
INDIAN BANK

ZONAL OFFICE, KOLKATA CENTRAL
14 NO. INDIA EXCHANGE PLACE

FINANCIAL BID (PART B)

TENDER DOCUMENT

Repair of interior furnishing, electrical and HVAC
work for setting up IGSS Kolkata office

AT

First Floor premises of SME- Finance Branch

Name of Contractor : _____

Address : _____

GENERAL SUMMARY**Note :**

- 1) Rates to include any incidental expenses incurred on account of dismantling, handling, temporary stacking/storing and removal of existing partitions, grilles, furniture/electrical items etc. necessary for the work.
- 2) The contractors have to provide temporary electrical / LAN cabling arrangement for smooth operation of the Branch. No separate payment on this account will be admissible.

SECTION NO.	DESCRIPTION	FOLIO NO.	AMOUNT Rs.
I	INTERIOR WORK	SCH-INT/2	
II	FURNITURE WORK	SCH-FUR/1	
III	ELECTRICAL WORK	SCH-E/1	
IV	AIR-CONDITIONING WORK	SCH-AC/1	
TOTAL :			

SECTION - I
INTERIOR WORK

SL. NO.	ITEM DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
1	Dismantling existing false ceiling system as per instruction including removal of debris out of the site in conformity with local municipal regulations.	Sqm	140.00		
2	Modification and repairing existing partitions system / storage cabinet with replace of 6 mm thick plyboard and 1 mm thick laminate with necessary hardware system. Quoted rates shall include all necessary materials , accessories and labour and also allow provisions for electrical/telephone/computer wiring conduits and switch boxes, etc (Materials for wiring conduits and switch boxes shall be separately paid for.) Rate to include cost of dismantling of existing partitions and removal unserviceable materials outside the premises in conformity with local Municipal Regulation. No separate payment on this account will be admissible.				
i	Full height opaque partition	Sqm.	52.00		
ii	Partly glazed partition (Rate to include replace of glass member with new member)	Sqm.	35.00		
iii	Wall panelling / single skin partition	Sqm.	50.00		
iv	Storage cabinet (Rate to include replace damaged intermediate shelves by new one and inner portion finished with paint.	Sqm.	30.00		
3	Supplying and erecting full height opaque partitions (upto max. 2500 high) as per drawing and conforming to the following specifications : Framework of aluminium sections (minimum 60 x 40 mm.) at horizontal and vertical spacings not exceeding 600 mm. Single layer 6 mm.MR grade plywood on each face, as per drawing/instructions. 1 mm thick laminate sheet of same or combination shades as per instructions. Quoted rates shall include all necessary materials , accessories and labour and also allow provisions for electrical/telephone/computer wiring conduits and switch boxes, etc (Materials for wiring conduits and switch boxes shall be separately paid for.)	Sqm.	30.00		
4	Supplying and erecting low height opaque partitions (upto max. 1050 mm. high) as per drawing and conforming to the following specifications : Framework of aluminium sections (minimum 60 x 40 mm.) at horizontal and vertical spacings not exceeding 600 mm. c/c. Single layer 6 mm. MR grade plywood on each face, as per drawing/instructions. 1 mm thick laminate sheet of same or combination shades as per instructions. All free top/end surfaces shall have polished teak wood moulds of approved shape of size 90 mm x 20 mm with melamine lacquer in mat satin finish. Quoted rates shall include all necessary materials , accessories and labour and also allow provisions for electrical/telephone/computer wiring conduits and switch boxes, etc (Materials for wiring conduits and switch boxes shall be separately paid for.)	Sqm.	47.00		
5	Supplying and erecting full height partly glazed partitions (upto max. 2500 mm. high) as per drawing and conforming to the following specifications : Framework of aluminium sections (minimum 60 x 40 mm.) at horizontal and vertical spacings not exceeding 600 mm. c/c. Exposed frame members in the glazed portions shall have wider spacings (max. 2400 mm. clear)as per instructions. (Opaque portion upto 900 mm from floor level and from 2100 mm. to 2500 mm. from floor level with single layer 6 mm. thick BWR grade plywood on each face, as per drawing/instructions 1 mm thick laminate sheet of same or combination shades as per instructions. <u>glazing</u> : 8 mm. thick clear float glass fixed with continuous teak wood glazing beads of approved shape (from 35 x 25 mm) all round , polished and coated with melamine lacquer finish. Quoted rates shall include all necessary materials , accessories and labour and also allow provisions for electrical/telephone/computer wiring conduits and switch boxes, etc (Materials for wiring conduits and switch boxes shall be separately paid for.)	Sqm.	24.00		

