate as par design with approved band adhesive, extra frame work to be fixed for fixing glass. In the glazed partition 6 mm thk. Modiguard / Saint Gobain clear mirror glass to be provided duly fixed with White beach/White cedar lipping 50 mm x 25 mm all	200			

	complete duly reddish brown colour polished with Melamine finish. The work should be completed as per specification, design & approval of the Architect. <b>Wall ---Mirror portion - 40 sft</b>				
	<b>TOTAL</b>				
	<b>GRAND TOTAL</b>				

**Electrical BOQ FOR PURAH BRANCH**

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
<b>A.</b>	<b>POINTS &amp; WIRING</b>				
<b>1.</b>	<b>LIGHTS POINTS</b>				
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc. (wherever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multistranded copper conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete.				
	(Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				
i	Primary points controlled by one 6 amp. Modular switch.	Nos.	18		
ii	Secondary light points controlled by one 6 amp. Modular switch.	Nos.	12		
iii	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	1		
iv	One wall fan/ ceiling/ exhaust fan point with 6 amp 3pin socket controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	8		
v	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc. Dependent	Nos.	15		
vi	Same as serial no 1 but using 2*2.5 + 1*2.5 Sq.mm 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 Sq.mm copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).				
a	Primary Point	Nos.	18		
b	Secondary Point looped	Nos.	12		
<b>2</b>	<b>POWER POINTS</b>				
	Same as serial no.1, but wiring for 16 Amp, 6-pin sockets by using 2*4 sq.mm. PVC				
a)	Primary Point	Nos.	10		
b)	Secondary Point	Nos.	5		
<b>3</b>	<b>AC POINTS FOR INDOOR &amp; OUTDOOR UNITS</b>				

3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box (tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	7		
3(b)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire of weather proof type AC box with socket complete in all respects controlled by 25 A MCB to be provided near outdoor unit. The point starts from DB to the point near the outdoor unit.	Nos.	0		
<b>4</b>	<b>COMPUTER POINTS</b>				
a	Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular switch with all accessories, inner/ outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator and sockets under the counter b) Same as above but looped from the above 1st point to 2nd, point and 2nd point to 3rd point. (Maximum 3 points in a circuit)				
	Primary Points	Nos.	10		
	Secondary Points	Nos.	3		
b	Wiring with 2x2.5 sq.mm + 1x2.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wires in 2mmthick PVC conduit from UPS DB to computer point. Each point to have 1 nos. 16 amps 5 pin modular type sockets, 1 No's 16 amps modular switch with all accessories, inner/ outer plates , metal box etc and to be fixed on wooden partitions/ by grouting on wall etc as per requirement at site. The switch should be fixed above the top of counter and sockets under the counter. or as directed by the engineer in charge for the rack supply in PA rack, CCTV b) Same as above but looped from the above 1st point to 2nd point (Maximum 2 points in a circuit)				
	Primary Points	Nos.	0		
	Secondary Points	Nos.	0		
	<b>PART (A) SUB TOTAL</b>				
<b>B.</b>	<b>CONDUITING FOR TELEPHONE, COMPUTER &amp; CONDUITING, WIRING FOR T.V. SYSTEM.</b>				
<b>1.0</b>	<b>TELEPHONE SYSTEM</b>				



