

**RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED**

[Corporate Identity Number (CIN): U40109RJ2000SGC016485]

Regd. Office: VidyutBhawan, Jyoti Nagar, Jaipur - 302005

**OFFICE OF THE SUPERINTENDING ENGINEER (T&C)****220 KV GSS PREMISES , PUR ROAD-BHILWARA (311001)**

Telephone Nos.: - 01482-240739 Mobile: : 91-9413340500/ 94140-61034

Electronic mail address: [se.tnc.bhilwara@rvpn.co.in](mailto:se.tnc.bhilwara@rvpn.co.in) Website: [www.rvpn.co.in](http://www.rvpn.co.in)

Tenders are hereby invited in e-tender system for Construction of 132 KV Transmission Line from 132 KV GSS Raila to Proposed 132 KV/25 KV TSS (Railway ) Sareri (Bhilwara) Tenders are to be submitted online in electronic format on website <http://eproc.rajasthan.gov.in>. The tender document/ specification can be downloaded from above mentioned website.

**GENERAL DETAIL OF WORKS:**

<b>A</b>	<b>NIT No.</b>	<b>09 /2016-17 (II)</b>
<b>B</b>	<b>Work Description</b>	Construction of 132 KV Transmission Line from 132 KV GSS Raila to Proposed 132 KV/25 KV TSS (Railway ) Sareri (Bhilwara)
<b>C</b>	<b>Cost of Tender Specification</b>	<b>Rs. 2500.00 (Two Thousand Five Hundred Only)</b>
<b>D</b>	<b>Processing Fee of RISL</b>	<b>Rs. 1000.00 (One Thousand Only)</b>
<b>E</b>	<b>Bid Security</b>	<b>Rs. 124000/- Only</b>
<b>F</b>	<b>Estimated Cost</b>	<b>Rs. 62,00,000/- (Approx.)</b>
<b>G</b>	<b>Validity</b>	<b>120 days after the date of Tender Opening</b>

**IMPORTANT DATES:**

S.No.	Events	Date & Time	Location
(i)	Date of downloading of tender specification	28/12/2016 (10:00 Hours) to 18.01.2017 (17:00 Hours)	<a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a> and <a href="http://sppp.rajasthan.gov.in">http://sppp.rajasthan.gov.in</a>
(ii)	Deposit of Cost of Tender Specification, Processing Fee & Bid Security	18/01/2017 Up to (15:00 Hours)	Office of the SE(T&C), RVPN, Bhilwara ,
(iv)	Last date & time of submission of electronic bid	18/01/2017 (17:00 Hours)	<a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
(v)	Opening of Technical Bid	19/01/2017 (11:00 Hours)	<a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
(vi)	Opening of Price Bid	19/01/2017 (15:00 Hours)	<a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>

