


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. - 02/ 2017-18 / D . 18

Date 13 -04 - 2017

Notice Inviting Bid No. 02 F. Year 2017-18

Sealed tenders are here by invited from reputed Firms / Contractors for execution 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 for 33KV Capacitor Bank at 132 KV GSS RRVPNL, Gatol(Banswara)

Specification number	RRVPN/XEN/T&C/COR/WORKS/NIT NO.02/2017-18
Name of the work	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 for 33KV Capacitor Bank at 132 KV GSS RRVPNL, Gatol (Banswara)
Estimated Cost	Rs. 104456.00
Tender cost	NIL
Period of completion	03 Month
Earnest Money	NIL
Validity period of offer	70 days
Last date for sale of tender specification	Up to 01.00 PM on 28.04.2017
Last date of submission of tender	Up to 02.00 PM on 28.04.2017
Date of opening of tenders	Up to 03.00 PM on 28.04.2017

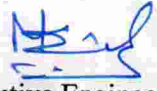
Enclosed : G-schedule.

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


 Executive Engineer (T&C)
 RVPN Chittorgarh

Copy to :

- (1) The Superintending Engineer (T&C) RVPN Chittorgarh.
- (2) Assistant Engineer (T&C) RRVPNL Banswara.
- (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

33 KV ,5.43 MVAR Shunt Capacitor Bank work at 132 KV GSS Ghatol(Banswara)

G-Schedule for Erection of Steel Structure,Laying of Earth Mesh, Equip. Erection , Stringing of Bus Bar &cabling work for capacitor bank at 132 KV GSS Ghatol BSR
RATES AS PER 2011

BSR Item No.	Description	Unit	Rate (Rs.)	Quantity	Amount (Rs.)
1	EARTH MESH WORK				
A	Laying of earth mesh with 25mm/28mm.dia. M.S.Rod at a depth of 0.80 metre from top level of foundations, including excavation of trench of required depth and back filling of the same, transportation of M.S.Rod from site store to locations, welding of M				
	a) In case electricity is made available by RVPN without charges.				
	i) Normal dry soil	Metres	18.00		
	ii) Hard soil/Murram/black cotton soil	Metres	19.00	50	950.00
	iii) Soft rock	Metres	26.00	100	2600.00
	v) Hard rock(blasting prohibited)	Nos.	45.00	75	3375.00
B	Laying of earthing risers of 50x6mm/50x10mm/50x12mm size M.S.Flat at a depth of 0.80 metre from top level of foundations, including excavation of trench of required depth and backfilling of the same, transportation of M.S.Flat from site store to location				
	a) In case electricity is made available by RVPN without charges.				
	i)Normal dry soil	Metres	20.00		0.00
	ii) Hard soil/Murram/black cotton soil	Metres	21.00	25	525.00
	iii) Soft rock	Metres	29.00	50	1450.00
	v) Hard rock(blasting prohibited)	Nos.	49.00	50	2450.00
C	Placing /Driving 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 throughout bore of 200 mm dia.to a depth of 8.0 mtr. from top level of foundation in all types of rocks by DTH system and over burden including backfilling of pit with bentonite slurry(with cost of bentonite slurry) including its preparation transportation of M.S. Rod to desired length welding of earth electrodes to earth mesh of M.S.Rod as per drawing application of bitumen compound and covering bitumen impregnated tape on all welded joints (M.S. Rod of above sizes & M.S. Flatas required shall be made available by RVPN.				
	a)In case electricity is made available by RRVPN without charges	Nos.	8438.00	6	50628.00
2	ERECTION OF STEEL STRUCTURE				
	ERECTION OF SUB-STATION STEEL STRUCTURES columns, beams, lighting mast and equipment structures (excluding Circuit Breakers and Capacitor Banks) of all types including transportation of structure members,nuts & bolts, washers, etc. from site store to locations, their assembly, placing on foundation, fixing of template, with foundation bolts as required, levelling and preparing for grouting as required, but excluding grouting, erection after grouting and tightening & punching of nuts & bolts. (Maximum height of structures up to 20 meters)	MT	1744.00	4.5	7848.00
3	Bus-Bar Work				
	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 requiredlengthof conductor cleaning and assembly of disc insulators				
	i) Single ACSR Panther	Section	875.00	1	875.00
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				

