



RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED
[Corporate Identity Number (CIN): L40109RJ2000SGC016485]
Regd. Office: Vidyut Bhawan, Jyoti Nagar, Jaipur - 302005
OFFICE OF THE EXECUTIVE ENGINEER (T&C)
Sakatpura, Kota-324008
Telephone: 0744-2370886 Email: xen.tnc.kota@rvpn.co.in


NO.: RVPN/ XEN/ T&C/KOTA/Works/2017-18/D-250 DATED: 22-05-2017

TENDER SPECIFICATION NO. TN-07/2017-18

Sealed tenders under BID No. TN-07/2017-18 are invited from experienced contractors for Installation work of 33KV, 5.43MVAR Capacitor Bank at 132KV GSS Kelwara.


GENERAL DETAIL OF WORKS:

1	NIT No.	TN-07/2017-18
2	Work Description	Installation work of 33KV, 5.43MVAR Capacitor Bank at 132KV GSS Kelwara .
3	Estimated Cost	Rs.147256.00(Approx.) as per G Schedule attached
4	Cost of Tender Specification	Rs. 750.00 Only
5	Earnest Money	Rs 2950.00 only (To be deposited in form of DD in favour of A.O. (T&C), RVPN, Kota
6	Last date of issue/sale of Tender Documents	Up to 1:00PM of 30.05.2017
7	Due date of Submission of tenders	Up to 3:00PM of 30.05.2017
8	Date of Opening tenders	At 4:00PM on dated 30.05.2017
9	Completion period	60 days from the issue of layout
10	Validity	90 days after the date of Tender Opening


(O.P Sharma)
Executive Engineer (T&C)
RVPN, Kota

Copy submitted/forwarded to the following for information and necessary action:

1. The Zonal Chief Engineer (T&C), RVPN, Jaipur.
2. The Superintending Engineer (T&C), RVPN, Kota
3. The TA to CE (T&C), RVPN, Jaipur for uploading of NIT/G-schedule on the website of Nigam
4. The Accounts Officer (T&C), RVPN, Kota.
5. Notice Board/Tech. section.
6. E-mail address: tender.zcetncjaipur@gmail.com


Executive Engineer (T&C)
RVPN, Kota

G Schedule of works on which rates are required to be quoted by Bidders/ Contractors

BID No. TN-07/2017-18


G Schedule for Installation work of 33KV, 5.43MVAR Capacitor Bank at 132KV GSS Kelwara .

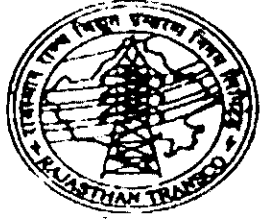
G Schedule for quoting the rates under BID No. TN-07/2017-18, for Installation work of 33KV, 5.43MVAR Capacitor Bank at 132KV GSS Kelwara on Contract basis, as per terms & conditions

S. No.	Description of the work	Estimated cost in Rs (As per BSR 2017 Effective from 01-04.2017)	Total Amount Quoted in Rs	Remarks
1	Installation work of 33KV,5.43MVAR Capacitor Bank at 132KV GSS Kelwara .	147256.00		

Our Firm/ We are agree to execute the above work on%
Above/ Below of the said BSR

Authorized Signatory/ contractor
With Name & Address


Executive Engineer (T&C)
RVPN, Kota



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OFFICE OF THE EXECUTIVE ENGINEER (T&C)
Sakatpura, Kota-324008
Telephone: 0744-2370886 Email: xen.tnc.kota@rvpn.co.in

Terms & Conditions for Installation work of 33KV, 5.43MVAR Capacitor Bank at 132KV GSS Kelwara .

(1) SCOPE OF WORK:

- (A) This contract covers for erection of steel structures, erection of equipment's, PI, erection of C&R panels, erection of marshalling kiosk, bus bar works, laying and termination of cable as per the drawing etc. and transportation of material from site store to construction site.
- (B) The quantum of work involved under this contract is as shown in schedule of erection in prices.
- (C) The contract also covers taking delivery of material from our site stores at GSS premises including loading transportation and unloading at the same at site (erection point).
- (D) TDS as applicable shall be deducted from bills as per rules.

(2) COMPLETION OF WORK : The work should be completed within 60 days from the issue of layout . The penalty for delay is execution of work will be applicable @ 0.5% per week for the balance work after completion period subject to the total 5% value of purchase order.