CARRIED OVER :

SL. NO.	ITEM DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
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BROUGHT FORWARD :

6	Providing and fixing 12 mm thick clear float glass , machine polished along all free edges.	Sqm	19.00		
7	Supplying and fixing in position 37 mm thick partly glazed door shutter made of 15 mm thick well seasoned second class teak wood planks with double layer (6 mm + 4 mm thick) BWR grade plywood finished with 1.00 mm thick laminate sheet (without joints) of approved quality on both sides of the door shutter upto 900 mm from floor level. The upper portion of the shutter is to be provided with 6 mm thick clear float glass fixed with polished steam beech wood glazing beads of approved design, complete as per drawing. Rate to include cost of hardware fittings e.g. tower bolts, brass hinges etc. of approved make and quality locks and handles.	Sqm.	7.00		
8	Providing and fixing etching films (frosted) on glass surfaces of approved graphical design in patterns of strips as directed.	Sqm.	35.00		
9	Providing and fixing 2mm thick PVC flooring of approved make, quality & shade and pattern as shown in the drg. In proper line and level. Rate shall be inclusive of providing and laying necessary materials.	Sqm	140.00		

TOAL CARRIED TO GENERAL SUMMARY :
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SECTION - II
FURNITURE WORK

SL. NO.	ITEM DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
1	<p>Modification of existing free - standing table including replacement of table top by new 19 mm thick BWR grade block board finished with 1.00 mm thick laminate sheet of approved shade and quality, providing new hardware fixtures etc as per instruction including providing and applying two coats of synthetic enamel paint of approved shade and quality over a coat of approved primer to the metal frame and drawers of the table.</p> <p>(Rate to include supply and fixing of ready made UPS trolley and wire manager)</p>				
a)	Approx. size of 1000 x 700 x 750 mm.	Each	22		
2	<p>Modification of existing meeting table including replacement of table top by new 19 mm thick BWR grade block board finished with 1.00 mm thick laminate sheet of approved shade and quality, providing new hardware fixtures etc as per instruction including providing and applying two coats of synthetic enamel paint of approved shade and quality over a coat of approved primer to the metal frame and drawers of the table.</p>				
a)	(Overall approx. size 3000 mm. x 1000 mm. x 750 mm.)	Each	1		
3	<p>Providing and erecting in position side / back cabinet units with sliding shutters of approx. size of 450 mm deep x 700 mm high made of 19mm thick BWR grade block boards including intermediate shelves as per drawing /instructions.</p> <p>Exposed block board surfaces shall be finished with 1.00 mm laminate sheet of approved shade and quality. Inner faces of sliding shutters shall be finished with 1.00 mm thick balancing white laminate sheet.</p> <p>Free edges of block board shall have polished teak wood half round moulds (out of 20 x 20 mm sections) .</p> <p>Inner faces of cabinet units shall be polished in approved shade</p> <p>Quoted rates shall include cost of necessary hardware, vis handles, locks with keys in duplicate , etc.</p>				
		Rmt	10.00		

TOTAL CARRIED TO GENERAL SUMMARY :

