



RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED  
 [Corporate Identity Number (CIN): U40109RJ2000SGCO16485]  
 Regd. Office: Vidyut Bhawan, Janpath, Jyoti Nagar, Jaipur-302005.  
 (An ISO 9001:2008 Certified Company)

OFFICE OF THE EXECUTIVE ENGINEER (T&C) SAWAI MADHOPUR-  
 Tele/ Fax:-07462-220489, E-Mail: - [xen.tnc.swm@rvpn.co.in](mailto:xen.tnc.swm@rvpn.co.in) Web site:[www.rvpn.co.in](http://www.rvpn.co.in)

No: RVPN/XEN/T&C/SWM /F. Construction /TN-02/17-18 /D. 42 Dated 20.04.2017

**TENDER SPECIFICATION BID NO: TN-02/2017-18)**

Sealed Tenders under BID No: TN-02/2017-18 are invited from experienced Bidders Owners for Augmentation Work of (+)1 x 20/25 MVA and (-)1x10/12.5 MVA, 132/33 kV at 132 KV GSS Lakheri under the O/o AEN (T&C), RVPN, Sawai Madhopur as per our terms & condition:

**GENERAL DETAIL OF WORKS:**

A	NIT/BID No.	TN-02/2017-18)
B	Work Description	Augmentation Work of (+)1 x 20/25 MVA and (-)1x10/12.5 MVA, 132/33 kV at 132 KV GSS Lakheri
C	Cost of Tender Specification	NIL
D	Bid Security/EMD	Rs. 1900 /- (Rupees Three Thousand Only)
E	Estimated Cost	Rs. 93485.00 /- (As per G-Schedule/BOQ)
F	Validity	120 days after the date of Tender Opening

**IMPORTANT DATES:**

S. No	Events	Date & Time	Location
(i)	Issue of Tender Specification, & Bid Security	Up to 27.04.17 (13.00 Hours)	Office of the XEN (T&C),RVPN Kherda, Sawai Madhopur
(ii)	Last date & time of submission of Bid	27.04.17 (14.00 Hours)	<u>As above</u>
(iii)	Opening of Bid	27.04.17 (16.30 Hours)	<u>As above</u>

20.04.2017  
 Executive Engineer (T&C)  
 RVPNL Sawai Madhopur

Copy of Tender/Enquiry Submitted/ forwarded to following for information and necessary action.

1. The ZCE (T&C), RVPN, Jaipur, E-Mail: [tender.zcetncjaipur@gmail.com](mailto:tender.zcetncjaipur@gmail.com), with the request to arrange uploading of NIT/Notification in web site of T&C Zone, Jaipur
2. The Superintending Engineer (T&C), RVPN, Sawai Madhopur
3. The Accounts Officer (T&C), RVPN, Sawai Madhopur.
4. The Assistant Engineer (T&C), RVPN, Sawai Madhopur with reference to letter No. 17 Dated 17.04.2017.
5. Notice Board of the Office of XEN (T&C), RVPN, Sawai Madhopur.

20.04.2017  
 Executive Engineer (T&C)  
 RVPNL Sawai Madhopur

ANNEXURE – A(G-SCHEDULE OF WORKS ON WHICH RATES ARE REQUIRED TO BE QUOTED BY BIDDERS/CONTRACTORS)BID NO TN-02/2017-18BOQ FOR Augmentation Work of (+)1 x 20/25 MVA and (-)1x10/12.5 MVA,132/33 kV (G-SCHEDULE)

G-Schedule for quoting the Rates under BID NO TN-02/2017-18, Augmentation Work of (+)1 x 20/25 MVA and (-)1x10/12.5 MVA, 132/33 kV at 132 KV GSS Lakheri under the O/o AEN (T&C),RVPN Sawai Madhopur on Contract Basis, as per our terms & condition:

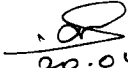
Code	Description	Estimated Amount( In Rs.)	Total Amount Quoted in Rs.	Remark.
1	Augmentation Work of (+)1 x 20/25 MVA and (-)1x10/12.5 MVA, 132/33 kV at 132 KV GSS Lakheri	93485.00		
	<b>Total</b>	93485.00		

Place:-

Date:-

I/We here by accept the above quoted rate

Authorized Signatory/ Contractor  
With name & Address

  
20.04.17  
Executive Engineer (T&C)  
RVPNL Sawai Madhopur

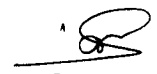
**COMMERCIAL TERMS & CONDITIONS FOR Augmentation Work of (+)1 x 20/25 MVA and (-)1x10/12.5 MVA, 132/33 kV at 132 KV GSS Lakheri**