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**NOTE :**

1. The bidders are requested to submit their bids prior to last date of submission to avoid Non-submission of their bids up to prescribed date due to non-availability of / hanging of website at last moments. The date of submission of bids will not be extended if system is hang up in last hours or congestion.
  2. Furnishing of Bid Security / Exemption certificate as per clause No.1.03 of Section-I of this specification is essential otherwise the electronic bid will not be opened.
  3. (i) The bidder will have to deposit prescribed cost of tender specification by DD/Banker's cheque payable in favour of **Accounts Officer (TnC), RVPN Ltd., Bhilwara** up to stipulated date & time in the office of the A.O (T&C), Bhilwara 311001 and obtain a receipt thereof.  
(ii) The bidder will have to deposit prescribed Bid Security by DD/Banker's Cheque of schedule Bank payable at Bhilwara in favor of **Accounts Officer (TnC), RVPN Ltd., Bhilwara** up to stipulated date & time in the office of the S.E (T&C), RVPN, Bhilwara.  
(iii) The bidder will have to submit prescribed processing fee by DD/Banker's Cheque of schedule Bank in favor of **M.D, RISL payable at Jaipur** up to stipulated date & time in the office of the SE(T&C),RVPNL, Bhilwara.
  4. Bid security is to be furnished also by the Vendors registered with the NIGAM.
  5. The Central and State Govt. undertaking/Corporations and companies are exempted from furnishing of bid security. However, they have to upload copy of certificate/documentary evidence in support of their being Govt. undertaking, with their bid.
  6. Offers of bids without relevant documents with respect to qualifying requirements shall not be considered..
  7. Technical and Commercial deviations, if any, shall only be mentioned in **Schedule-VIII Section IV 'Departure from the Specification'** attached with this specification. Mentioning of such deviations elsewhere in the offer will not be considered as deviation. The printed terms and conditions of firms, if any, attached with the tender will not be considered. RVPN shall have right to accept or reject these deviations.
  8. Offers of bids without **Schedule-I to X** and without relevant documents with respect to qualifying requirements shall not be considered.
  9. Any cutting / over writing in the figures of tendered documents should also be clarified / indicated in words duly signed.
  10. The bidders are required to furnish the clarification/confirmation/ documents sought subsequent to opening of bid within specified time failing which, the case shall be finalized/decided on the basis of available information. The responsibility of being ignored on account of delay in furnishing of desired information/documents shall be of the bidder.
  11. The **Bid** documents can be downloaded from web site <http://eproc.rajasthan.gov.in>. Details of this **Bid** notification and pre-qualification criteria can also be seen in NIT exhibited on website [www.rvpn.co.in](http://www.rvpn.co.in) and <http://sppp.raj.nic.in>. **Bids** are to be submitted online in electronic format **only** on website <http://eproc.rajasthan.gov.in>.
  12. The bidders who are interested in bidding can download **Bid** documents from <http://eproc.rajasthan.gov.in> up to the stipulated date & time.
  13. Bidders who wish to participate in this **Bid** will have to register on <http://eproc.rajasthan.gov.in> (bidders registered on [eproc.rajasthan.gov.in](http://eproc.rajasthan.gov.in) before
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30.09.2011 need to register again). To participate in online **Bids**, bidders will have to procure Digital Signature Certificate (Type-II or Type-III) as per Information Technology Act-2000 by using which they can sign their electronic bids. Bidders can procure the same from any CCA approved certifying agency i.e TCS, Safecrypt, Ncode etc. or they may contact e-Procurement Cell, Department of IT & C, Government of Rajasthan for future assistance. Bidders who already have a valid Digital Certificate need not to procure a new Digital Certificate.

Contact No. 0141 – 4022688 (Help desk 10.00 AM to 6.00 PM on all working days)  
e-mail [eproc@rajasthan.gov.in](mailto:eproc@rajasthan.gov.in)

Address : e-Procurement Cell, RISL, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur

14. Bidder shall submit their offer online in electronic formats both for technical and financial proposals. However, cost of specification and Bid Security in the office of **Accounts Officer (TnC), RVPN Ltd., Bhilwara** and Processing Fee with S.E (T&C), RVPN, Bhilwara should be submitted physically at Pur Road, Bhilwara Office, up to stipulated date & time. The Bidders shall upload scanned copies of receipts / acknowledgement of above fee documents along with their online bid.
15. Before electronically submitting the Bids, it should be ensured that all the papers including conditions of contract are digitally signed by the Bidder.
16. Bidders are also advised to refer "Bidders Manual" available under "Downloads" section for further details about the e-Bidding process.
17. The tenders are being invited by Superintending Engineer[T&C] Rajasthan Rajya Vidyut Prasaran Nigam Limited having office at Pur Road, Bhilwara [Rajasthan] E-mail id is [se.tnc.bhilwara@rvpn.co.in](mailto:se.tnc.bhilwara@rvpn.co.in) and contact no. is 9413382702, Sh. M.K. Saxena, TA to SE[T&C] RVPN Bhilwara.
18. The procurement process shall be governed by RTPP Act 2012 and RTPP Rules 2013.
19. The construction work is to be done as per RVPN BSR-2015 effective from 01.04.2015 for which Bill of Quantity (BOQ) shall be provided with Bid specification.
20. The work is to be completed within 6 Months of placement of order (one month time for mobilization of resources in addition to the above mentioned completion Time).
21. **Qualifying Requirement: Only those firms who have completed construction of 8 KM line of 132KV and above voltage Level in last two year shall be allowed to participate in the bid. A completion certificate issued by authority not below the rank of Superintending Engineer is to be enclosed as proof of qualification.**
22. The Purchaser does not bind himself to accept the lowest or any Bid or any part of the Bid and shall not assign any reason(s) for the rejection of any Bid or a part thereof.
23. The bidder will have to quote the FIRM prices inclusive of all taxes and duties and other related cost.
24. The online tenders will have to be digitally signed and submitted in time specified on <http://eproc.rajasthan.gov.in> in the following manner:-