A. DB's,CABLING AND WIRING WORK

SL. NO.	ITEM DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
1	MAIN SWITCH Supply and fixing of Switch Fuse Unit (SFU) with HRC fuse in sheet steel enclosure on M.S. angle frame / M.S. legs on wall complete with interconnection, mending good damages to original finish, painting, etc. as required.				
i)	100 A TPN SFU with HRC fuses.	IGSS Each.	1		
2	MCB DISTRIBUTION BOARD Supply, installation, testing and commissioning of following MCB Distribution Board in sheet steel enclosure with double door and suitable for mounting on wall by chase cutting and flushed with finished level to the position shown in the Electrical Layout complete in all respect, mending good all damages to the original finish, painting, interconnection, etc. as required. Short circuit I.C. of all MCBs should be 10 KA (minimum) and RCBO should have earth leakage, overload and short circuit protection. Name plate of DB's to be fixed / written on front door alongwith switch board numbers / DB's at the outoaina.				
a)	MAIN DISTRIBUTION BOARD (MDB) TPN 6 way vertical type MCB DB complete with busbar and the following MCBs : <u>Incoming</u> 1 no. : 63A 4P MCB Iso. <u>Outgoing</u> : 1 no. : 415V,32A TP, MCB 6 nos. : 240V, 20-25A SP MCB 3 nos. : 240V,16A SP MCB Complete board as above	RO Each. ZO Each.	1 1		
b)	Lighting Distribution Board (LDB) TPN 4 way vertical type MCB DB complete with busbar and the following MCBs : <u>Incoming</u> 1 no. : 40A FP MCB <u>Outgoing</u> : 3 Nos. : 25A TP MCB 2X32A DPMCB Complete board as above	RO Each. ZO Each.	1 1		
c)	12 way Horizontal type SPN DB <u>Incoming</u> : 1 No. 32 A DB MCB (20 KA) <u>Outgoing</u> : 10x6/10a SPMCB	RO Each ZO Each	1 1		

CARRIED OVER :

SL. NO.	ITEM DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
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BROUGHT FORWARD :

3 DISTRIBUTION CABLE :

a) SUPPLYING OF CABLE :

Supplying of 1.1 KV grade following PVC insulated and PVC sheathed armoured aluminium conductor cables conforming of IS:1554 (Part-I) :

i)	3.5 core 35 Sq.mm.	Mtr.	50.00
ii)	4 core 16 Sq.mm.	Mtr.	80.00

b) LAYING OF CABLE

Laying of above cable from metre to MDB on wall/column/as per side condition including supply and fixing of M.S. clamps/galvanised bar saddles @ 300 mm apart, making holes and mending good damages or partly through pre-laid pipe.

i)	3.5 core 35 Sq.mm.	Mtr.	50.00
ii)	4 core 16 Sq.mm.	Mtr.	70.00

c) CABLE GLAND AND FINISHING THE END

Supplying and fixing of compression type brass cable gland alongwith rubber rings for dust and moisture proof entry of following 1.1 KV grade aluminium conductor PVC insulated and PVC sheathed armoured cable and finishing the end by crimping method including supply and fixing of "Dowell" make solderless socket, tapes and jointing materials as required to be completed in all respect.

i)	3.5 core 35 Sq.mm.	RO	Set	2
		ZO	Set	2
ii)	4 core 16 Sq.mm.	RO	Set	6
		ZO	Set	6

4 SUBMAIN WIRING

Submain wiring with following sizes 1100 V grade, single core, PVC insulated flexible FRLS copper conductor wire (IS:694) through suitable size PVC. conduit (ISI marked embossed on conduit surface)/ flexible PVC conduit complete with junction box, circular box, elbows, bends and other accessories on surface above false ceiling or concealed by chase cutting on wall/in wooden furnitures, as per site condition, mending good all damages to original finish, interconnection, painting etc. as required to be completed in all respect. All connections of wires to be done by means of "Wago" type connectors:

i)	With 2 Nos. 6 Sq. mm + 1 No. 2.5 Sq. mm (green colour for earth) PVC insulated Copper wire.(For Glow Sign Board)	Mtr.	110.00
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CARRIED OVER :

SL. NO.	ITEM DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
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BROUGHT FORWARD :5 AC POINT WIRING (UPTO 2.0 TON)

- i) A.C. power point wiring from Main DB to A.C. Power points with 1100 volt grade following rating (Green colour for earthing) PVC insulated flexible FR copper conductor cable through suitable size PVC conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories surfaced on wall above false ceiling or concealed by chase cutting on brick / wooden wall. The work includes supply & fixing by chase cutting on wall, 'North-West' make A.C. power unit having suitable rating socket with plug, plug-top & starter in sheet steel enclosure complete with interconnection, mending good all damages to original finish, painting etc. as required. All connections of wires to be done by means of 'Wago' type connectors
With 2 nos. 4 sq.mm. + 1 no. 2.5 sq.mm. (green colour for earth) PVC insulated copper wire in 25 mm dia PVC conduit / casing capping. (for AC unit)

RO Each. 5
ZO Each. 3

6 6/16A SOCKET OUTLET POINT WIRING

Power point wiring for 6 pin 6/16 A shuttered socket outlet wiring with controlling switch from DB with 1100 volt grade 2 Nos. single core 2.5 sq.mm. + 1 No. 1.5 sq.mm. (Green colour for earthing) PVC insulated flexible FRLS copper conductor wire (IS:694) through suitable size PVC conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall. The work includes supply & fixing of modular type 6/16A 6 pin shuttered socket outlet with controlling switch, suitable size mounting box and front plate for socket outlet flushed with finished wall, mending good all damages to original finish, interconnection, painting, etc. as required to be completed in all respect. All connections of wires to be done by means of 'Wago' type connectors.

