



RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LTD.
OFFICE OF THE EXECUTIVE ENGINEER (T&C), Udaipur.

Near Gulab Bagh, Old Power House, Udaipur

Telephone: - 0294-2422326 ,CIN NO.U40109RJ2000SGC016485

mail id:xen.cm.udaipur@rvpn.co.in website: www.rvpn.co.in

NO. RRVPN/XEN/(T&C)/UDR/PUR/F.01(2017-18)/D. 599 Dt. 01/11/2017

UBN NO. VPN1718 WSOB01157

NOTICE INVITING BID No.01/2017-18

Sealed Tenders are hereby invited from eligible and experienced Contractors for execution of "Laying of Earth mesh, Earthing of Structure and Equipment, Bus Bar and Cabling work for augmentation work of 160 MVA, 220/132 KV power transformer (BHEL) at 220 KV GSS MADRI, Udaipur"

1	NIB/ BID No	01(2017-18)
2	Name of the work	Laying of Earth mesh, Earthing of Structure and Equipment, Bus Bar and Cabling work for augmentation work of 160 MVA, 220/132 KV power transformer (BHEL) at 220 KV GSS MADRI, Udaipur
3	Estimated cost	Rs.158810/-
4	Tender cost	Rs. 750 + GST@18%
5	Bid security (EMD)	3176/- (@2%)
6	Period of completion.	Within 2 months from date of issue of work order.

IMPORTANT DATES

S.No	Events	Date & time	Location
1	Issue of Tender specification & Bid security	07.11.2017 to 22.11.17 upto 12.00 NOON	XEN(T&C), RRVPNL, Udaipur
2	Due date of submission of tenders & deposit of bid security	22.11.2017 upto 03.00 P.M.	XEN(T&C), RRVPNL, Udaipur
3	Date of opening of tenders	22.11.2017 at 03.30 PM	XEN(T&C), RRVPNL, Udaipur

Subject to the following T&C:

1. The Contractor will be liable for any damage during contract period of above said work.
2. The undersigned has the right to accept or reject the tender without assigning any reason.

Encl: G' Schedule and Instruction to the contractor.

EXECUTIVE ENGINEER(T&C)
RRVPN, UDAIPUR

Copy to the following for further n/a:

1. The Superintending Engineer (T&C), RRVPNL, Udaipur.
2. The Accounts Officer (T&C), RRVPNL, Udaipur.
3. The Assistant Engineer-I (T&C), RRVPNL, Udaipur, HQ Debari.
4. Notice Board.

EXECUTIVE ENGINEER(T&C)
RRVPN, UDAIPUR

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAN L.T.D.

G- SCHEDULE

Name of Work:- **Laying of Earth Mesh and Earthing of Structure and Equipments & Bus Bar and cabling work at 220KV GSS MADRI**

