



RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED

[AN ISO 9001:2008 CERTIFIED COMPANY]

[Corporate Identity Number (CIN):U40109RJ2000SGC016485]

(Registered Office: Vidyut Bhawan, Jyoti Nagar, Jaipur-302005)

OFFICE OF THE EXECUTIVE ENGINEER (T&C)

CHANDERIYA, CHITTORGARH (RAJASTHAN) PIN: 312021

Mobile 9413382270: Email <xen.tnc.chittor@rvpn.co.in>

NO: RVPN / XEN / T&C / CHR / Works / F. - 04/ 2017-18 / D. 323

Date 26.09.2017

Notice Inviting Bid (Limited) No. 06 F. Year 2017-18

Sealed tenders are here by invited from reputed Firms / Contractors for execution for balance work of the Erection of steel structure, Laying of earth mesh, Equipment erection and stringing of Bus-Bar and jumpers, Installation of control panels, Cable laying and termination of cable work at 220KV GSS, RRVPL Sawa Dist. Chittorgarh.

Specification number	RRVPL/XEN/T&C/COR/WORKS/NIT NO.06/2017/18
Name of the work	Balance work of the Erection of steel structure, Laying of earth mesh, Equipment erection and stringing of Bus-Bar and jumpers, Installation of control panels, Cable laying and termination of cable work at 220 KV GSS, RVPNL Sawa (Chittorgarh).
Estimated Cost	Rs. 68082.00
Tender cost	Rs. 750.00
Period of completion	02 Month
Earnest Money	NIL
Validity period of offer	70 days
Last date for sale of tender specification	Up to 01.00 PM on 03.10.2017
Last date of submission of tender	Up to 02.00 PM on 03.10.2017
Date of opening of tenders	Up to 03.00 PM on 03.10.2017

Enclosed : G-schedule.

Note :- (1) For this NIB copy of the Bid specification (not transferable) can be obtained from this office in above mentioned date and time.

(2) Tender fees deposit to in favour AO (T&C), RVPNL Chittorgarh

Executive Engineer (T&C)
RVPN Chittorgarh

Copy to :

- (1) The Superintending Engineer (T&C) RVPN Chittorgarh.
- (2) Assistant Engineer (T&C) RRVPL Chittorgarh.
- ✓ (3) Feeder Manager (T&C) RVPN, Udaipur for Uploading on RVPN WEB PORTAL.
- (4) The Accounts Officer (T&C) RVPN, Chittorgarh.
- (5) M/S Geetangali Electricals, A 96 Jin Mata Mandir road, Near Badi Puliya , Bhilwara.
- (6) M/S Chamunda Engineering Enterprises VP- Gomana, Choti Sadari, Pratapgarh.
- (7) M/S New Tech Engineers, Badi Sadari, Chittorgarh.
- (8) Notice Board

Executive Engineer (T&C)