RO Each 2
ZO Each 2

7 POINT WIRING

Point wiring with 1100 V grade 3 nos. single core 1.5 sq.mm. (1 for phase, 1 (black colour) for common neutral by looping method and 1 (green colour) for common earth by looping method) PVC insulated flexible FRLS copper conductor cable (IS:694) through suitable size PVC conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall from light & fan switch board to light, fan & 6A socket outlet on the same switch board or separately mounted switch board. The work includes supply and fixing of all materials such as modular type 6A switch for each light and fan point, 6A 2/3 pin shuttered socket outlet with switch, 3 plate ceiling rose / angle or batten holder etc. as required.

CARRIED OVER :

SL. NO.	ITEM DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
BROUGHT FORWARD :					
7	Contd.. The point wiring also includes circuit wiring with 1100 V grade 2 nos. single core 2.5 sq.mm. (1 for phase and 1 (Black colour) for neutral) + 1 no. single core 1.5 sq.mm. (Green colour for earth) PVC insulated flexible (FRLS) copper conductor cable (IS:694) through suitable size PVC. conduit as described above from DB to switch board, interconnection, mending good all damages to original finish, painting etc. as required to be completed in all respect. All connections of wires to be done by means of "Wago" type connectors. (All wiring will be of surface conduit type).				
i)	1 light control by 1 switch.	RO	Each	18	
		ZO	Each	13	
	Coridor, Toilet, Canteen & Dinning		Each	15	
ii)	2 light control by 1 switch.	RO	Each	8	
		ZO	Each	3	
iii)	Wall Bracket fan point with 2/3 pin socket to be installed at fan height and switch at the switch board	RO	Each.	19	
		ZO	Each.	9	
iv)	Exhaust fan point				
	Coridor, Toilet, Canteen & Dinning		Each.	4	
v)	1x6A 2/3 pin shuttered socket with switch on separate switch board other than light / fan switch board	RO	Each	15	
		ZO	Each	14	
vi)	2/3 pin 6A switch shuttered socket outlet with switch on light and fan switch board.	RO	Each	5	
		ZO	Each	4	
8	Connecting the main switch to MCB DB by supply and fixing of 6 SWG G.I. wire along the cable with G.I. staples, bolts, nuts, washers, etc. and mending good all damages to original finish.		Mtr.	70.00	
9	<u>Earthing (General)</u> Earthing the installation as per I.E Rules conforming to I.S : 3043 - 1987 or its latest ammendment by making earth sation with 3 meter long 50 mm dia G.I earth Pipe (Partly Perforated) to be installed such that its top end shall be at 300 mm below ground level after preparation of ground with charcoal & Salt and connecting with 25 mm x 6 mm G.I earth lead-in-strip upto 10 metre length by bolting and then brazing, complete with nut, bolt, washer etc. as required. The earthing station shall be provided with 300 mm x 300 mm x 300 mm inside dimension masonry inspection Pit with C.I. hinged cover.	IGSS	Each	1	
10	Extra for earth lead-in-strip exceeding 10 meter as mentioned in above Item with supply and fixing of 25mm x 6mm G.I Strip to be fixed on wall or directly buried in ground including connection complete.		Mtr	30.00	

TOTAL CARRIED TO ELECTRICAL SUMMARY :
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B. SUPPLY AND INSTANTIONAL OF LIGHT FITTINGS & FANS

SL. NO.	ITEM DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
1	Supply and installation of light and electrical fittings including lamp and all necessary accessories :				
a)	<u>Surface mounted / Suspended luminaries</u>				
i)	1x22 watt LED Light fittings of approved make. Coridor, Toilet, Canteen & Dinning	Each	15		
ii)	LED based luminaries 1x32 watt LED based square light fittings with lamp.	RO Each ZO Each	13 9		
iii)	Down lighter 1x15 W LED down lighter fittings.	RO Each ZO Each	14 17		
2	Supply of fan fittings with all necessary accessories, but except regulator.				
i)	<u>Wall bracket fan</u> 400 mm dia.	RO Each ZO Each	8 5		
ii)	<u>Exhaust Fan</u> 300 mm dia without mounting ring & louvre complete of approved make. Coridor, Toilet, Canteen & Dinning	Each	4		