RVPN BSR 2017-ISSUED VIDE L NO. RVPN/SE(CONTRACTS-II)/XEN(4)/F/D-45/DT.21.04.2017

Code No.	DESCRIPTION	UNIT	RATE (Rupees)	QUANTITY	AMOUNT
1	2	3	4	5	6
1.	EARTH MESH WORK				
B-1	Laying or earthing risers of 50 x 6 mm / 50 x 10 mm / 50 x 12 mm size M.S Flat at a depth of 0.80 meter from top level of foundation including excavation of trench of required depth and backfilling of the same transportation of M.s. Flat from site store to locations, preparation of risers bending as per requirement (after heating if necessary), fixing on and welding/ bolting to equipment structures and peaks of structures, laying in the trench, welding to the earth mesh of M.S rod as per drawing including welding of extra length of M.S Flat if required ,application of bitumen compound and covering with bitumen impregnated tape on all welded joints, painting of all surfaces of risers above ground level with red oxide and green paint for the type of soil prevalent at 0.80 meter below top level of foundations (M.S Rod of above sizes & M.S Flat as required shall be made available by RVPN).				
	(a). In case electricity is made available by RVPN without charges.				
	(i) Normal Dry Soil	Metres	27.00	50	1350.00
	(ii). Hard soil/Murram/black cotton soil	Metres	28.00	100	2800.00
	(iii). Soft rock	Metres	38.00	50	1900.00
D-1	Placing of earth electrode of 25 /28 mm dia M.S. Rod of length 7.50 meters (approx.) to a depth of 8.00 meters from the top level of foundation including drilling of 200 mm dia earth pit having a throughout bore of 200 mm dia to a depth of 8.00 metres from the top level of the foundations in all types of rocks by DTH system and overburden including back filling of pit with Bentonite Slurry (with cost of Bentonite slurry) including its preparation transportation of M.S Rod and Bentonite from site store to location cutting of M.S Rod to desired length welding of earth electrode to earth mesh of M.s Rod as per drawing application of bitumen compound and covering with bitumen impregnated tape on all welded joints (M.S. Rod of above sizes & M.S Flat as required shall be made available by RVPN).				
	(a). In Case electricity is made available by RVPN without Charges.	Nos.	11,230.00	10.00	112,300.00
3	Bus-Bar Work				
A	Stringing of 220 KV , 132 KV, 33 KV & 11 KV Bus B of ACSR Conductor, including transportation of conductor, disc insulator and tension hardware from site stores to location, laying and cutting required length of conductor cleaning and assembly of disc insulators as required along with fitting of bolted type or compression type tension hardware as made available (compression machine shall be provided by RVPN on rent free basis) making up at one end stringing of conductors between the beams with specified sag and tension also equalizing sag and fitting spacers and spacer T-Clamps for twin conductor for three phases of conductors in each bus-section.				
PRJ1309	iii) Double ACSR Zebra	Section	1955.00	2	3910.00
B	JUMPERS of ACSR conductor(3 nos. Y-type) between bus to equipment or between equipment to equipment bus to bus, including transportation of conductor, disc Insulators and hardware from site stores to locations, cleaning and assembly of disc insulators as required along with fitting of suspension hardware and erection as required, cutting required length of conductor, making connections, fixing of spacers & spacer, T-Clamps as required tightening of clamps / connectors, dressing etc for three phase				
PRJ1312	i) Single ACSR Zebra /Panter conductor	Set	333.00	3	999.00
	ii) Double ACSR Zebra Conductor	Set	665.00	13	8645.00
5	ERECTION OF SUB STATION EQUIPMENTS				