(3) CONSIGNEE & WORK SUPERVISION IN-CHARGE :

- (a) Consignee of material will be AEN-I (T&C) RVPN, Kota.
- (b) AEN-I (T&C) RVPN, Kota will be engineer in-charge of the work.

(4) ACCIDENT: During the work if any person gets injured due to any accident, the compensation if any, will be paid by you. No payment will be paid by RVPN on this account. You will give an undertaking on non judicial stamp paper worth of Rs. 100/= to the effect that RVPNL will not responsible for any injury sustained by your worker due to an accident arising out of the above work and that you will be bear the entire cost of such injury or compensation to be paid to your workers. The cost of stamp paper shall be borne by you.

(5) TERMS OF PAYMENT : Payment of 90% of Amount verified in MB from engineer in charge as per work order, for the works shall be made by Accounts Officer (T&C) RVPN, Kota and Remanning 10% will be kept as SD and will be release after 3 months of the completion of work. The payment will be made by through RTGS at Kota. The bank charges will be to your account.

(6) INCOME TAX/SALES TAX : The necessary amount of Income/Sales Tax etc., if applicable shall be deducted as per rule from your bills as per statutory provisions.

(7) INSURANCE :- The insurance of material and equipments (approximate cost of 21.20 Lacs) shall be taken by you from the Nationalized Insurance Company of INDIA on single premium basis, on the combined name of RVPN and contractor's name. Contractors should be settling all the claim of equipment/Material if required. The policy will be drawn in favour of the project indicating the full name of Bays work. Computerised and stamped insurance policy shall be furnished by the contractor to XEN (T&C) RVPN Kota for its acceptance. The insurance policy shall have jurisdiction of courts at Kota (Rajasthan) Only.

(Signature)

(8) ERECTION TOOLS : You shall arrange all types of erection tools required during the erection of GSS at your own cost. The Nigam will arrange only special T&P like oil filtration machine etc. which you will have to return in good condition on completion of erection work.

(9) GENERAL : The work shall have to be carried out under the strict supervision of Engineer In-charge i.e. Assistant Engineer-I (T&C) RVPN, Kōta under the control of the Executive Engineer (T&C) RVPN Kota.

(10) CORRESPONDANCE : All correspondence pertaining to the work order in respect of any clarification required on terms and conditions etc., shall be addressed to the Executive Engineer (T&C) RVPN, Kota. All correspondence pertaining to payment of bill etc. should be addressed to the concerned XEN/AEN In-charge of the work and Accounts Officer (T&C) RVPN, Kota.

(11) ACCEPTANCE : The acceptance of this order must be conveyed within seven days from the date of receipt of this order to the order placing authority otherwise it will be presumed that order has been accepted with all the conditions.

(12) CONTARCT AGREEMENT:- You shall execute contract agreement in the include Performa prescribed on non-judicial stamp paper of government of Rs. 500/- the cost of stamp shall be borne by you.

OP Sharma
(O.P Sharma)
Executive Engineer (T&C)
RVPN, Kota

Above Terms & conditions are accepted

Name of Firm/Contractor.....

Address.....

.....

Phone/Fax Number.....

TIN/CST/RST Number.....

Name of Contact Person.....

Contact No./Mobile.....

Date

Place

Authorized Signatory
(With Name & Stamped of Contractor/Bidder)

RAJASTHAN RAJYA VIYUT PRASARAN NIGAM LTD
OFFICE OF THE ASSISTANT ENGINEER-I (T&C) RVPN, KOTA

G Schedule of installation of 33KV, 5.43 MVAR Cap. Bank-III at 132KV GSS KELWARA

Code	Description	Unit	Rate(Rs)	Qty	Amount
1	EARTH MESH WORK				
A	Laying of earth mesh with 25mm/28mm dia M.S Rod at a depth of 0.80 meter from top level of foundations, including excavation of trench of required depth and backfilling of the same, transportation of M.S Rods from site store to locations, welding of M.S Rod to M.S Rod along the length, at crossings and with earth electrodes as per drawing, application of bitumen compound and covering with bitumen impregnated tape on all welding joints, for the type of soil prevalent at 0.80 meter below top level of foundations (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				
	i) Normal dry soil	Mtrs.	24.00	30.00	720.00
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	Mtrs.	27.00	100.00	2700.00
D-1	Placing of earth electrodes of 25/28mm dia M.S Rod of length 7.50 meters (approx) to a depth of 8.00 meters from the top level of foundations, including drilling of 200 mm dia earth pit having a throughout bore of 200 mm dia to a depth of 8.00 meters 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	11230.00	8.000	85840.00
2	ERECTION OF SUB STATION STEEL STRUCTURES columns, beams lighting mast and equipment structures (excluding Circuit Breakers and Capacitors 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 upto 20 meters.	MT	2321.00	4.00	9284.00
3	BUS - BAR WORK				