TOTAL CARRIED TO ELECTRICAL SUNMMARY :

SECTION - IV
AIR - CONDITIONING WORK

SL. NO.	ITEM DESCRIPTION	UNIT	QTY.	RATE (Rs.)	AMOUNT (Rs.)
1	Supply, installation, testing and commissioning of 2.00TR Hi-wall split units 5-Star), R-32 duty with hermetically sealed rotary compressor with indoor and outdoor units, refrigeration pipe, cables from (outdoor to indoor) and other electrical accessories.				
i)	RO	Each	1		
ii)	ZO	Each	1		
2	Supply, installation, testing and commissioning of 1.00TR Hi-wall split units (5-star), R-32 duty with hermetically sealed rotary compressor with indoor and outdoor units, refrigeration pipe, cables from (outdoor to indoor) and other electrical accessories.				
i)	RO	Each	1		
ii)	ZO	Each	1		
3	MS welded platform for maintenance for ODUs including safety cage.				
i)	RO	Each	5		
ii)	ZO	Each	3		
4	Supplying, installation, testing and commissioning of Drain Water Pipes G.I. with 10 mm thick Kinifoam insulation beyond initial length of 3.00 mtr. for each A.C units. 25 MM NB				
i)	RO	Mtr.	30.00		
ii)	ZO	Mtr.	25.00		
5	Supplying, installation, testing and commissioning of Copper Refrigerent Pipes with necessary insulation beyond initial length of 3.00 mtr. for each A.C units.				
i)	RO	Mtr.	35.00		
ii)	ZO	Mtr.	30.00		
6	Repairing or servicing existing air-conditioning indoor and out door unit as per condition or instuction of Bank. Installation the same as per location and drawina. Rate to include following service of AC units :				
i)	Supplying and fixing condencer in place of damaged existing condencer.				
ii)	Supplying and fixing PCB in place of damaged existing PCB.				
iii)	Supplying and fixing outdoor motor in place of damaged existing motor.				
iv)	Supplying and fixing valve in place of damaged existing motor.				
v)	Refilling Freon gas with a molecular formula of CHCLF2 in AC compressor. (Payment will be made actual cost of repairing of AC Units)	Unit	4.00		

TOTAL CARRIED TO GENERAL SUMMARY :

APPROVED MATERIALS FOR INTERIOR & FURNITURE WORKS

SL. NO.	MATERIAL	BRAND/MANUFACTURER
1.	PLYWOOD & BLOCK BOARD, (MR/BWR)	- CENTURY - GREEN - SWADESH - ARCHID PLY
2.	LAMINATES	- SUNMICA (ICA) - MERINOLAM - ARCHID LAM - GREEN LAM
4.	GLAZING	- MODI FLOAT - ST GOBAIN
3.	GYPSUM BOARD FALSE CEILING	- SAINT GOBAIN GYPROC
4.	MINERAL FIBRE FALSE CEILING	- ARMSTRONG - DAIKEN
5.	PAINT	- ASIAN PAINTS - BERGER PAINTS - ICI
6.	WHITE CEMENT PUTTY	- BIRLA WHITE - J.K. WHITE
7.	CABINET /DRAWER LOCKS, DRAWER SLIDES, AUTO-HINGES, KEYBOARD TRAYS, CABINET HANDLES ETC.	- EFFICIENT GADGETS, - EBCO - INNOFIT SYSTEMS - HAFEFLE
8.	DOOR LOCKS AND HANDLES	- DORSET - ACME - GODREJ NIGHT LATCH

