



Bangiya Gramin Vikash Bank  
Murshidabad Regional Office  
48, Nayasarak Road  
P.O. Berhampore, Dt Murshidabad  
PIN 742101

DATE : 02-12-2013

*Invitation for tender offer for Electrical work inclusive of DB's, cabling and wiring*

Bangiya Gramin Vikash Bank, Murshidabad Regional Office invites sealed tenders from empanelled contractors for executions of various type of data wiring work inclusive of DB's, cabling and wiring of our Jotkanai Branch at Jotkanai, P.O. Par Raghunathpur Dt Murshidabad.

The work Schedule may be Downloaded from [www.bgvb.co.in](http://www.bgvb.co.in) .

Last Date and Time for receipts of tender offers	05.12.2013.at 12.00 Hrs.
Date of Opening of Technical Bid	05.12.2013 at 14.30 Hrs.
Date of opening of Commercial Bid	05.12.2013 at 15.00 Hrs
( Authorised representatives may be present at the time of opening of the tender.)	

Commercial and Technical Bids should be submitted separately in sealed covers.  
Bank Reserves the right to cancel any bid without showing any reason thereof.

BANGIYA GRIMAN VIKASH BANK  
MURSHIDABAD REGIONAL OFFICE, 48.NAYA SARAK ROAD GORABAZAR BAZAR,  
BERHAMPORE, MURESHIDABAD

Tender Document : For Electrical work  
Jotkanai, Branch

DB'S, CABLING AND ELECTRICAL WIRING WORK

<u>SL. NO</u>	<u>ITEM DESCRIPTION</u>	<u>UNIT</u>	<u>QT. Y.</u>	<u>RATE (RS.)</u>	<u>AMOUNT (RS.)</u>
1	<b><u>SWITCH FUSE UNIT</u></b> Supply and fixing of Switch Fuse Unit (IS :13947) with rewirable type fuse in sheet steel enclosure with cable end box, mounted on M.S. frame/ MS legs on wall. The rate shall be inclusive of supply of all materials, making holes, mending good the damages & making connection etc. as required. <b>(make Havells/HPL/Standard)</b>				
1.1	63A DP SFU (for supplies incomer)	Each	1		
2	<b><u>ON LOAD CHANGE OVER SWITCH (COS)</u></b> Supply & fixing of 63A DP on load change Over Switch in sheet steel enclosure on M.S. angles/ legs on wall. The rate shall be inclusive of supply of all materials, making holes, mending good the damages & making connection etc. as required. <b>(make Havells/HPL/Standard)</b>	Each	1		
3	<b><u>SUBMAIN WIRING</u></b> Submain wiring with following sizes 1100 V grade, single core, PVC insulated flexible copper conductor wire (IS:694) through suitable size specified <b>PVC</b> conduit (ISI marked embossed on conduit surface) 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 furniture, as per site condition, mending good all damages to original finish, interconnection, etc. as per required to be complete in all respect : Through <b>PVC</b> conduit ( Customer Lobby, Cash, Manager Room etc.)				
3.1	With 2 nos. 6sq.mm. + 1 No. 2.5sq.mm. (green colour for earth) PVC insulated Copper wire in 20 mm dia <b>PVC</b> conduit/ casing capping (for Glow Sign board). <b>(make Havells/Finolex)</b>	Mtr.	36		
3.2	With 2 nos. 2.5sq.mm. + 1 No. 1.5sq.mm. (green	Mtr.	99		

