

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-251 DATED: 22-05-2017

TENDER SPECIFICATION NO. TN-08/2017-18

Sealed tenders under BID No. TN-08/2017-18 are invited from experienced contractors for Installation work of 33KV, 5.43MVAR Capacitor Bank at 132KV GSS Rooparail.


GENERAL DETAIL OF WORKS:

1	NIT No.	TN-08/2017-18
2	Work Description	Installation work of 33KV, 5.43MVAR Capacitor Bank at 132KV GSS Rooparail .
3	Estimated Cost	Rs.122342.00(Approx.) as per G Schedule attached
4	Cost of Tender Specification	Rs. 750.00 only
5	Earnest Money	Rs 2450.00 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-08/2017-18

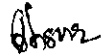
G Schedule for Installation work of 33KV, 5.43MVAR Capacitor Bank at 132KV GSS Rooparail .

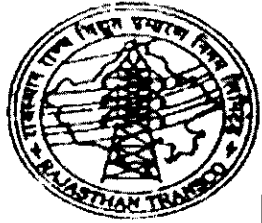
G Schedule for quoting the rates under BID No. TN-08/2017-18, for Installation work of 33KV, 5.43MVAR Capacitor Bank at 132KV GSS Rooparail on Contract basis, as per terms & conditions

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 Rooparail .	122342.00		

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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[Corporate Identity Number (CIN): L40109RJ2000SGC016485]
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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 Rooparail .

(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 in 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 (T&C) RVPN, Jhalawar.
- (b) AEN (T&C) RVPN, Jhalawar 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 be responsible for any injury sustained by your worker due to an accident arising out of the above work and that you will 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)

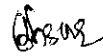
(8) ERECTION TOOLS : You shall arrange all types of erection tools required during the erection of GSS at your own cost. The Nigam will arrange only special T&P like oil filtration machine etc. which you will have to return in good condition on completion of erection work.

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


(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 VIDHYUT PRASARAN NIGAM LTD
(AN ISO 9001:2008 CERTIFIED COMPANY)
OFFICE OF THE ASSISTANT ENGINEER (T&C) RVPN, JHALAWAR
Email:-aen.tnc.jhalawar@rvpn.co.in Mob:-9414061469

G'Schedule for Installation of 33KV, 2x5.43 MVAR cap.bank at 132KV GSS Rooparail

Code	Description	Unit	Rate(Rs)	Qty	Amount
1	EARTH MESH WORK				
A-1	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 tape of soil prevalent at 0.80 mete 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				
	ii) Hard Soil/ Murram/Black cotton soil	Mtrs.	26.00	100	2600.00
B-1	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 riser bending as per requirement (After heating if necessary), fixing on and welding / bolting to equipment/ structure and peaks of stuctures, 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 rises above ground level with red oxide and green paint, for the type of soil prevalent at 0.80 mtr. below top level of foundations (M.S.Rod of above size & M.S. Flat as required shall be made available by RVPN).				0.00
	(a) In case electricity is made available by RVPN without charges				0.00
	ii) Hard Soil/ Murram/Black cotton soil	Mtrs.	28.00	200	5600.00
C-1	Placing /Draving 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 200mm dia.earth pit having a throughout Bore of 200mm dia to a depth of 08.00 meterfrom the top level of foundations, in aii types of rock b DTH System and over burden, including back filling of pit with Bentonite slurry (with Cost of Bentonite slurry) including its preparation,transportation of M.S.Rod and Betonite from site store to location,cutting of M.S.rod to desire length, excavation of pit as required and back filling of the same, transportation of M.S Rod from site store to locations, 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				

(Signature)