C	Erection of Lightening Arrestor on already erected steel structures, including transportation of Lightening Arrestor, clamps & connectors, surge counter, etc. from site store to locations, fabrication of base frame, fixing of terminal connectors, surge counter, tightening of nuts&bolts etc. complete in all respect				
	i) 132 KV	Nos.	1422.00	3	4266.00
D	Erection of isolators on already erected steel structure including transportation of base frame. P.I. 's. contacts. Mechanism-box, clamps & connectors, etc. from site store to locations. Minor fabrication as required, and fixing of terminal connectors, etc. adjustment/alignment of isolator and its earth blade if provided for their smooth operation and final adjustment if required after jumpering.				
	ii) 132 KV				
	a) Without Earth Blade	Nos.	2596.00	1	2596.00
6	Erection of Control & Relay Panels complete in all respects including transportation to site store to control room, palcing on foundation / cable trench as per layout, interconnection between Control & Relay panels and with existing panels and with with existing panels, fixing of side /top covers and doorsearthling to existing Earth strip in control room, connection of bus wiring to existing panel and between control and relay panels as required				
PRJ1353	iii) Simplex Panel, DC Panel, RTCC Panel, PLCC Panel etc.	Nos.	632.00	1	632.00
7	Erection of Marshalling Kiosk / Line Matching Unit (LMU) / Line Matching & Distribution Unit (LMDU) complete in all respects including transportation to site store to location, palcing on foundation / cable trench as per layout, preparing for grouting etc.				
	i) 220 KV or 132 KV Marshelling Kiosk	Nos.	374.00	1	374.00
10	LAYING AND TERMINATION OF CABLES				
A	Control Cables				
	i) Laying of P.V.C. insulated unarmoured/ armoured control cables of 1.1 KV grade with copper conductor in cable trench as per specification as required, including transportation of cable drums from site store to location, laying in cable trenches cutting to required length, placing them on cable racks/ cable trays/cable batten dressing including removing and re-fixing trench covers as required, making necessary connections, testing cable making on both the terminating ends, etc. as required for connections, testing cable making on both the terminating ends, etc. as required for all sizes from 2c x 2.5 sq. mm to 20 c x 2.5 sq. mm, 4 c x 4 sq. mm and 4 c x 6 sq. mm				
	(a) Unarmoured control cables	Metres	5.00	2000	10000.00
	ii) Fixing of control cables in position with single compression nickel plated brass cable glands confirming to IS:12943 & having three metal washers and one rubber ring, including preparation of cable and drilling of corresponding holes in gland plates , etc. as required & including cost of cable glands for each cable gland of size				
	(a) 19 sq. mm unarmoured control cables	Nos.	44.00	80	3520.00
	(c) 25 sq. mm unarmoured control cables	Nos.	67.00	4	268.00
	(e) 32 sq. mm unarmoured control cables	Nos.	96.00	16	1536.00
	iii) Termination of wires of cables with copper conductor using copper terminal ends (pin or ring type as required of Dowell's or equivalent make as approved by the Engineer-In-Charge) duly crimped with crimping with crimping tool, including making wire ends ready for crimping, ferruling & dressing of wires, etc. as required including cost				
	(c) 4CX2.5 sq. mm	Each	43.00	25	1075.00
	(f) 12CX2.5 sq. mm	Each	128.00	2	256.00
	(h) 18CX2.5 sq. mm	Each	191.00	8	1528.00
	In case all the wires of any cable are not got terminated, then a deduction at the rate of Rs.3.00 shall be made for each end of the wires not terminated.				
	i) 4C x 4sqmm	Each	57.00	15	855.00
	In case all the wires of any cable are not got terminated, then a deduction at the rate of Rs.4.00 shall be made for each end of the wires not terminated.				
	TOTAL				158810.00
	Rs. One Lac Fifty-Eight Thousand Eight Hundred and Ten Only				

Donabalu
 JUNIOR ENGINEER(T&C)
 RVPN UDAIPUR HQ DEBARI

Jellmay
 ASSISTANT ENGINEER-I(T&C)
 RVPN UDAIPUR HQ DEBARI

Hoo
 EXECUTIVE ENGINEER(T&C)
 RVPN UDAIPUR

GENERAL INSTRUCTIONS REGARDING BID

1. The bidder, in their own interest is requested to read very carefully the bid documents before submitting the bid. The bidder can purchase bid documents from the O/o The Executive Engineer (T&C) RVPNL, Udaipur.
2. The bid should be addressed to The Executive Engineer (T&C) RVPNL, Near Gulab Bagh, Old Power House, Udaipur.
3. The bid shall be submitted in closed/sealed envelope duly super scribed "Laying of Earth mesh, Earthing of Structure & Equipments, Bus Bar and Cabling work for Augmentation work of 160 MVA, 220/132 KV Power Transformer (BHEL) at 220 KV GSS MADRI, Udaipur.
4. All additions and or alterations in the bid must be clearly initialed by the bidder.
5. Bids received late, after the date & time indicated above, due to any reason or incomplete bids shall not be accepted for consideration.
6. All documents required i.e. G-schedule shall be submitted by the bidder duly filled up in all respect with **Seal & Signature** on each page.
7. The Bid is being invited by The Executive Engineer (T&C) RVPNL, Udaipur having office Near Gulab Bagh, Old Power House, Udaipur and is to be sent on aforementioned address through registered post or handed over personally. E-mail id is xen.cm.udaipur@rvpn.co.in & contact no. is 9413382209.
8. Bid will be accepted upto 3:00 PM of Dated 22.11.2017 and will be opened on the same day i.e. on Dt. 22.11.2017 at 3:30 PM in the presence of bidders or their representative, who wish to be present.



**EXECUTIVE ENGINEER (T&C)
RVPN, UDAIPUR**