#### **ONLINE SUBMISSION :**

The tenderer have to submit their bid in 3 covers comprises of

#### **(a) Cover 1 (.pdf) : FEE (scanned copies)**

- (i) Proof of depositing cost of tender specification i.e the receipt issued by the **Accounts Officer (TnC), RVPN Ltd., Bhilwara** on account of depositing the cost of tender

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specification through DD/Banker's Cheque payable in favour of **Accounts Officer (TnC), RVPN Ltd., Bhilwara**

(ii) Proof of submitting Processing Fee i.e the **acknowledgement** issued by the Executive Engineer (TA to SE T&C) Bhilwara on account of depositing the processing fee through DD/Banker's Cheque in favour of M.D, RISL payable at Jaipur. (u)

(iii) (a) Proof of depositing bid security i.e the **receipt/ acknowledgement** issued by the **Accounts Officer (TnC), RVPN Ltd., Bhilwara** on account of depositing bid security through DD/Banker's Cheque payable in favour of **Accounts Officer (TnC), RVPN Ltd., Bhilwara** or bank guarantee in prescribed format.

(b) Bid security is to be furnished also by the Vendors registered with the NIGAM.

(c) The Central and State Govt. undertaking/Corporations and companies are also exempted from furnishing of bid security. However, they have to upload copy of certificate/documentary evidence in support of their being Govt. undertaking, with their bid.

**(b) Cover 2 (.pdf) : TECHNO COMMERCIAL BID (scanned copies)**

The technical information has to be prepared very carefully since it will be the basis for the pre-qualification of bidders. Only relevant and to the point information should be indicated. Tenderers should neither supply information not requested in the specification nor make any comments. Failure to provide any required information, may lead to the rejection of the offer. Tenderer must read Section-I, Section-II, Section-II(A), Section-III & Appendix of specification very carefully before signing on it. Similarly, Schedules-II to X of Section-IV, Documents in support of qualifying requirement & Bar-chart etc. must be signed digitally on each & every page by the authorized representative of the firm after filling requisite information/details, desired in the specification & PQR (Pre Qualifying Requirement).

**(c) Cover 3 (.xls) : FINANCE : PRICE BID**

This cover consists of price schedules (BOQ) for erection, testing and commissioning of **132 KV Transmission Line from 132 KV GSS Raia to Proposed 132 KV/25 KV TSS (Railway ) Sareri (Bhilwara)(approx. 9.5 Km)**. The tenderer must quote the prices for the line in the manner as indicated in the Price schedules, failing which tender is liable for rejection. The rates/prices shall be entered in figures in % **Excess / Less**. These schedule(s) must be digitally signed by the authorized representative of the firm.

25. The bidder, if is a Micro, Small or Medium enterprise as per the Micro, Small & Medium enterprise development act, 2006 (MSMED Act 2006) and registered with the authorities under the above Act for the items/services covered under this tender, then the firm has to indicate the Entrepreneurs Memorandum No. (Twelve Digit) and scanned copy of the certificate issued by the Authorities under the MSMED Act, 2006 should be uploaded along with the online bid.

26. Payment shall be made to supplier/contractor through RTGS/NEFT for quick and safe transfer of funds across the country. The charges for transfer through RTGS/NEFT shall be on the part of supplier/ contractor. The supplier / contractor shall furnish particulars to the payment making authorities of RVPN in prescribed format to be provided by the purchaser.

27. This specification includes Section-I, Section-II, Section-II(A), Section-III, Appendix and Section-IV(Schedules)

  
**SUPERINTENDING ENGINEER (T&C)**  
**R.R.V.P.N.L., BHILWARA**





**'G' Schedule for construction of 132 KV S/C Two Phase Transmission Line on D/C Towers from 132 KV GSS, Raila to proposed 132KV/25KV TSS (Railway) Sareri(Bhilwara)**

Project Code 160302

Name of Office - The Assistant Engineer - I (T&C) RRVPNL Bhilwara

Name of Work - Construction of 132 KV Transmission Line from 132 KV GSS, Raila to proposed 132KV/25KV TSS (Railway) Sareri(Bhilwara)

Reference of BSR - RVPN/SE/TLPC/XEN/TL-A4/BSR/D.856 DATED 25.06.2015 w.e.f 01.04.2015