1. The work is to be carried out by contractor, Hence all precautionary measures shall be required to be taken at contractor end. The department shall not be responsible for any accident or miss happening.
2. All T & P labour, Crane /Truck for work etc. required shall be arranged at contractor level.
3. The work should be completed with in 90 days from the date of issue clearance ( H/O Layout) for the work by officer incharge.
4. The work will be carried out under the control and strict supervision of Assistant Engineer.-Incharge of the work.
5. 90% payment shall be arranged through A/c pay Cheque/RTGS by the A. O. (T&C) RVPNL, Sawai Madhopur after deduction of 2% Income Tax & 1% Labour Cess from your bill on receipt of bill duly verified by the Assistant Engineer –in-charge of the work and countersigned by the Executive Engineer (T&C) RVPNL, Sawai Madhopur. Balance 10% Payment will be released after 3 month from the satisfactory completion of the entire work.
6. **Presentation of bill:-** Bill of total work carried out shall be prepared in triplicate by the contractor and checked by the Assistant Engineer In-charge of the work and the same will be submitted to the Executive Engineer (T&C) RVPNL, Sawai Madhopur. The Executive Engineer (T&C) RVPNL, Sawai Madhopur shall forward the same to the Accounts officer (T&C) RVPNL, Sawai Madhopur for payment after deducting taxes etc. as applicable at the time of releasing the payment.
7. In case any delay in completion of the work a penalty @ 1/2 % per week or part thereof subject to maximum 10% value of delayed/ unexecuted work shall be imposed and recovered from the contractors bill.
8. The quantity of work may be increased/ decreased as per actual site conditions/ requirement.
9. Proper work quality shall be ensured and checked by the Field Officers strictly as per specification of the 'G' Schedule etc. & record a certificate to this effect in the MB.
10. Contractor shall have to submit a certificate that your establishment cover under the Employees Provident Fund and Misc. Provision Act, 1952 and is having a separate code number with the Provident Fund Commissioner and also that the Provident Fund Contribution in respect of all the employees employed by you along with employer's share of contribution etc. is being deposited with the Provident Fund authorities and shall also submit charges in respect of all the employees engaged by you shall also submit charges in respect of all the employees engaged by you for the said work with RVPN along with details of the employees, their wages and the amount contribution as per RVPN CPF rules every month. In case of failure, RVPN shall be entitled to deduct 16% of the amount of your bill.  
In case you do not have separate code number from Regional Provident Fund Commissioner, you have to furnish to the Accounts Officer (T&C) RVPNL, Sawai Madhopur , the



details in the' prescribed performa signed by the concerned Executive Engineer/ Assistant Engineer with each bill.

11. **Dispute** : All disputes, difference, questions whatsoever arising between the Nigam and contractor upon or in relation to or in connection with the contract shall be decided to have arisen at Jaipur (Rajasthan) only and no courts other than courts in Jaipur shall have jurisdiction to entertain the same. In case of dispute between order placing authority and contractor the decision of the CE (T&C-Jpz) Jaipur will be final and binding on both parties.
12. **Idle labour charges** :- No other extra charges for idleration of labour will be borne extra by the RRVPNL.
13. **Accident**:-Any compensation payable for damages caused due to accident by contract vehicle/driver to any party/property/vehicle/driver shall be borne by the contractor. The department will not be responsible for any kind of the accident due to any reason.
14. The acceptance of the order should be conveyed to the in-charge of the work within a period of 7 days after receipt of the order, failing which it shall be presumed that terms and conditions incorporated in the order are acceptable to the contractor.

  
20.04.17

(S. R. Jangid)  
Executive Engineer T&C)  
RVPNL Sawai Madhopur

Above Terms & Conditions are accepted

Name of Firm / Contractor \_\_\_\_\_

Address \_\_\_\_\_

Phone Number / Fax Number \_\_\_\_\_

TIN / CST /RST Number \_\_\_\_\_

Name of Contact Person \_\_\_\_\_

Contact Number / Mobile \_\_\_\_\_

Date \_\_\_\_\_

Place \_\_\_\_\_

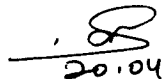
Authorized Signatory  
(with Name and Stamp of  
the Contractor/Bidder)

**(G-Schedule for Augmentation Work of (+)1 x 20/25 MVA and (-)1x10/12.5 MVA,  
132/33 kV at 132 KV GSS Lakheri) as per BSR 2011**