LIST OF APPROVED MATERIALS
ELECTRICAL & AIR-CONDITIONING WORKS

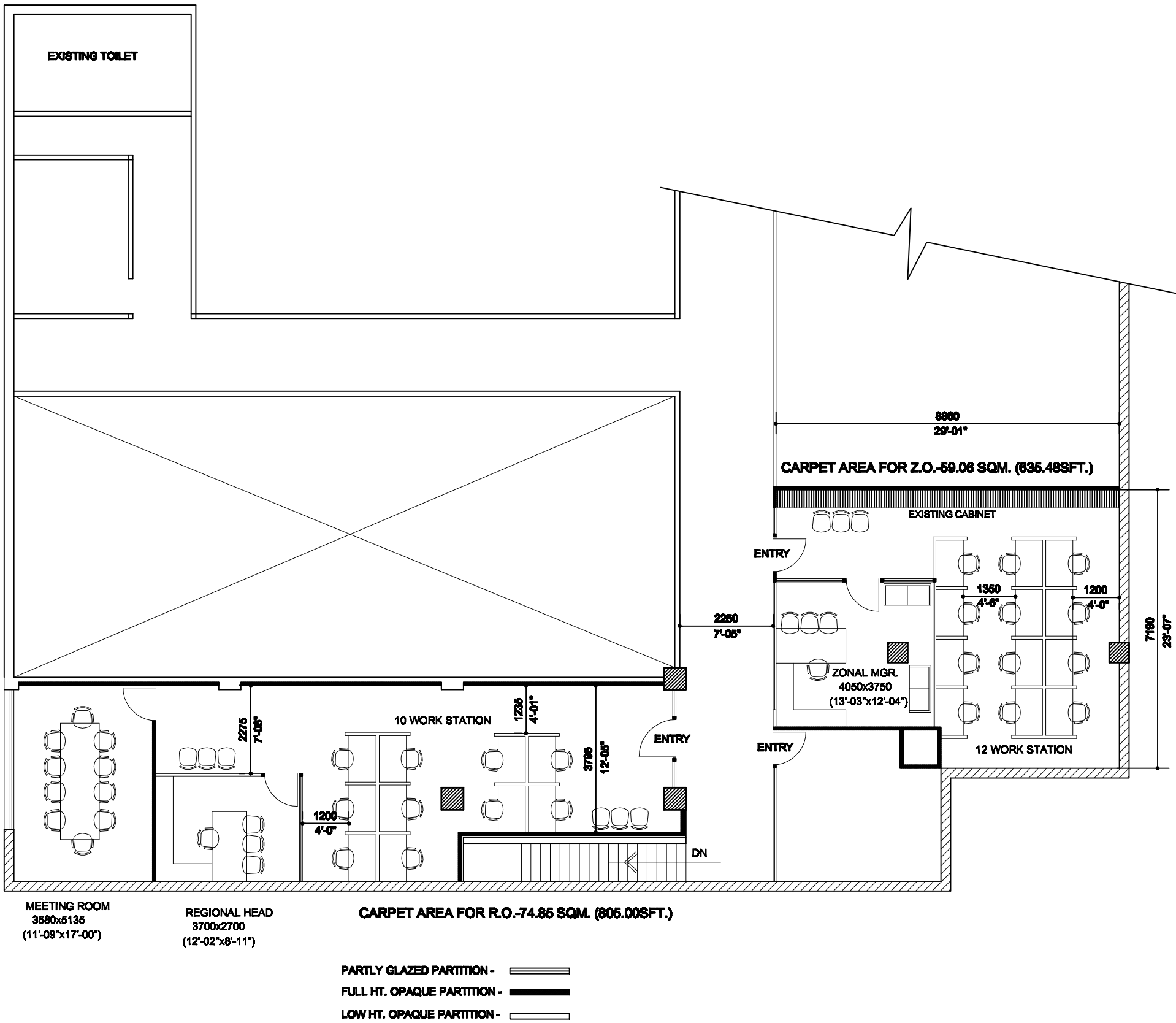
SL. NO.	ITEM	ITEM DETAIL	APPROVED BRAND / MANUFACTURER
1.	CONDUITS	I) M.S.(BLACK STOVE ENAMELED)	- B.E.C. - NIC - AKG - SENCO
		II) PVC RIGID	- B.E.C. - AKG - PRECISION
		III) G.I. FLEXIBLE	- B.E.C. - PRECISION - AKG - ATUL
		IV) GALVANISED STEEL	- B.E.C. - PRECISION - AKG - ATUL
		V) PVC CASING –CAPPING	- PRECISION - PRESTO-PLUS
2.	CABLES & WIRES	I) 11 KV ALUMINUM	- POLYCAB - FINOLEX - HAVELS - MESCAB
		II) 1100 V GRADE PVC / XLPE INSULATED STEEL ARMORED AND OVER ALL PVC SHEATHED	- FINOLEX - POLYCAB - HAVELS - MESCAB
		III) PVC INSULATED STRANDED/FLEXIBLE COPPER CONDUCTOR WIRE WITH SIZE IN SQMM. EMBOSSED ON CABLE SURFACE (FOR INTERNAL WIRING)	- FINOLEX - POLYCAB - HAVELS - MESCAB
		IV) LAN	- FINOLEX - LUCENT - D – LINK/AMP/MOLEX
		V) TELEPHONE	- FINOLEX - DELTON
		VI) TV ANTENNA	- FINOLEX - POLYCAB - ORBIT - KEI - MESCAB