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A	STRINGING OF 220 KV , 132 KV, 33 KV & 11KV Bus Bar of ACSR conductor, including transportation of conductor, disc insulators and tension hardware from site stores to location, laying and cutting required length of conductor, cleaning and assembly of disc of disc insulators as required along with fitting of bolted type or compression type tension hardware as made available 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.				
	i) Single ACSR Panther	Sec.	1165.00	1	1165.00
B	JUMPERS OF ACSR conductor (3 nos Y type) between bus to equipment or between equipment to equipment or between bus to bus, including transportation of conductor, disc insulators and hardware from site stores to locations, cleaning and assembly of disc				
	i) Single ACSR Zebra / Panther Conductor	Set	333.00	15	4995.00
4	STRINGING OF Earth wire (suze 7/3.15mm or 7/4.00mm), including transportation of eathwire, tension hardwares, etc from site store to locations lasying and cutting required length of earthwire, fitting of bolted type or compression type hardware as made	Each	292.00	4	1168.00
5	ERARCTION OF SUB-STATION EQUIPMENTS				
B	Erection of C.T / P.T /CVT/ Series Reactor / RVT / NCT with clamps & connectors on already erected steel structure including transportation from site stores to locations, fabrication of base frme, fixing of terminal connectors, tightening of nuts & bolts				
	iii) 33 KV CT/PT	Nos	532.00	3	1596.00
D	Erection of Isolators on already, erected steel structures including transportation of base frame, P.'s contacts mechanism box clamps & connectors etc from site store to locations minor fabrication as required and fixing of termaial connectors etc adjust				
	iii) 33 KV				
	a) Without Earth Blade	Nos	916.00	1	916.00
	b) With Single Earth Blade	Nos	1364.00	2	2728.00
F	Erection of 2x33 KV or 2x11 KV Capacitor Bank, with Series Reactors & Residual Voltage Transformers/ Neutral Current Transformers, including transportation of equipments, structure members, nuts & bolts washers, clamps & connectors etc from site to locati	Each	18466.00	1	18466.00
H	Erection of 33 KV, 11 KV CB including transportation of equipment, structure members, nut & Bolts, Clamps & connectors, accessories etc. from site store to location assembly of support structure, their placing on foundation, levelling and prepairing for grouting as required, But excluding grouting, assembly/ placing of support colums / poles.Mechanism box as per manufacturers drawings, fitting of terminal connectors etc. But excluding commissioning of CB.				
	i) 33 KV or 11 KV outdoor type (VCB / SF 6)	Nos	7404	1	7404

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1	Erection of post Insulators on already erected structures including transportation of P.I's nuts & bolts, clamps & connectors etc from site store to locations, fabrication of base frame & assembly if required, fixing of clamps etc.				
	iii) 33 KV or 11 KV	Nos	75.00	6	450.00
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				
	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 respect including transportation from site store to location, placing on foundation / cable trench as per layout preparing for grouting of f				
	iii) 33KV Marshalling Kiosk	Nos	192.00	1	192.00
10	LAYING AND TERMINATION OF CABLES				
A	Control Cables				
	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 &				
	a) Unarmoured control cable	Mtrs.	5.00	1000	5000.00
	Total				147256.00
(Rupees one lac forty seven Thousand two Hundred fifty six Only)					

1 The rates for the erection works given in this G-Schedule are inclusive of all types of labour charges & all taxes

2 It is certified that the basic schedule of rates for erection works as per letter No.45 Date: 21/04/2017 by SE(CONTRACT-II)

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Ragh
Assistant Engineer -I (T&C)
RVPN, Kota

Atena
Executive Engineer (T&C)
RVPN, Kota

Our Firm/ We are agree to execute the above work on%
Above/ Below of the said BSR

Authorized Signatory/ contractor
With Name & Address

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