



**GRAMIN BANK OF ARYAVART**  
HEAD OFFICE, A – 2/46, GOMTINAGAR, LUCKNOW (U.P.) 226010  
PHONE NO.7388800775/76/88/90, EMAIL ID- [HO.ANS@GBA-RRB.COM](mailto:HO.ANS@GBA-RRB.COM)

HO/A&S/PVS/02/2018-19

Date: 02.04.2018

**Corrigendum**

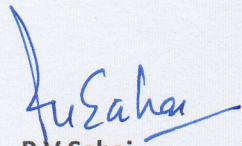
**Proposed Electrical Work for Gramin Bank of Aryavart At Farrukhabad**

Please refer to our tender notice for Electrical works for Gramin Bank of Aryavart at Farrukhabad,

Following modifications must be observed in the tender notice:

1. The Revised Financial Bid for Ground Floor (**copy enclosed**) {Bill of Quantity for Electrical Work for Gramin Bank of Aryavart} must be substituted with the previous one. The Bill of Quantity for Electrical work for First & Second Floor will remain the same as the previous one.

The last date for submission is 09.04.2018 (Monday), the technical bids will be opened on 10.04.2018  
Rest all terms and conditions will remain the same.

  
P V Sahai  
(Chief Manager)





Gramin Bank of Aryavart  
A-2/46, Vijay Khand, Gomti Nagar, Lucknow  
PHONE NO.7388800775/76/88/90, EMAIL [ID-ho.ans@gba-rrb.com](mailto:ID-ho.ans@gba-rrb.com)  
(Each Page of financial Bid must be signed by the bidder with the seal of the firm)

**BILL OF QUANTITY**  
**FOR ELECTRICAL WORKS OF GRAMIN BANK OF ARYAVART**  
**(GROUND FLOOR) AT FARRUKHABAD**

S.No.	Description of Item	Quantity	Rate	Unit	Amount
1	<b>sub-head-I (Wiring):-</b> Wiring for light, fan, Ex. Fan, wall fan & fresh air fan with 1.5 Sqmm FRLSLH, m/s copper conductor wire of 1100 V grade of approved brand in PVC conduit (medium duty) ISI marked, conceded/on surface as per requirement, controlled by 6Amp Modular switches and earthing of fixtures outlet boxes with 1.5 sq.mm, Green earth continuity wire complete as required.				
(a)	single light point controlled by one switch	15		P/Pt	
(b)	Two light point controlled by one switch	12		P/Pt	
2-	S/F & connecting 6A/10A, 5 pin socket with 6A/10A Switch modular type, metal box,grid & cover plate The connections shall be made with 3x1.5sq.mm, PVC insulated, m/s copper conductor wire, 1100 volt grade, on surface/concealed as per requirement including earthing the 3 <sup>rd</sup> pin of socked and M.S. box complete as required. (without circuit wirings)	9		P/Pt	
3-	Supply, fixing & connecting 16A Uni- Socket with 16A modular Switch, metal box,grid & cover plate of approved make The connections shall be with (a) 2x2.5 sq mm +1x1.5sq mm, (b) 2x4.0sqmm +1x1.5sqmm PVC insulated, m/s copper conductor FRLS wire 1100volt grade in PVC conduit (medium) on surface/concealed/ on Furniture as per the requirement including earthing the 3 <sup>rd</sup> pin of socket & M.S. box complete as required (without circuit wiring)				
(a)	2 offcesers Table +2 manger +2 cash conter +1 cleark, Total = 7 nos.	7		Each	
(b)	2 Router +2 manager +2 officers +1 water cooler Total= 7 nos	7		Each	