	(a) In case electricity is made available by RVPN without charges				
	(ii) Hard Soil/ Murram/Black cotton soil	No,s	11230.00	4	44920.00
2	ERECTION OF SUB STATION STEEL STRUCTURES columns, beams lighting mast and equipemtn 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, fixingof template, with foundation bolts as required, levelling and preoaring for grouting as required but excluding grouting, errection after grouting and tightening & punching of nuts & bolts. (Maximum heighth of structure upto 20 meters.	MT	2321.00	4	9284.00
3	BUS - BAR WORK				0.00
A	STRINGING OF 220 KV , 132 KV, 33 KV & 11KV Bus Bar of ACSR conductor, including transportation of counductor, 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.				0.00
	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 equipomnt 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 hardwareand errection as required, cutting required length of conductor, making connections, fixing of spacers & spacer T clamp as required tightening of clamp / connectors, dressing etc. for three phases.				0.00
	i) Single ACSR Zebra / Panther Conductor	Set	333.00	18	5994.00
4	STRINGING OF Earth wire (suze 7/3.15mm or 7/4.00mm), including transportation of cathwire, 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 available (compression machine shall be provided by RVPN on rent free basis), making up at one end stringing of earthwire between structure peaks with specified sag and tension, jumpering and connecting earth bonds for single earthwire.	Each	292.00	2	584.00
5	EARCTION OF SUB-STATION EQUIPMENTS				0.00

Q.8/2018

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 frame, fixing of terminal connectors, tightening of nuts & bolts etc complete in all respect.				
	iii) 33 KV CT/PT				0.00
D	Erection of Isolators on already, erected steel structures 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 etc adjustment / alignment and final adjustment if required after jumpering	Nos	532.00	3	1596.00
	iii) 33 KV				
	a) Without Earth Blade				
	b) With Single Earth Blade	Nos	916.00	1	916.00
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 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 manufacturer's drawing, fixing of terminal connectors, etc.	Nos	1364.00	2	2728.00
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 preparing 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.	Each	18466.00	1	18466.00
	i) 33 KV or 11 KV outdoor type (VCB / SF 6)	Nos	7404	1	7404
I	Erection of Post Insulators on already erected structures including transportation of base frame, P.I's nuts & bolts, clamps & connectors etc from site to location , fabrication of base frame & assembly if required, fixing of clamps etc.				0.00
	iii) 33 KV or 11KV	Stack	75.00	3	225.00
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 / 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.				0.00
	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 foundation bolts but excluding grouting etc.				0.00

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ii) 33KV Marshalling Kiosk					
10	LAYING AND TERMINATION OF CABLES	Nos	192.00	1	192.00
A	i) Laying of PVC insulated unarmoured / armoured control cables of 1.1 KV grade with copper 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 terminatng ends etc. as required for all sizes from 2cx2.5 sq mm to 20cx2.5 sqmm, 4cx6sq mm.				0.00
	a) Unarmoured control cable				0.00
	ii) Fixing of control cables in position with single compression nickle plated brass cable glands confirming IS 12943 & having three metal washers and one rubber ring including preparation of cable and drilling of corresponding holes in gland etc as required & including cost of glands for each cable gland of Size	Mtrs.	5.00	1000	5000.00
	(a) 19 mm Unarmoured control cable	Nos	44.00	12	528
	(c) 25 mm Unarmoured control cable	Nos	67.00	6	402
	(e) 32 mm Unarmoured control cable	Nos	96.00	6	576
	(iii) Termination of wire 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 -Incharge) dully Clamped with crimping tool including making wire ends ready for crimping, ferruling & dressing of wire etc as required, including cost of terminal ends for all wires for each cable at Both ends for cables of the following sizes.				
	c) 04c x 2.5 sq. mm	Each	43.00	40	1720
	f) 12c x 2.5 sq. mm	Each	128.00	70	8960
	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 wire not terminated				
	a) 4c x 4.0 sq. mm	Each	57.00	50	2850
	In case all the wires of any cable are not got terminated, then a deduction at the rate of Rs 07.00 shall be made for each end of the wire not terminated				
Total					122342.00
Say Rs					122342.00

In words Rs. One lac Twenty Two thousand Three Hundred and Forty Two only

It is certified that the basic schedule of rates taken for erection works as per letter No.RVFN/SE(contracts-II)/XEN-4 F./D.45 Jaipur Dated 21.04.2017

M/2
JUNIOR ENGINEER(T&C)
 RVFN, JHALAWAR

Jm
ASSISTANT ENGINEER(T&C)
 RVFN, JHALAWAR

Abhinav
EXECUTIVE ENGINEER(T&C)
 RVFN, 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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