1.1	Wiring for VOICE from Jack Panel in data rack to computer workstation with Cat-6 voice cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	10		
1.2	Supplying, laying, effecting terminations, testing and commissioning of 0.51 mm dia Cu. Conductor, twisted, colour coded with polythene capor barrier, telephone cables in the existing tray or in conduit including providing &fixing conduit pipe or cable tray as required from building tag block to the floor as required.				
a)	Supplying & fixing 20 pair krone tag block with enclosure.	Nos.	2		
b)	P/L 20 Pair of PVC insulated PVC sheathed multi core jelly filled armored telephone.	Mtr.	186		
c)	Panasonic Electronic Modular Switching System MODEL NS-300 (Digital IP PBX SYSTEM) For 6 CO Lines 2 Digital Extension and 16 Extensions, with DISA Greeting Message and Extension Caller ID Expandable upto 6 co & 32 Extensions.	Nos	1		
d)	MDF with Krone Modules 50 pairs with connector	Nos	2		
<b>2.0</b>	<b>COMPUTER NETWORKING</b>				
2.1	Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.			
2.2	Supplying and fixing 9 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.			
2.3	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.			
2.4	Supplying and fixing Patch Cord-2 Meter- (DBPSMounting Cord)	Nos.			
2.5	Supplying and fixing Patch Cord-1 Meter-	Nos.			
3.0	Supply and fixing of 1.6 mm thick G.I. Box along with RG 6 T.V Co axial socket with Cover Plate.	Nos.			
4.0	Supply, drawing, connecting, testing and commissioning of T.V Coaxial cable RG 6 in existing conduit.	RM			
	<b>PART ( B) SUB TOTAL</b>				
<b>C.</b>	<b>CABLES, MAINS &amp; SUBMAINS</b>				
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and plastering the floor level to original. Conduit must be 30 mm below the floor finish level.				
i	2 X 4 sq.mm. + 1 X 4 sq.mm.	RM	48		
ii	2 X 6 sq.mm. + 1 X 6 sq.mm.	RM	48		

iii	2 X 10 sq.mm. + 1 X 6 sq.mm. (Branch UPS DB)	RM	48		
iv	1 X 10 sq.mm. Cu wire for earthing. (UPS Input/Output)	RM	72		
v	Supplying, laying, testing & commissioning of 4 C X 10 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 (Light DB).	RM	0		
vi	Supplying, laying, testing & commissioning of 4 C X 25 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 (Power + AC DB).	RM	32		
vii	Supplying, laying, testing & commissioning of 3.5 C x 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armored cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories , Clampsetc. as required as per specification. (Mains)	RM	32		
<b>PART (C ) SUB TOTAL</b>					
<b>D.</b>	<b>DISTRIBUTION BOARD</b>				
	Supplying, installing, testing & commissioning of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required.				
	Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B,C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load.				
	Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A.				
	UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link.				
	All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating.				
	Inside each DB, a DB chart is to be fixed.				
a	<b>4-way TPN DB (LIGHT DB)</b>	No.	1		
	<b>Incomer:-</b>				

