



RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LIMITED

(ISO 9001:2008 Certified Company)

Corporate Identity Number (CIN): L40109RJ2000SGC016485)

Regd. Office: Vidyut Bhawan, Jyoti Nagar Jaipur- 302005

OFFICE OF THE EXECUTIVE ENGINEER (T&C)

AJMER 305001, TELEFAX : 0145-2627242 Email: xen.cm.beawar@rvpn.co.in

No. RVPNL/XEN/T&C/ Ajmer/ F / D.

127 Dated 12/6/17

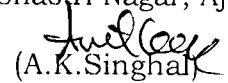
BID DETAIL SHEET FOR ERECTION WORK OF 33 KV, 5.43 MVAR CAPACITOR BANK AT 132 KV GSS ARAIN AGAINST NIT NO.- 04/2017-18

Scaled bids in single part are invited from competent and experienced contractors/ firms for erection work of 33 KV, 5.43 MVAR capacitor bank at 132 KV GSS Arain against NIT No.- 04/2017-18 as per details given below:-

NIT No.	04/2017-18
TYPE OF BIDDING	OPEN BID
WORK DESCRIPTION	Erection work of 33 KV, 5.43 MVAR capacitor bank at 132 KV GSS Arain against NIT No.04/2017-18
DATE OF DOWNLOADING OF TENDER SPECIFICATION	13.06.2017
LAST DATE AND TIME FOR BID SUBMISSION	26.06.2017 UPTO 2.00 PM
DATE AND TIME FOR OPENING OF BID	26.06.2017 UPTO 4.00 PM
ESTIMATED COST	Rs. 78475.00
TENDER COST	Rs. 200.00
EARNEST MONEY DEPOSIT	Rs. 1600.00
VALIDITY	120 DAYS FROM THE DATE OF OPENING OF BID

GENERAL INSTRUCTION REGARDING BID:-

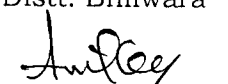
1. The bidders are requested to submit their bids up to prescribed date & time. The last date of submission of bids will not be extended.
2. Furnishing of Earnest Money before bid opening is essential otherwise the bid will not be opened.
3. The bidder have to deposit 100% bid security (EMD) i.e Rs. 1600.00 (Rs. One Thousand Six Hundred only) by DD / Banker's Cheque payable in favour of **Accounts Officer (T&C), RVPN, Ajmer**, payable at Ajmer up to stipulated date & time in the office of the Superintending Engineer (T&C), RVPN, Shastri Nagar, Ajmer- 305001.
4. The bidder shall ensure that his bid is submitted / furnished strictly in the manner detailed in the bidding documents.
5. The bidders should provide complete information at the time of submission of bid. However, if the bidders are asked to furnish some clarification / confirmation / documents, the bidders are required to furnish the same within specified time failing which; the case shall be finalized / decided on the basis of available information. The responsibility of their bid being ignored on account of delay in furnishing of desired information / documents shall be of the bidder.
6. The bidding document can be downloaded from web site <http://energy.rajasthan.gov.in/rvpnl> or may be purchased from Office of the Executive Engineer (T&C), Rajasthan Rajya Vidyut Prasaran Nigam Limited, Shastri Nagar, Ajmer


(A.K. Singhal)

Executive Engineer (T&C),
RVPN, Ajmer

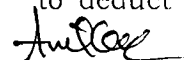
Copy submitted/forwarded to the following for information & necessary action:

1. The Superintending Engineer (T&C), RVPN, Ajmer.
2. The Account officer (T&C), RVPN, Ajmer with request to please depute your representative at the time of opening of tender.
3. The Assistant Engineer (T&C), RVPN, Ajmer.
4. The Feeder Manager (T&C), RVPN, Ajmer with advise to upload Ajmer Zone portal.
5. M/s. Rathore Enterprises, Billiya, KEKRI. 305404. District - Ajmer.
6. M/S Shri Ganpati Electricals, Merta city
7. M/s Jai Mateshawari Contractor, Village-Bherukeda Teshil-Hurda, Distt. Bhilwara
8. M/s Khushi Constructions, C-148, Talwandi, Kota
9. M/s