4-	Supply and drawing circuit wiring for Extension of light & fan & power circuits and sub-mains with PVC insulated FRLSLH, M/S copper conductor wire of approved brand in suitable size PVC conduit (medium duty) ISI marked on surface/recessed in wall as per requirement of the following sizes-				
a)	2x1.5sqmm+1x1.5sq mm wire- (for L&F, SB & computer circuits)	75		P/Mtr.	
b)	2x2.5sq mm+1x1.5sqmm wire (for power circuits (a) type	60		P/Mtr.	
c)	2x4. Sq mm+1x1.5sqmm wire for power circuits (b) & AC circuit wiring	100		P/Mtr.	
5-	NODES-Supply, fixing & connecting computer points comprising of 1 no 16 A, Dura-2M switch & 3 nos 10 A uni-socket, suitable modular box cover plate etc of approved make on wall/paneling/partition, or surface/complete as required.	8		P/Pt	
6-	Extension of computer point wiring with 2x2.5 sqmm +1x1.5 sqmm FRLSH m/s cu.wires in 20mm dia.PVC conduit pipe to be laid consealed in woll/ floor/ panelling or abave false ceiling ass par Requirement.	60		P/Mtr.	
<b><u>SUB-HEAD-II (Distribution &amp; Earthing)</u></b>					
1-	Supply, fixing and connecting 63A, 4 pole MCB 10 KA in 4 way SS enclosure box of approved make on surface for UPS. The input connectins shall be tapped from Electrical Panel complete as required-UPS room	1		Each	
2-	Supply, fixing and connecting 63A, -1P-3 way Rotary Switch in SS enclosure.	1		Each	
3-	Supply, fixing and connecting 4 way, TPN DB, D/D Type, 63A, 2 pole MCB 10 KA, of approved make for input DB for UPS	1		Each	
4-	Supply, fixing and connecting of UPS output DB double door, 12 way, SPN DB of approved make with incomer-63 A-2 Pole MCB, 10 KA, -01 & outgoing- 10A -SP MCB- 10 KA, 16 nos, complete as required.	1		Each	
5-	SITC of 20A, 230 volt metallic pulg & socket in sheet steel in closer with 20A SPMCB-'C for split A/C	4		Each	
6-	Supply, Installetion, testing & commissioning of main LT distirbution bord fabricated outoff 18 gauge sheet steel, powder coat painting, wall/floor mounting type with heavy duty switchgears, electrolytic allumunium conducer as par details given below :-				
a)	Incomer :- 125A- TP+N- MCCB- 18 KA .....01 nos.				
b)	Busbar :- 200A- TPN- AL conductor.....01 set.				





c)	Instrument :- Volt, Amp-Digital Meters, RYB Indicating Lights, Ash, Vsh Selectors Switch coils, puotection MCB's .....01 set	CT			
d)	Out-goings- 63A, TP+N- MCCB - 10 KA .....04 nos. Complete set with Inter- connections....	1		P/Set	
<b>SUB-HEAD-III (FIXTURE ITEMS)</b>					
1-	Supply, fixing and connecting the following type LED Lighting Fixture Items phillips make or equivalent & connection shall be made through 32/76, m/s copper twin flat wire complete as required.				
a)	1x20W LED tube batten- phillips or equivalent make	17		Nos	
b)	LED bulb-9/15 W with batten holder fitting complete as required.	4		Nos	
c)	1x18W- LED Down Lighter, 155mm dia, recess/surface type with electronic driver, phillips or equivalent	12		Nos	
d)	Phillips 2'x2' square LED Panel, recess mounting or equivalent.	15		Nos	
2	Supply and fixing 400mm sweep wall fan having metallic body & pull cord speed regulator-(Make- vells/Crompton/Usha / Orient)	3		Nos	
3	Supply and fixing of fresh air fan 12" sweep with lower shutter to be fixed in window/ventilator openings and making connections with 3x1.5sqmm wire complete as required-(Make-Havells/Crompton/Usha/Orient)	15		Nos	
4-	Supply and fixing of modular telephone jack outlet RJ-11 single without shutter, Anchor make or equivalent, on wall/furniture or partitions with mounting GI box and front plate etc as required including supplying and laying of 2 pair, 0.6mm dia, unarmored PVC insulated telephone cable in PVC pipe (medium) from telephone junction box to the telephone socket outlet including inter connections complete as required-	12		Nos	
5-	Supply and fixing of MDS box.	1		No.	
6	Supply and fixing of 12 pair crone box	1		No.	
7-	Supply and fixing of modular TV Socket with metal box, grid/cover plate Anchor make or equivalent, and supplying and laying of RG-6 cable in PVC pipe (Med.) form TV socket to TV Jonson box.	1		Nos	
1-	<b>DATA POINT &amp; CABLING:-</b> Supplying & laying of 25mm dia Medium duty rigid OD PVC heavy duty conduit pipe (ISI marked AKG or any other make approved by bank/Architect) complete with junction box, circular box, elbows, bends & other accessories as required by chase cutting on wall, through partition or over false celiling. The work includes making good all damages to original finish, painting etc. as required.	45		P/Mtr.	