SL. NO.	ITEM	ITEM DETAIL	APPROVED BRAND / MANUFACTURER
3.	PROTECTIVE DEVICE	I) TPN & SPN SWITCH FUSE UNIT WITH HRC FUSE	- SIEMENS - L&T - SCHNEIDER - ABB - INDO ASIAN - NORTH WEST
		II) MCCB, MCB, MCB-DB, RCBO, RCCB, ACB & ELCB	-SIEMENS -L&T - SCHNEIDER - ABB - HAVELS - PHILIPS
		III) MANUAL CHANGEOVER SWITCH/AUTO CHANGE OVER SWITCH	- L&T - LEGRAND, -HAGER
		IV) DOL STRATER	- SIEMENS - LARSEN & TOUBRO - INDO ASIAN
		V) CURRENT TRANSFORMER	- L & T, - KAYCCE - KUPPA/AE/IMP - INDO ASIAN
4.	SWITCHES & SOCKET SWITCH FRONT PLATE AND MOUNTING BOX (MODULAR TYPE)	I) 6A / 16A SWITCH, SOCKET, TELEPHONE SOCKET (RJ-11) LAN SOCKET (RJ-45), ELECTRONIC REGULATOR/DIMMER	- MK(WRAPAROUND PLUS) - Anchor(Roma) - Legrand(Myrius)
		II) ON/OFF / SELECTOR SWITCH	- SIEMENS - LARSEN & TUBRO - INDO ASIAN
		III) METAL CLAD SOCKET & PLUG HAVING SCRAPING EARTH ARRANGEMENT	- SIEMENS - LEGRAND - HAGER
5.	BELL	BUZZER BELL/CALL BELL, BUZZER INDICATOR (LUMINOUS TYPE)	- BAJAJ - ANCHOR
6	INSTRUMENT	INDICATING INSTRUMENT/ MEASURING INSTRUMENT	- AE - IMP - L&T - GE
7.	LUMINARIES	I) LED LIGHT FITTINGS	- PHILIPS - WIPRO - HAVELLS - BAJAJ

SL. NO.	ITEM	ITEM DETAIL	APPROVED BRAND / MANUFACTURER
8.	FAN FITTINGS	I) CEILING FAN	- HAVELLS - BAJAJ - CROMPTON - USHA - ORIENT - POLAR
		II) WALL MOUNTING / PEDESTAL FAN	- HAVELLS - BAJAJ - CROMPTON - USHA - ORIENT - POLAR
		III) EXHAUST FAN	- HAVELLS - BAJAJ - CROMPTON - USHA - ORIENT
9.	AIR-CONDITIONERS (3 STAR OR EQUIVALENT)	WINDOW TYPE HI-WALL SPLIT TYPE DUCTABLE SPLIT TYPE	- VOLTAS - CARRIER - HITACHI - BLUE-STAR
10.	STARTER	LIGHT-STARTER	-SIEMENS -L&T - SCHNEIDER
11.	REGULATOR	CEILING FAN-REGULATOR	-ANCHOR -LEGRAND -CLIPSAL
12.	RELAY		-L &T -ABB -SIEMENS -INDO ASIAN

Note :

All other items not covered above, as per sample approved by employer/consultant.