	i) Single ACSR Zebra /Panther conductor	Set	250.00	15	3750.00
4	STRINGING of Earth wire(size 7/3.15 min or 7/4.00 mm) including transportation of earthwire, tension hardwares, etc., from site store to locations, laying and cutting required length of earthwire, fitting of bolted type or compression type hardware as ma	Each	219.00	3	657.00
5	ERECTION OF SUB STATION EQUIPMENTS				
B	Erection of Current Transformer / Potential Transformer / Capacitive voltage Transformer / Series Reactor / Residual Voltage Transformer /Neutral Current 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 respects				
	iii) 33 KV or 11 KV CT / PT	Nos.	400.00	3	1200.00
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,				
	iii) 33 KV & 11 KV				
	a) Without Earth Blade	Nos.	688.00	1	688.00
	b) With Single Earth Blade	Nos.	1025.00	2	2050.00
F	Erection of 2 X 33 KV or 2 X 11 KV Capacitor bank, with series reactors & residual voltage transformers/neutral current transformers, including transportaion of equipments, structure members, nuts & bolts washers, clamps & connectors etc. from site store to location assembly of structure, their placing on foundation, leveling and preparing for grouting as required, but excluding grouting, assembly of capacitor bank cells on frames as required & their connections as per manufacture's drawings, fixing of terminal connectors, etc.	Each	13875.00	1	13875.00
G	Erection of post insulator on already erected structures including trasportation of P.I.'s nuts & bolts, clamps & connectors, et. From site store to locations, fabrication of base frame & assembly if required, fixing of clamps, etc.				
(ii)	33 KV or 11 KV	Nos.	56.00	2	112.00
H	Erection of 33 KV or 11 KV Circuit Breakers including transportation of equipment, structure members, nuts & bolts, clamps & connectors, etc. from site store to location, assembly of support structure, their placing on foundation, levelling and preparing for grouting as required, but excluding grouting, assembly / placing of poles, mechanism box, etc. on support structure as per manufacturer's drawings, fitting of terminal connectors, etc. but excluding commissioning of CB.				
	i) 33 KV or 11KV Outdoor Type (VCB / SF 6)	Nos.	5563.00	1	5563.00
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 exist	Nos.			
	iii) Simplex Panel, DC Panel, RTCC Panel, PLCC Panel etc.	Nos.	475.00	1	475.00
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 of				
	ii) 33 KV or 11 KV Marshelling Kiosk	Nos.	144.00	1	144.00
10	Laying and termination of cable				
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, cutti				
	(a) Unarmoured control cables	Metres	4.00	900	3600.00
	(b) Armoured control cables	Metres	4.00		
	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.	33.00		0.00
(b) 19 sq. mm armoured control cables	Nos.	37.00	15	555.00
(c) 25 sq. mm unarmoured control cables	Nos.	50.00		0.00
(d) 25 sq. mm armoured control cables	Nos.	55.00		
(e) 32 sq. mm unarmoured control cables	Nos.	72.00		0.00
(f) 32 sq. mm armoured control cables	Nos.	80.00	2	160.00
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 e				
(a) 2CX2.5 sq. mm	Each	16.00		
(b) 3CX2.5 sq. mm	Each	24.00		0.00
(c) 4CX2.5 sq. mm	Each	32.00	20	640.00
(d) 6CX2.5 sq. mm	Each	48.00		0.00
(e) 10CX2.5 sq. mm	Each	80.00		
(f) 12CX2.5 sq. mm	Each	96.00		0.00
(g) 16CX2.5 sq. mm	Each	127.00		
(h) 18CX2.5 sq. mm	Each	143.00	2	286.00
In case all the wires of any cable are not got terminated, then a deduction at the rate of Rs. 300 shall be made for each end of the wires not terminated.				
(i) 4CX4 sq. mm	Each	43.00		0.00
(j) 6CX4 sq. mm	Each	64.00		
(k) 6CX6 sq. mm	Each	43.00		
(l) 4CX6 sq. mm	Each	64.00		
TOTAL				104456.00


JEN (T&C)
Banswara


AEN (T&C)
RRVPNL, BANSWARA


XEN (T&C)
RRVPNL, CHITTORGARH