2-	Supply & laying of CAT-6 UTP 4 pair 100-Ohm impedance cables for horizontal installations in local area networks (LANs), cables Giga speed D-Link DC6CAUTP4P1X or equivalent systemex make through pre-laid rigid PVC conduit as directed by the consultant from server to switch, Switch to computer data socket including interconnection mending good etc. as required complete in all respects.	95		P/Mtr.	
3-	Supply and fixing of XL RJ 45 toolless information outlet Blue colour cat 6e Giga speed D link DC6KYSTUBL or systemex MGS400-262 make including interconnection with connectors (cost to be borne by contractor) as required complete in all respects.	12		Nos	
4	Supply and fixing of 24 cat 6e Patch Panel/ Jack Panel D- Link/ systemex fully loaded in the rack to be provided by Contractor complete in all respect to the entire satisfaction of the bank.	1		Nos	
5	Supply and fixing of cable manager in the rack to be provided by the Contractor complete in all respect to the entire satisfaction of the bank.	1		Nos	
6	Supply and fixing of Switch D-Link Make36 Port	1		Nos	
7	Supply and fixing of 9 U Rack	1		Nos	
8	Supply and fixing of 7ft Grey colour Patch chord Giga speed D link DC6PCURJ02BLM or equivalent Systemex make.	24		Nos	
9	Supply and fixing of 3ft Grey colour Patch chord Giga speed D link DC6PCURJ02BLM or equivalent Systemex make.	24		Nos	
				<b>Total</b>	

Signature with the seal of the firm







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**LIST OF APPROVED MAKES FOR PROJECTS : ELECTRICAL WORKS**

1	MCBS/ MCB ISOLATORS	SIEMENS/ HAGER/ SCHNIDER/ LEGRAND/ ABB
2	RCCBS/ELCBS/RCBOS	SIEMENS/ HAGER/ SCHNIDER/ LEGRAND/ ABB
3	MCB DISTRIBUTION BOARDS/ PRE-WIRED DBS- SINGLE/ THREE-PHASE (VERTICAL & HORIZONTAL - SINGLE/ DOUBLE DOOR	SIEMENS/ HAGER/ SCHNIDER/ LEGRAND/ ABB
4	POLY CARBONATE MCB DB's	SIEMENS/ HENSEU/ LEGRAND / ABB
5	MCCBS	SIEMENS/ HAGER/ SCHNIDER/ LEGRAND/ ABB
6	CHANGE OVER SWITCH (OFF LOAD/ ON LOAD)	L&T/ HH ELCON/ HPL SOCOMEC
7	METAL CLAD SHEET STEEL ENCLOSURE	L&T/ GEI MDS/ CROMPTON/ GWESIS
8	INDUSTRIAL SOCKET/ PLUG BOX	SIEMENS/ HAGER/ SCHNIDER/ LEGRAND/ ABB
9	SFU / FSU	SIEMENS/ HAGER/ SCHNIDER/ LEGRAND/ ABB
10	HRC/ HBC FUSES & BASES	HAGER/ SIEMENS/ GEI C&S/ ESSEN DEINKN/ ENGLISH ELECTRIC
11	AUTOMATIC TRANSFER SWITCHES( SOLONOID BASED)	ASCO / RUSSEL
12	LOAD BREAK SWITCHES	HAGER/ SIEMENS/ GE/ ABB/ SCHNEIDER
13	COPPER WIRES	SKYTONE/ F/ NOLEX/ RPG - KEC/ HAVELLS
14	MODULAR SWITCHES AND SOCKETS, PLATES & COVER PLATE	SIEMENS/ ANCHOR ROMA/ SCHNIDER/ NORTH-WEST/ CLIPSAU CRAB TREE
15	PVC CONDUIT (ISI MARKED)	AKG/ PLAST/ LAPP/ SEC/ AKG/ POLYPACK
16	STEEL CONDUCT { ERW}(ISI MARKED)	BEC/ AKG/ SEC/ VIMCO/ BEC
17	FLEXIBLE CONDUIT	LAPP/ HENSEU/ JAINSONS
18	BAKELITE SHEET	HYLAM/ FORMICA/ GREENLAM
19	COMPUTER DATA CABLE	SYSTEMAX/ D-LINK/ SCHNIDER/ LUCENT
	TAG BLOCK	KRONE/ ERICSON/ TVAR&M
20	TELECOMMUNICATION CABLE	SKYTONE/ BATRA HENLAY/ POLYCAB/ FINOLEX
21	TV COAXIAL CABLE	SKYTONE/ RPG -KEC/ SHYAM/ NATIONAL/ HAVELLS
22	CONTROL & INSTRUMENTATION CABLE	TELELINKS/ CORDS CABLES/ FINOLEX/ RPG/ ELKAY/ GLOSTER/LAPP
23	HT/LT CABLE (PVC/ XPLE/ FIRE SURVIVAL)	SKYTONE/ FORT GLOSTER/ CCI/ NICCO/ POLYCAB/ RPG/ FINOLEX
24	CABLE GLANDS (DOUBLE COMPRESSION WITH EARTHING LINKS)	DOWELLS/ COMET/ BRASCO/ HMI/ GRIPWEL
25	BI-METALLIC CABLES LUGS/ PVC GLANDS	DOWELLS/ COMET/ JAINSONS/ KABEL
26	CABLE JOINTING KITS	RAYCHEM/ JAINSONS/3M/ DENSONS/ SAFEKI