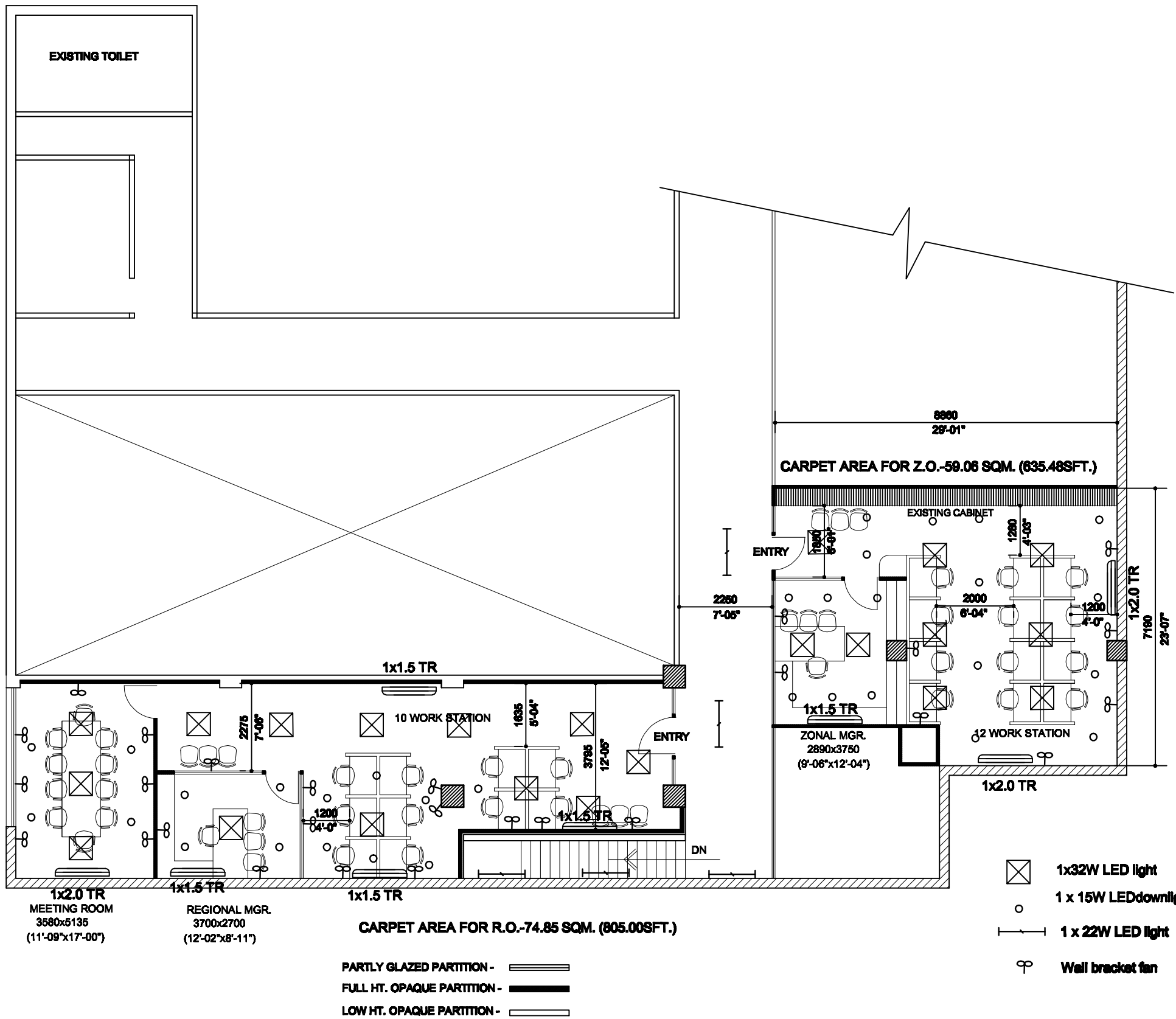
PROPOSED FIRST FLOOR LAY-OUT PLAN FOR IGSS FOR INDIAN BANK

DEALT- N.G.KUNDU
 SCALE:-1:100
 DATE - SEPT.04 2024

ALTERNATIVE-2



axis
 DD 185, NEW TOWN,
 STREET NO. 295,
 KOLKATA- 700 156



PROPOSED FIRST FLOOR ELECTRICAL LAY-OUT PLAN FOR IGSS FOR INDIAN BANK

DEALT- N.G.KUNDU
SCALE:-1:100
DATE - SEPT.05 2024

ALTERNATIVE-3

axis
DD 185, NEW TOWN,
STREET NO. 295,
KOLKATA- 700 156