Code	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b>PART-A (Erection Work)</b>				
<b>1</b>	<b>EARTH MESH WORK</b>				
<b>B-1</b>	Laying of earthing risers of 50x6mm/50x10mm/50x12mm size M.S Flat at a depth of 0.80 meters 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 locations, preparation of risers bending as per requirement ( after heating if necessary), fixing on and welding / bolting to equipment/ structure and peaks of structures, laying in the trench, welding to the earth mesh of M.S Rods as per drawing, including welding of extra length of M.S Flat of required, application of bitumen compound and covering with bitumen impregnated tape on all welded joints, painting of all surface 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	Meters	70	20	1400
<b>3</b>	<b>BUS - BAR WORK</b>				
<b>B</b>	JUMPERS OF ACSR conductor (3 nos Y type) between bus to equipment or between equipment to equipoment or between bus to bus, including transportation of conductor, disc insulatros and hardware from site stiores 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 phases				
	i) Single ACSR Zebra / Panther Conductor	Set	6	250	1500
<b>5</b>	<b>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 transport-Tation of base frame,fixing of terminal connectors,tightening of nuts & bolts etc. complete in all respect.				
	iii) 33KV or 11KV CT/PT	Nos	3	400	1200
<b>j</b>	132 KV class EHV transformer (Tank already placed on foundation with wheels.) including transportation of accessories from site stores to locations, erection of HV, IV, LV & other works etc. as per manufacturers drawing, preparation of oil, oil filling, dehydration of transformer (Filter machine, oil tank & operating staff shall be provided by RVPN) electrical wiring from individual equipment e.g. Buchholz relay, MOLG, OSR, etc. to marshaling kiosk, etc .But excluding testing & commissioning of transformer.				
	(a)If electricity is available & arranged by RVPN without charges.				
	(i) Transformer received oil filled.	Nos.	1	31625	31625

6	Erection of control & Relay Panles complete in all respect including transportation from site store to control room placing on foundation / cable trench as per layout, interconnection between Control & Relay panels and with existing panels, fixing of side / top covers and doors, earthing to existing earth strip in control room, connection of bus wiring to existing panel and between control and relay panel, as required.				
	iii) Simplex Panel, DC Panel, RTCC Panel, PLCC Panel etc	Nos.	1	475	475
<b>10</b>	<b><u>LAYING AND TERMINATION OF CABLES</u></b>				
<b>A</b>	<b>Control Cables</b>				
	i) Laying of PVC insulated unarmoured / armoured control cables of 1.1 KV grade with coppetr conductor in cable trenches as per specification as required, including transportation of cable drums from site them on cable racks / cable trays / cable batten & dressing including removing and re-fixing trench covers as required making necessary connection testing cable marking on both the termunating ends etc. as required for all sizes from 2cx2.5 sq mm to 20cx2.5 sqmm, 4cx6sq mm.				
	a) Unarmoured control cable	Mtrs.	500	4.00	2000
	ii) Fixing of control cables in position with single compression nicket 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,				
	a) 19 mm unarmoured control cable	Nos	4	33	132
	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 crimpede with crimping tool including making wire ends ready f or crimping ferulling & dressing of wire etc. as required including cost of terminal ends for all wires for each cable at both ends for cable at both ends of the following size				
	i) 4 x 4.0 sqmm	Each	2	43.00	86
	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.				
		<b>Total (Part A)</b>			<b>38418.00</b>
	<b>PART-B (Dismental Work)</b>				
<b>1</b>	Dismantling of JUMPERS OF ACSR conductor ( 3 nos Y type ) Clamps and connectors including transportation and proper stacking of dismantled material from location to site store,				
	i) Single ACSR Zebra / Panther Conductor	Set	5	250	1250
<b>2</b>	Dismantling of 10/12.5 MVA Transformer, HV, IV, LV & neutral bushings, cooler bank with associated pipe line , radiators, fans, pump, main & OLTC conservators Tank, equalizing pipe line , marshalling kiosk Earthing, Mechanism box/ control cubicles, structure members, nut & Bolts, Clamps & connectors (Y-type) , Existing 132 KV CTs & 33 KV CTs and other accesories etc, including transportation and proper stacking of dismantled material from location to site store, Excluding de-termination of Control Cables and Electrical wiring as per direction of Engineer incharge	Nos.	1	31625	31625

3	Dismantling of control & Relay Panles complete in all respect including transportation from site store to control room placing on foundation / cable trench as per layout, interconnection between Control & Relay panels and with existing panels, fixing of side / top covers and doors, earthing to existing earth strip in control room, connection of bus wiring to existing panel and between control and relay panel, as required.				
	iii) Simplex Panel, DC Panel, RTCC Panel, PLCC Panel etc	Nos.	1	475	475
		<b>Total (Part B)</b>			33350.00
	Cost of dismantalling charges 60% of erection taken as per vide order No. RVPN/SE (SSPC)/XEN(TK)/A.1/D. 1317 Dt 12.10.15	<b>(G Total Pat B)</b>			<b>20010</b>
		<b>G Total (Part A+B)</b>			<b>58428</b>
	Add 60% Premium as per order No.RVPN/SE/SSPC/TK/AI/TN-2975/CLRC/D.501 Dated 24.05.2013				35056.8
		<b>G. Total</b>			93484.8
		<b>R/O</b>			93485.00

  
20.04.17  
 Executive Engineer (T&C)  
 RVPNL, Sawai Madhopur

Authorised Signature of Contractor  
 With full Address