27	CABLE TRAYS (FACTORY FABRICATED) / RACEWAYS	APEX/ PREMIER/ PATNEY SYSTEM LTD/ STEELWAYS/ PROFAB/MEM
28	HT PANEL	SIEMENS/ CROMPTON/ ABB
29	LT PANELS & SWITCH GEARS	PANEL CPRI APPROVED, SWITCH GEARS - SIEMENS/ HAGER/ ABB/ LEGRAND
30	SYNCHRONIZING PANEL/ APFC PANEL/ CONTROL PANEL/ FEEDER PILLAR/ SERVICE PILLAR	C&S/ TRIDENT/ CONTROL & SWITCHGEAR SCHEMATICS/ VISA ELECTONICS CPRI APPROVED - APPROVAL NOT TO BE OLDER THAN 5 YEAR FABRICATION FACILITIES UP TO IP 54/55 OWN 7 TANK PRE- TREATMENT HOT PROCESS PLANT EQUIPPED WITH CNC BENDING POWER PRESS, BUSBAR BENDING & PUNCHING MACHINES, MOULDING MACHINES, COMPRESSORS,LATHE MACHINES ETC. ISO 9001 CERTIFICATION
31	ELECTRONIC ENERGY METERS SINGLE/ THREE PHASE & TRIVECTOR	ALACRITY/ HAGER/ ELECTRONIC VISA/ CONZERV/ HPL SOCOME/ SCHLUMBERGER
32	COMPACT SUB-STATION	MERLIN GERIN/ SCHNEIDER/ ABB/ SIEMENS
33	VCB/ HT SWITCHGEAR (11/33KV)	SIEMENS/ CROMPTON/ GE/ ABB/ AREVA
34	ACB (3/4POLE)	SIEMENS/ HAGER/ SCHNIDER/ LEGRAND/ ABB
35	AUTOMATION POWER FACTOR CONTROL RELAY	HAGER/ BELUKE/ NEPTUNE/ VISA POWER/ ELECTRONIC/ ALSTOM
36	CAPACITORS	VISA POWER/ ELECTRONIC/ EPCOS/ SIEMENS/ L&T/ NEPTUNE- DUCATI
37	CONTROL GEAR (CONTACTORS ETC.)	SIEMENS/ HAGER/ SCHNIDER/ LEGRAND/ ABB
38	PROTECTION RELAYS MICROPROCESSER	SIEMENS/ HAGER/ SCHNIDER/ LEGRAND/ ABB
39	EARTH LEAKAGE RELAY	SIEMENS/ HAGER/ SCHNIDER/ LEGRAND/ ABB
40	SINGLE PAHSING DEVICE	HAGER/ SIEMENS/ MINILEC/ AE
41	PUSH BUTTONS	HAGER/ SIEMENS/ BCH/ C&S/ ESSEN DEINKI/TEKNIC
42	TIME RELAY DEVICE	EAPI/ SIEMENS/ HAGER/ BCH/ C&S/ MINILEC/ ESSEN DEINKI
43	SELECTOR SWITCHES & ROTARY SWITCHES	KAYCEE/ HAGER/ SIEMENS/ GEI VAISHNO/ SALZER
44	INDICATING LIGHTS	SIEMENS/ HAGER/ VAISHNO/ RASS CONTROLS/ TEKNIC/ C&S/ KAYCEE
45	TERMINALS	ELMEX/ ESSEN/ DEINKI/ WAGO
46	PROGRAMMABLE LOGIC CONTROLLER	SCHNEIDER/ ABB/ SIEMENS/ WOODWARD/ ALLEN BRADLEY/ HAGER
47	VOLTAGE TRANSFORMERS	MDC/ AE/ KAPPA/ C&S/INDOTEC/ FORBE MARSHALL/ GILBERT & MAXWELL
48	CURRENT TRANSFORMER	MDC/ AE/ KAPPA/ C&S/INDOTEC/ FORBE MARSHALL/ GILBERT & MAXWELL
49	MEASURING INSTRUMENTS	AE/ VAISHNO/ VISA ELECTRONIC/ L&T/ RISABH/ KAPPA/ CONZERV
50	LUMINARES	PHILLIPS
51	WALL MOUNTED FANS/ CEILING FAN	CROMPTON/ BAJAJ/ USHA/ POLAR