S. No.	Item no. of BSR	Particular	Unit	Qty	Unit rate updated as on 01.04.15	Amount in RS.
1	2	3	4	5	6	7
1	1	Detail Survey as per tentative route which includes the following major activities-Pegging of line route,providing of survey pillar at an intervalof 3-4 KM in the line route with required jungle clearance for survey. Profile preparation of approved route on graph sheet and marking of offset on either side of line, marking of side clearance for hills,sand dunes etc,as per specification and tower scheduling	km	9.5	8756	83182.00
2	2	Check survey as per approved route of line which includes -Re-checking of the line route as per approved profile chainage.Tower centre marking pit marking bisection of angle tower as required at site.	km	9.5	3255	30922.50
	3	<b>Excavation-</b>				
		Excavation, excluding back filling, including shoring shuttering dewatering etc. up to the required depth as per foundation specification/ drawings				
3		(i) Normal soil	cum	100	259	25900.00
4		(ii) Murram/Black cotton/Hard soil/Dense soil	cum	200	548	109600.00
5		(iii) Soft rock/disintegrated rock.	cum	500	605	302500.00
6		(iv) Hard Rock ( Blasting prohibited )	Cum	50	1383	69150.00
7		(v) Hard rock (with blasting)	cum	200	1269	253800.00
	4	<b>SETTING OF TEMPLATE &amp; STUB/ANCHOR BOLT</b>				
		Setting of template & stub/anchor bolt & removal after concreting, excluding cost of excavation and concreting but including back filling with excavated borrowed earth (lead and lift) in layers with ramming and watering as per specification				
		<b>(B) 132 kv Double Circuit tower upto +6 m. extension</b>				
8		(i) Tangent Tower (TTA)	nos.	20	3343	66860.00
9		(ii) Small angle tower (TTB)	nos.	4	4665	18660.00
10		(iii) Medium angle Tower (TTC)	nos.	2	5040	10080.00
11		(iv) Large angle cum dead end Tower (TTD)	nos.	5	5414	27070.00
		<b>F(a) 220 kv Double Circuit tower upto +9m extension</b>				
12		(i) Large angle cum dead end Tower (TTD)	nos.	1	7458	7458.00
		<b>(G)220 kv Double Circuit Narrow Base Tower(350M span) upto +6m extension</b>				
13		(iv) Large angle cum dead end Tower (TTD)	nos.	2	7458	14916.00
	5	<b>CONCRETING :</b>				
		Providing and laying cement concrete for all types of foundation as per latest ISS:456 including cement sand stone aggregate 20 mm nominal size wate etc. preparing surfaces, shuttering, mixing, placing, ramming, curing,finishing as per specification and drawings.				
14		(ii) 1:3:6 mix	cum	250	8525	2131250.00
15		(iii) 1:2:4 mix	cum	20	8784	175680.00
16		(iv) 1:1.5:3 mix	cum	65	10715	696475.00
17	6	Cutting, bending, welding of joints if required, fixing and placing of steel reinforcement as per specification and drawings including material.	MT	10	61496	614960.00
		C/F				4638463.50

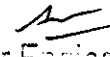
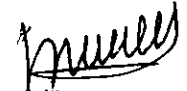
*[Signature]*  
 SUPERINTENDING ENGINEER (T&C)  
 RRVPNL., BHILWARA