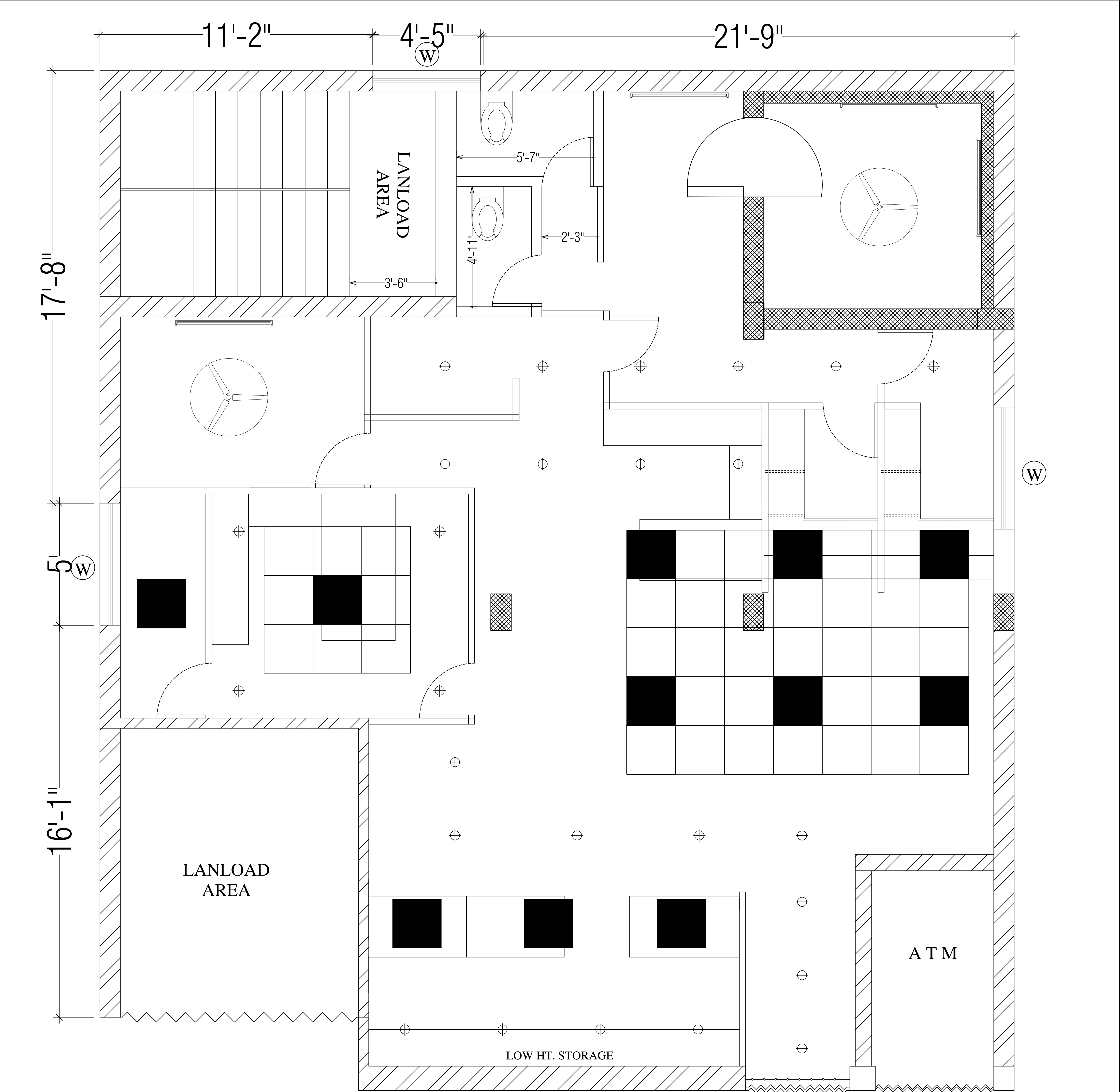
	1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	<b>Outgoing:-</b>				
	6 Nos.6/10 Amp (10 KA) SP MCB				
b	<b>4-way TPN DB (Power DB)</b>	No.	1		
	<b>Incomer :-</b>				
	1 No. 63 Amp TPN (10 KA) MCB with 63 A DP RCCB (100 MA) each phase				
	<b>Outgoing :-</b>				
	6 Nos. 10/16/25/32 Amp (10 KA) SP MCB				
c	<b>4-way TPN DB (AC DB)</b>	No.	1		
	<b>Incomer :-</b>				
	1 No. 63 Amp TPN (10 KA) MCB with 63 A DP RCCB (100 MA) each phase				
	<b>Outgoing :-</b>				
	6 Nos. 10/16/25/32 Amp (10 KA) SP MCB				
d	<b>4-way SPN DB with 2 Nos. 40 A (10 KA) DP MCB (For UPS Input)</b>	No.	1		
e	<b>(2+8)-way SPN DB (For UPS Sub DB)</b>	No.	1		
	<b>Incomer:-</b>				
	1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)				
	<b>Outgoing:-</b>				
	6 Nos.6/10/16/25Amp (10 KA) SP MCB				
f	8 Way SPN DB for E- Lobby complete with lock & Key Arrangement with 40A DP MCB & 32 A DP RCCB (100 mA) and Outgoing as 4 No's of 6/10/16/25/32 A SP MCB as directed by the engineer in charge for E-Lobby AC- 2 No's and Light.	Nos.	0		
g	6 Way SPN DB for E- Lobby complete with lock & Key Arrangement with 25 A DP MCB & 25 A DP RCCB (100 mA) and Outgoing as 4 No's of 6/10/16/ SP MCB as directed by the engineer in charge for E- Lobby UPS points.	Nos.	0		
	<b>PART ( D ) SUB TOTAL</b>				
E	<b>(LIGHT FITTINGS &amp; ACCESSORIES)</b>				