52	EXHAUST FAN/ AXIAL FLOW FAN/ VENTILATION FAN	CROMPTON/ GE/ KHATTAN/ BAJAJ
53	AVIATION OBSTRUCTION LIGHT	BAJAJ/ ROCKWELL AUTOMATION/ PHILLIPS/ WIPRO
54	HIGH MAST LIGHTING SYSTEM	PHILLIPS/ BAJAJ/ CROMPTON/ WIPRO
55	TRANSFORMERS	ABB/ KIRLOSKAR/ SIEMENS/ CROMPTON/ BHEL
56	DG SET	CATERPILLAR- LEROYSOMAR / CUMMIN - STAMFORD/ VOLVO-PENTA/ MITSUBSHI/ KIRLOSKAR
57	MOTORS	ABB/ CROMPTON/ SIEMENS/ ALSTOM/ KIRLOSKAR/ JYOTI/ BHEL/ NGEF
58	PUMPS	KIRLOSKAR/ CROMPTON / KSB/ MATHER & PLATT/ BEACON/ WORTHINGTON
59	UPS	NUMERIC/ PCI/ MITSUBSHI/ EMERSON/TATA LIBERT /GE POWER
60	LT SERVO AUTOMATIC VOLTAGE STABILIZER	AEI LOGICSTAT/ VISA POWER/ STABLINE RECON/ ICON
61	BATTERY (SEALED MAINTENANCE FREE)	YUASA/ AMCO/ EXIDE/ AMARA RAJA/ STANDARAD BATTERIES
62	BATTERY CHARGER	STANDAR/ BCH/ LOBOTEKI HBL NIFE/ AMARA RAJA
63	EPBAX & TELEPHONE SYSTEM	SIEMENS/ BPL/ TATA/ ERICSSON
64	TELEPHONE OUTLETS	TOYAMA/ MK/ SSK
65	MULTI-METER & MEGGARS	ESCROP/ MOTWANI OR EQUIVALENT
66	MS SWAGED TUBLAR POLE/ STREET LIGHT POLE	ADVANCE STEEL TUBES/ KLITE/ KESELEC BAJAJ
67	STARTERS (SOFT/ AUTOMATIC/ STAR DELTA/ SUBMERSIBLE)	SCHNEIDER! HAGER/ SIEMENS/ GE/ ROCKWELL AUTOMATION
68	LIGHTING PROTECTION UNIT	MTU PEPPERL & FUCHES/ ERICO/ SCHNIDER