<u>SL. NO</u>	<u>ITEM DESCRIPTION</u>	<u>UNIT</u>	<u>QT Y.</u>	<u>RAT E (RS.)</u>	<u>AMOUNT (RS.)</u>
	colour for earth) PVC insulated Copper wire in 20 mm dia <b>PVC</b> conduit/ casing capping(forSwitchboard,16Asocketoutletetc.)( <b>make Havells/Finolex</b> )				
4	<b><u>POINT WIRING</u></b> 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 <b>PVC</b> 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 wiring also includes circuit wiring with 1100V grade 2 nos. single core 2.5sq.mm. (1 for phase and 1(Black colour) for neutral) + 1no. single core 1.5 sq.mm. (Green colour for earth) PVC insulated flexible (FRLS) paper conductor cable (IS:694) through suitable size PVC conduit as described above from DB to switch board, interconnection, etc. as required to be completed in all respect. All connections of wires to be done by means of "Wago" type connectors. (All wiring in strong room, locker room, records & stationary room will be of surface conduit type) ( <b>make Crabtree/ Havells/MK</b> ) ( <b>Cash Coutter</b> )				
4.1	<b>Through PVC conduit (Customer Lobby, Cash Branch Manager room etc.)</b>				
4.1.1	1 Light control by 1 switch	Each	6		
4.1.2	Ceiling fan point with supply & fixing of 1 module electronics step regulator (280W min.)	Each	6		
5	<b><u>16A POWER POINT WIRING</u></b> Wiring for 6 pin 6/16A shuttered socket outlet with 1 no. 6/16A 6 pin modular type socket with 16A Control switch in suitable size modular box with	Each	2		

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	front plate, junction box, circular box, elbows, bends couplers and other accessories surface making connection complete.				
<b>6</b>	<b><u>INSTALLATION OF LIGHT FITTINGS</u></b>				
6.1	Supply, Installation, testing and commissioning of 1x28 watt T5 light fittings on ceiling including supplying and fixing of M.S. clamps or hard wood round block properly shellac polished suitable for wall/ ceiling mounting including interconnection between light points and fittings with 2 nos. single core/ 1.5 sq.mm. PVC insulated flexible copper conductor cable etc. as required. <b>(Philips)</b>	Each	8		
6.2	Supply, installation, testing and commissioning of 1x36 Watt FPL light fittings installation the cash counter <b>(Philips)</b>	Each	2		
<b>7</b>	<b><u>INSTALLATION OF FAN FITTINGS</u></b>				
7.1	Supply, Installation testing and commissioning of heavy duty type ISI marked 400mm dia. <b>Wall bracket fan</b> suitable for 240 v single phase 50 Hz AC supply complete with allover inter connection between fan points and fan with 3 nos. single core. 1.5 sq. mm PVC insulated flexible copper conductor cable making suitable size holes on wall accommodate the fan mending good etc. as required <b>(Crompton)</b>	Each	2		
7.2	Supply, Installation, assembling, installation, testing and commissioning of 1200mm/ sweep ceiling fan with all accessories except "Regulator" compete with interconnection, mending good etc. as required. <b>(Havells)</b>	Each	6		
7.3	Supply, Installation, installation, testing and commissioning of heavy duty type ISI marked 300mm, dia. Wall bracket fan suitable for 240V single phase 50Hz. A.C. supply complete with all accessories, mending good etc. as required. <b>(Crompton)</b>	Each	2		
<b>8</b>	<b><u>RED LAMP &amp; INCANDESCENT LAMP</u></b> Supply, installation, testing and commissioning of red lamp/ 15 watt incandescent lamp on existing wall mounted holder	Each	1		
<b>9</b>	<b><u>INDUSTRIAL TYPE SOCKET AND PLUG DB</u></b> Supply and installation of Industrial type socket and match plug with controlling in sheet steel enclosure for UPS incoming & outgoing only :				