RVPN Chittorgarh

Signature of Bidder

OFFICE OF THE ASSISTANT ENGINEER(T&C), RRVPNL, CHITTORGARH

G-Schedule

Name of Office:- THE ASSISTANT ENGINEER(T&C), RVPN, CHITTORGARH

Name of work:- Balance work of 220KV switchyard at 220KV GSS S: as per BSR 2017

Sr. No.	Work Description	Unit	Rate (Rs.)	Qty.	Amount (in Rs)
	EARTH-MESH WORK				
1	B-1 Laying of earthing risers with 50X6mm/50X10mm/50X12mm size M.S.Flat at a depth of .80meter from top level of foundations, including excavation of trench of required depth and back filling of the same transportation of M.S.Flat from site store to location Welding /bolting to equipment/ structure and peaks of structures,laying in the trench,welding to the earth mesh of M.S.Rod as per drawing,including of extra length of M.S.Flat if required . Application of bitumen compound and covering with bitumen impregnated tape on all welding joints,painting of all surfaces of risers above ground level with red oxide and green paint for all type of soil prevalent at 0.80meter below top level of foundation (M.S. Rod of above size & M.S. flat as required shall be made available by RVPN)				
	(a) In case electricity is made available by RVPN without charges				
	(iii) Soft rock/disintegrated rock	Mtrs.	38	100	3800
2	ERECTION OF SUB-STATION STEEL STRUCTURES columns,beams lighting mast and equipment structure (excluding Circuit Breakers and Capacitor Banks) of all types including transportation of structure members, nuts & bolts,washers,etc. from site store to locations as required .Their assembly placing on foundation ,fixing of template with foundation bolts as required,lavelling and preparing for grouting as required but excluding grouting,erection after grouting and tightining & punching of nuts &bolts (Maximum Height of structures up to 20 meters)	MT	2321	1	2321
	BUS-BAR WORK				
3	Stringing of 220KV, 132KV, 33KV & 11KV Bus Bar of ACSR conductor,including transportation of conductor ,disc insulator ,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.				
	(ii) Single ACSR Zebra	Section	1356	1	1356
4	JUMPERS OF ACSR CONDUCTOR (3Nos., 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 location, cleaning and assembly of disc insulators as required, cutting required length of conductors, making connections, fixing of spacer, T- clamps as required tightening of clamps/ connectors, dressing etc. for three phase				
	(ii) Single ACSR Zebra/ Panther conductor	Set	333	30	9990
	(ii) Double ACSR Zebra/ Panther conductor	Set	665	2	1330
5	STRINGING OF EARTH WIRE (Size 7/3.15mm or 7/4.00mm) including transportation of earth wire, tension hardware etc. from site to locations.laying and cutting required length of earth wire fitting of bolted type or compression type hardware as made available (compression machine shall be provided by RVPN on rent free basis) making up to at one end stringing of earth wire between structure peaks with specified sag and tension jumpering and connecting earth bonds for single earth wire.	Each	292	5	1460
	ERECTION OF SUB-STATION EQUIPMENTS				
6	Erection of current Transformer/Potential Transformer/ Capacitive voltage Transformer with clamps & connectors on already erected steel structure including transportation from site store to locations, fabrication of base frame,fixing of terminal connectors,tightening of nuts & bolts etc. complete in all respect.				
	220KV CT/ PT / CVT	Nos.	2529	6	15174

N. S. J.
TS

M. S. J.
ASSISTANT ENGINEER
(T&C) R.R.V.P.N.L.
CHITTORGARH

M. S. J.
EXECUTIVE ENGINEER (T&C)
RRVPNL, CHITTORGARH

7	Erection of isolators on already erected steel structure including transportation of frame Pis. 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 adjustment if required after jumpering.				
	(i) 220 KV				
	a) With Out Earth Blade	Nos.	4400	4	17600
	c) Tendum	Nos.	4899	2	9798
8	Erection of Marshalling Kiosk/Line Matching Unit (LMU) / Line Matching & Distribution unit (LMDU) complete in all respects including transporation to site to location, Placing on foundation/cable trench as per lay out, preparing for grouting etc.				
	(i) 220KV or 132 KV Marshelling Kiosk	Nos.	374	1	374
9	Erection of Post insulators on already erected structures including transporation of Pis nut & bolts, clamps & connectors, etc from site store to locations, fabrication of base frame & assemble if required, fixing of clamps. Etc.				
	220 KV	Nos.	883	3	2649
LAYING AND TERMINATION OF CABLES					
Control Cable					
10	Laying of PVC 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 drum from site to 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 nenecessary connections, testing cable making on both the tremination ends. etc. as per required for all size from 2cX2.5sq.mm. to 20c x 2.5 sq.mm 4cx4sq.mm. and 4cx6sq.mm.				
	a) Unarmoured control cables.	Mtrs.	5	100	500
11	Fixing of control cable in position withsingle 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 gland fo size.				
	19 sq.mm. unamoured control cables	Mtrs.	44	10	440
12	Termination of wire of cables with copper counductor using copper terminal ends Pin or ring type as required of Dowell's or equivalent make as approved by Engineer - in-Charge dully crimped with crimping tool ,including making wire end ready for all wires for each cable at both ends for cable of the following sizes.				
	4CX2.5sq.mm	Each	43	30	1290
TOTAL <i>Excluding GST</i>					68082

Rupees;- sixty eight thousand and eight two only.

N. Singh
JBN

H. S. J.
EXECUTIVE ENGINEER (T&C)
RRVPNL, CHITTORGARH

M. B. Patel
ASSISTANT ENGINEER
(T&C) R.R.V.P.N.L.
CHITTORGARH