*[Signature]*  
 Junior Engineer (T&C)  
 RRVPNL., BHILWARA

*[Signature]*  
 Assistant Engineer (T&C)  
 RRVPNL., BHILWARA

B/F						4638463.50	
7	<b>EARTHING:</b>						
	(A) Earthing of towers with pipe type earthing excluding the supply of pipes, wires, flats & connectors, but including coke/ charcoal, etc., excavation, augering and backfilling in all types of soil	set	10	1568	15680.00		
18	(B) Earthing of towers legs with counterpoise type earthing excluding supply of materials but including excavation and backfilling in all types of soil.						
19	(i) each set by laying 4 wires each 15m long at a depth of 600mm	set	24	1960	47040.00		
8	<b>ERECTION OF TOWERS :</b>						
	Erection of super structures including D-shackles, ACD, Hangers, U-Bolts, step bolt, danger plate, phase plate, number plate etc. including lack welding of bolts & nuts upto bottom cross arm/ beam level including application of Zinc Rich paint						
	<b>(B) 132 kv Double Circuit tower</b>						
20	(i) Tangent Tower (TTA)	nos.	20	13190	263800.00		
21	(ii) Small angle tower (TTB)	nos.	4	19010	76040.00		
22	(iii) Medium angle Tower (TTC)	nos.	2	22406	44812.00		
23	(iv) Large angle cum dead end Tower (TTD)	nos.	5	30704	153520.00		
	<b>(F) 220 kv Double Circuit tower</b>						
24	(iv) Large angle cum dead end Tower (TTD)	nos.	1	45391	45391.00		
	<b>(G) 220 kv Double Circuit Narrow Base Tower(350M span)</b>						
25	(iv) Large angle cum dead end Tower (TTD)	nos.	2	49691	99382.00		
9	Erection of 3 meters extension including tack welding of all bolts & nuts and application of zinc rich paint						
	<b>(B) 132 kv Double Circuit tower</b>						
26	(i) Tangent tower (TTA)	nos.	3	2018	6054.00		
27	(ii) Small angle tower (TTB)	nos.	1	2823	2823.00		
28	(iii) Medium angle Tower (TTC)	nos.	1	3343	3343.00		
29	(iv) Large angle cum dead end Tower (TTD)	nos.	2	4061	8122.00		
	<b>(E) 220 kv Double Circuit Tower</b>						
30	(iv) Large angle cum dead end Tower (TTD)	nos.	1	8756	8756.00		
10	Erection of 6 meters extension including tack welding of all bolts & nuts and application of zinc rich paint						
	<b>(B) 132 kv Double Circuit tower</b>						
31	(i) Tangent tower (TTA)	nos.	2	3888	7776.00		
32	(ii) Small angle Tower (TTB)	nos.	1	5129	5129.00		
33	(iv) Large angle cum dead end Tower (TTD)	nos.	1	7748	7748.00		
	<b>(G) 220 kv Double Circuit Narrow base Tower(350M span)</b>						
34	(iv) Large angle cum dead end Tower (TTD)	nos.	2	11101	22202.00		
13	<b>CONDUCTOR STRINGING</b>						
	(A) Stringing of ACSR Panther including hoisting of insulator string, laying, jointing & tensioning of conductor, clamping with Armour rods and fixing of vibration damper per route KM of the line						
35	(i) 2 conductor for S/C Line	km.	9.5	26440	251180.00		
14	<b>EARTH WIRE STRINGING</b>						
	(A) Stringing of galvanised steel stranded wire including laying, jointing & tensioning, clamping, clipping and fixing vibration damper and earth bond etc.						
36	(i) One No. 7/3.15mm galvanised wire	km.	9.5	6713	63773.50		
C/F						5771035.00	

  
 06/12/16  
**SUPERINTENDING ENGINEER (T&C)**  
 RRVPNL., BHILWARA  
  
**Executive Engineer (T&C)**  
 RRVPNL Bhilwara


  
**Junior Engineer (T&C)**  
 RVPNL BHILWARA  
  
**Assistant Engineer (T&C)**  
 RVPNL BHILWARA

		B/F			5771035.00
18	<b>RIVETMENT OF TOWERS</b>				
37	(A) Providing and laying cement concrete including curing, compaction etc. complete using stone aggregate 40 mm nominal size ( crusher broken ) in foundation plinth, using 1 Cement: 5 sand : 10 aggregate mix..	Cum	25	2263	56575.00
38	(B) Random rubble stone masonry for rivetment in 1:5 cement sand mortar including providing and fixing 100 mm dia PCC drain pipe & raised and cut-pointing on stone masonry in 1:3 cement sand mortar excluding excavation but including back filling inside rivetment using excavated/ borrowed earth (with all lead & lift ) in layers not exceeding 20 cm in depth & consolidating each deposited layer by ramming and watering.	Cum	150	2167	325050.00
39	(D) Cement concrete coping grade 1:2:4 ( 1cement : 2 coarse sand:4 graded stone aggregate ) rounding off edges etc. but excluding the cost of nosing of steps etc. complete for 75 mm thick with 20 mm thick nominal size aggregate	Sqmtr	100	348	34800.00
<b>GRAND TOTAL</b>					6187460.00

(Rs. Sixty One Lacs Eighty Seven Thousand Four Hundred Sixty Only)


Note: The Rate of stringing of conductor (3Phase) is Rs 39660.00 per Km. So the rate of stringing of 2Phase conductor is Rs 26440.00 per Km.

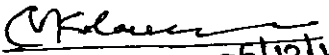
  
Junior Engineer (T&C)  
RVPNL, BHILWARA

  
Assistant Engineer-I (T&C)  
RVPNL, BHILWARA

The estimate <sup>is checked</sup> has been arithmetically checked & found correct.

  
Jr. Acct./AAO  
  
AO (T&C)  
R.V.P.N.L. BHILWARA

  
Executive Engineer (T&C)  
RRVNL, BHILWARA

  
SUPERINTENDING ENGINEER (T&C)  
RRVNL., BHILWARA  
25/12/16