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	<b>(make Havells/HPL/Standard)</b>				
9.1	32A, 2P+E, 3 pin industrial type socket with matching plug and 32A DP MCB control including interconnection at UPS incoming.	Each	2		
9.2	32A, 2P+E, 3 pin industrial type socket with matching plug and 32A DP MCB control including interconnection at UPS outgoing.	Each	2		
10	<b><u>UPS TO UPS CHANG OVER</u></b> Supply & fixing of 32ADP on load change Over Switch in sheet steel enclosure on M.S. angles/ legs on wall. The rate shall be inclusive of supply of all materials, making holes, mending good the damages & making connection etc. as required. <b>(make Havells/HPL/Standard)</b>	Each	2		
11	<b><u>COMPUTER DISTRIBUTION BOARD (CDB)</u></b> Supply and installation of metallic double door MCB distribution Board with MCB having breaking capacity of 10KA (minium) or MCB of sensitivity complete with neutral earth link interconnection, mounted on flat iron frame on wall mending good etc. as required. <b>(make Havells/HPL/Standard)</b>				
11.1	SPN 6 way consumer unit double door MCB DB complete with neutral earth link and the following MCBs: <b><u>INCOMING</u></b> 1. nos. 240V, 32A, DP MCB <b><u>OUTGOING</u></b> 6.nos.240V, 10A SP MCB	Each	2		
12	<b><u>SUBMAIN WIRING</u></b> Sub main wiring with 1100V grade. Single core PVC insulated flexible copper conductor cable (IS 694) through suitable size <b>PVC</b> conduit surface complete with junction box circular box elbows bends and other accessories surface on wall interconnection etc. as required completed in all respect. <b>(make Haveels/Finolex)</b>				
12.1	From changeover to plug socket DB & from outgoing of plug socket with 2 nos. 6 sq.mm. + 1 nos. 2.5 sq.mm. PVC insulated flexible FR copper conductor cable in suitable size <b>PVC</b> conduit. <b>(make Haveels/Finolex)</b>	Mtr.	30		
12.2	From outgoing of UPS plug socket to CDB with 2 nos. 4 sq.mm. + 1 nos. 2.5 sq.mm. PVC insulated flexible FR copper conductor cable in suitable size <b>PVC</b> conduit <b>(make Haveels/finolex)</b>	Mtr.	15		

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13	<b><u>COMPUTER SOCKET OUTLET CLUSTER POINT WIRING</u></b> Computer socket outlet cluster point wiring with 1100V grade 3 nos. single core 2.5 sq. mm. PVC insulated flexible FRLS copper conductor cable confirming to IS : 694 through 20mm <b>PVC</b> conduit and conduit accessories partly concealed in wall / embedded in floor, partly on surface above false ceiling and party through partition or through flexible conduit from DB to socket clusters in 1 (one) circuit connection by looping method. The work includes supply and flexing of modular type socket out let cluster component as detailed below:-				
13.1	With 3 nos. 1.5 sq.mm. PVC insulated copper wire in 20 mm dia <b>PVC</b> conduit (for each computer power point) ( <b>make Haveels/finolex</b> )	Mtr	85		
13.2	Each computer socket outlet cluster comprising the following: 2 nos. 6A 2/3 pin modular type shuttered socket. 2 nos. 16A 6 pin modular type shuttered socket. 1 nos. 16A modular type controlling switch with indicator. 1 nos. modular type front plate suitable size. 1 nos. Modular type PVC box of suitable size. 1 nos. indicating lamp	Each	8		
14	<b><u>EARTHING (COMPUTER)</u></b>				
14.1	Earthing the installation as per I.E. rules confirming to IS:3043-1987 or its latest amendment by making earth station with 600mm. X 600mm x 6mm. (minimum ) thick GI plate electrode installed such the its top edge shall be at a minimum depth of 3.0 mtr below ground level after preparation of ground with charcoal and salt and connecting the 25mm x 6mm GI earth lead – in – strip by suitable length by bolting and then brazing to the copper plate complete with copper bolts of suitable length double nuts and washers including supply and fixing of 50mm. dia. Party perforated G.I. pipe with funnel for watering arrangement. The GI earth lead-in-strip shall be PVC sleeved insulated throughout the total length and the underground portion laid through suitable	Each	1		

<u>SL. NO</u>	<u>ITEM DESCRIPTION</u>	<u>UNIT</u>	<u>QT Y.</u>	<u>RAT E (RS.)</u>	<u>AMOUNT (RS.)</u>
	size heavy duty rigid PVC at an average depth of 500mm below ground level. The earthing installation should provided with 300mm. X 300mm. and 300mm depth inside dimension masonry inspection pit with C.I. hinged cover.				
14.2	Earth lead-in-strip exceeding 10 mtr length as mentioned in above item with supply and fixing of 25mm x 3mm GI strip.	Mtr.	20		
TOTAL ELECTRICAL SUMMARY -					