	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixtures should be covered with minimum 3 Years onsite replacement warranty).				
i	LED 18 W tube 4'-0" As specified in tender document or approved by	Nos.	6		
	SBIIMS/Architect.				
ii	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by SBIIMS/Architect.	Nos.	11		
iii	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by SBIIMS/Architect.	Nos.	26		
iv	LED Strip for cove lighting 15 W per 5 M with driver and necessary installation fittings Led strip light (5 mtr.) make as specified in tender document or approved by SBIIMS/Architect.	Nos.	0		
v	Supply, installation, testing and commissioning of following fans with all fixing materials like white Polycarbonate 2 mm Hylem sheet cover, down rods, fan box as required etc. all complete as per the directions of Engineer-in-charge.				
a	Wall mounted fans (METAL BODY) 400 mm dia. make As specified in tender document or approved by concerned office in charge.	Nos.	8		
b	Supply & fixing of 230 mm exhaust fan 'Ventilair DX W' with self-closing louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by concerned office in charge.	Nos.	2		
	<b>PART (E) SUB TOTAL</b>				
<b>F.</b>	<b>EARTHING SYSTEM</b>				
1	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copperbonded rod of 10 feet length, 23 mm dia. (Minimum copper bonding shall be 0.25mm) along with Rod- to Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	1		
2	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper bonded rod of 10 feet length, 17.2 mm dia. (Minimum copper bonding shall be 0.25 mm) along with Rod-to- Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	1		
3	Providing and fixing of Copper/ GI strips in surface or in recess for loop earthing etc. as required.				
i	25 mm x 3 mm copper strip in B-class GI pipe	RM	16		
ii	25 mm x 5 mm GI strip	RM	22		

iii	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.	RM	17		
	<b>PART (F) SUB TOTAL</b>				
<b>G.</b>	<b>MAIN PANEL AND METER BOARD</b>				
	Designing, fabrication, supply, installation, testing and commissioning of front operated cubicle type compartmentalized, front access, free standing on 75MM "I" MS channel, dust and vermin proof (IP 42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for fault level of required value symmetrical at 415V fabricated from 2mm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) lockable doors having structural reinforcement including 3mm thick gland plates on top and bottom, lifting hooks, GI earth strip of required size with 2 no's earth terminals, 2 no's 230V AC operated 250 mm X 250 mm size axial fans for exhaust of heat with On-Off toggle switches including 2 coated primer and 2 power coated paint finish of approved shade over metal surface cleaned and treated with seven tank process complete with interconnections etc. as per specifications as required. Main panel board of approved make (Should be CPRI Approved, Type of Approval as instructed by the concerned office in charge)				
	As per the following specifications, (Part IV - Substation) and IS: 8623 comprising of followings panel mounting switchgears etc. as required, should be CPRI Approved.IS: 8623 comprising of followings panel mounting switchgears etc. as required, should be CPRI Approved. Note: Type of CPRI testing shall be as per Architect/ Bank's instructions. All switchgears shall have provision for entry of cables from the top or bottom through Cable Alley.				
	All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The busbars insulation shall be with heat shrinkable sleeves SMC/ DMC shrouds and busbar supports shall be used. Padlocking facility shall be provided on all outgoing feeders' doors and switch handles shall be lockable in OFF position.				
	Suitable arrangement shall be made for termination of multiple incoming cables.				
	All KA values indicated shall be ICS breaking capacity				
	GA drawings shall be got approved by concerned office in charge.				
a.	Floor panel shall consists of :-				
	<b>INCOMER</b>				
	1 no. 100 Amp 4P On Load Change over switch with 1 No. 100 Amps, TPN MCCB (25 KA) with extendable rotary handle each thermal over current, instantaneous, Short circuit release, Earth fault.				

	<b>BUSBARS</b>				
	125 amps TPN pole bus bar chamber of suitable length with copper bus bars. All bus bars and interconnections shall be of suitable size copper strips.	Set	1		
b.	<b>INDICATING PANEL</b>				
	Digital flush type class-1.0 accuracy multifunction meter showing V, A, PF etc. with 3 Nos. Current Transformers of 125/5A ratio, 15 VA Class-1.0 metering. - 1 sets				
	Red/Green/Amber ON/ OFF/ TRIP indicating lamps with 2A SP MCB backup protection.				
	1 set of three phase indicating lamps along with 2A SP MCB backup protection.				
	Restricted Earth fault relay with 3 Nos. current transformers of 125/5 ratio, 15 VA Class 5P 10				
	Under voltage, Overvoltage & phase reversal relay for persisted voltage of 105-180% & 20-95% of rated voltage (Numeric Relay not required).				
	<b>OUTGOINGS:-</b>				
	2 Nos 40 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For Light DB & Spare)				
	3 Nos 40 A DP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars.				
	2 Nos 63 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (for AC and Power DB)				
	The electrical panel as described above and specifications complete.	Set	1		
	<b>PART (G) SUB TOTAL</b>				
<b>H</b>	<b>PUBLIC ADDRESSING SYSTEM</b>				
1	Supply and laying Wiring of 1.5 sq. mm twin core shielded type of speaker cable with Providing and fixing in position the following FRLS PVC conduits including all accessories concealed/ exposed in Ceiling/ Wall complete as required including 1.6/2.0 mm thick PVC junction or pull boxes with 3 mm thick Perspex sheet cover plate complete with 1.6 mm dia G.I. pull wires in the length of conduit.	RM			
2	Providing and fixing in position the following G.I. flexible conduits including all accessories				
a.	1.6 mm wall thickness 20 mm dia	RM			
3	Supply, installation, testing and commissioning of following Philips/BOSCH or equivalent make Music Accessories/ Equipment's.				
a.	Ceiling Speaker Unit 6 Watts LHM	Nos.			
b.	Power Amplifier, 50 Watts with output transformer etc. complete. Plena Range or as approved by the Bank. Capable of taking inputs from USB etc.	Nos.			

c.	9U Equipment Rack complete with mounting unit, speaker, power supply control etc. President make suitable for 1x70 watts amplifier system With all terminating set up.	Nos.			
	<b>PART (H) SUB TOTAL</b>				
	<b>PART (H) SUBTOTAL INCLUDING GST</b>				
<b>I</b>	<b>OUTDOOR TYPE GLOW SIGN BOARD WIRING</b>				
a.	Supply laying of Main line with 2x2.5 + 1x 1.5 Sq.mm through MS conduit from main panel	Mtr.	15		
b.	To Glow Sign Board				
	Supply installation of 16 Amp. DP MCB at main entrance Glow sign Board with Timer of reputed make	Nos.	1		
	<b>PART ( I ) SUB TOTAL</b>				
<b>J</b>	<b>GENSET WIRING</b>				
a.	Supply laying fixing Main power with ( <b>3.5 core 35 Sq.mm/As per requirement &amp; load calculation of DG Set</b> ) PVC insulated,PVC sheathed ( <b>Alu/CU conductor/Selection based on Load requirement</b> ) ,1100 V, grade armoured cable complete with 02 nos. <b>8 SWG bear GI wire/ As per requirement &amp; load calculation of DG Set</b>	Mtr.	32		
b.	End termination of 3.5 core 50 Sq.mm armoured cable, complete with brass	Nos.	2		
	cable Gland, Alu Lug, PVC tape ( <b>Selection based on Load Analysis/ As per requirement &amp; load calculation of DG Set/Standard IS Rule</b> )				
	<b>PART ( J ) SUB TOTAL</b>				
	<b>GROSS SUB TOTAL (PART A + PART B + PART C + PART D + PART E + PART F + PART G + PART H + PART I + PART J)</b>				
	<b>GRAND TOTAL AMOUNT</b>				



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