Executive Engineer (T&C),
RVPN, Ajmer

**Commercial Terms & Condition for Erection Of 33 KV, 5.43 MVAR
Capacitor Bank At 132 KV GSS Arain**

1. All precautionary measures shall be taken by contractor to carry out the work under scope. 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 by contractor.
3. The work should be completed within 90 days from the date of issue of work order.
4. The work will be carried out under the control and strict supervision of Assistant Engineer- Incharge of work.
5. Payment for the erection work of 33 KV, 5.43 MVAR Capacitor Bank will be made to the contractor on submission of bills in accordance with the procedure as detailed below.
 - i) Payment equal to 100% (Hundred percent) (In case contractor deposit performance Security deposit equivalent to 10 % of work order by DD/Banker cheque) or 90 % (Ninty percent) (In case contractor furnish undertaking for deduction of performance Security amount from his each running and final bill @10% of the amount of the bill) of the total value of the works will be paid against monthly running account bills to be submitted to the AEN (T&C) in-charge of the work.
 - ii) Balance 10% payment will be made after completion of performance period of 03 Months and finalization of material account statement of items received and used or returned to stores is settled. Any discrepancy in the quantity, will have to be made good by the contractor or deduction of its cost at double the issue rate applicable at the time of issue of material will be made while settling the balance payment.
 - (iii) The payment of the running bills, up to the work order value will be released without limiting to the individual item quantity.
 - (iv) Deduction, in respect of deficiencies etc. will be made by the AEN-Incharge while passing/verifying the bills and simultaneously be conveyed to the contractor.
6. Presentation of Bills: Bill of total work carried out shall be prepared in triplicate by the contractor and same shall be checked by the Assistant Engineer Incharge of work and will be submitted to the Executive Engineer (T&C), RVPN, Ajmer. The Executive Engineer (T&C), RVPN, Ajmer shall forwarded the same to the Account Officer (T&C), Ajmer for payment after deducting taxes etc. as applicable at the time of releasing the payment.
7. PENALTY:
 - (i) The time for and the date of completion specified in the work order shall be deemed to be essence of the contract and the work shall have to be completed not later than the period specified therein. If the contractor fails to complete the work or any part thereof within the specified completion period, the NIGAM shall be entitled at his option.
 - (j) To recover from the Contractor, 1/4% (quarter percent) per week or part thereof for first four weeks and 1/2% (half percent) per week or part thereof for remaining period of delay (for unexecuted works) subject to maximum of 5% (five percent).
 - (k) After completion of the work the AEN (T&C), Ajmer incharge of the works shall submit the detailed report to the XEN(T&C)/SE (T&C),Ajmer indicating the delay in execution of the work activity wise on weekly basis.
 - (l) To cancel the contract and if so desired to complete the erection works by other agencies at the risk & cost of the contractor.
8. The quantity of work may be increased / decreased as per actual site conditions/ requirement.
9. Rate should be quoted for complete work, firm in all respect without any price variation including all taxes & duties but exclusive of service tax.
10. Proper work quality shall be ensured and checked by the field officers strictly as per specification of G schedule etc. & record a certificate to this in M.B.
11. The contractor shall have to submit a certificate every month that he is an establishment covered under the employees provident fund and miscellaneous provisions 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 him alongwith employer's share of contribution etc. is being deposited with the Provident Fund authorities and shall also submit certified photo copies of the challans of deposits. In absence of above, the contractor shall be liable to deposit employee contribution, as well as, Employer's contribution and other charges in respect of all the employees engaged by him for the said work with RVPN alongwith details of the employees, their wages and the amount of contribution as per RVPN CPF Rules every month. In case of failure, RVPN shall be entitled to deduct 16% of the amount from his bills.



12. **Dispute :-** All disputes, differences, questions, whatsoever arising between the NIGAM and Contractor upon or in relation to or in connection with the contract shall be deemed to have arisen at Ajmer (RAJASTHAN) only and no courts other than courts in Ajmer shall have jurisdiction to entertain the same.
13. **ELECTRIC POWER:** For carrying out erection activities, electricity supply shall be provided free of cost by the department subject to availability at site.
14. **CONTRACT DOCUMENTS:**
- c) The Contractor shall have to execute the contract agreement within 07 days from the date of receipt of detailed work order in triplicate in the prescribed Performa on non judicial stamp paper of value as per stamp duty applicable in Govt. of Rajasthan along with copy of work order, copy of "bidding documents". It is advised that each and every page of relevant documents is to be signed by authorized person with stamp.
 - b) The acceptance of above documents in order shall be notified by the XEN (T&C), RVPN, Ajmer in due course of time under intimation to this office. No any payment shall be released without acceptance of the contract agreement.
15. **DAMAGE TO NIGAMS PROPERTY / INSTALLATIONS / MATERIAL:**
The contractor will be responsible for safe working at site so as to avoid any chance of damage to Nigam's material/installations/property at site of work. In case of any damage to Nigam's material/installations/property, the losses will be recovered from the contractor.
16. **ACCIDENTS & SAFETY MEASURES:**
The contractor shall follow safe method of working so that there is no damage to Nigam's material and also no injury is caused to any of his workers. The contractor shall be fully responsible for safety of his workers and RVPN will not be responsible for any type of accident minor or fatal to any person at work site. Staff Insurance charges, if any, shall be borne by the contractor. All the Workmen engaged / deployed by you at site for execution of work, shall be adequately insured to meet any unforeseen incident. Safety of all the Workmen, movable & immovable property in vicinity shall be the prime object and full care shall be observed during execution of work. Compensation for any "Fatal or Non-Fatal" accident taking place during execution of work shall not be paid or shared by NIGAM. Payment of compensation, if any, for any such "Fatal or Non-Fatal" accident shall be your sole liability. You will instruct all of your workers to not to touch any installation at GSS without the prior permission of the "Work In-Charge" and or his authorized representative at site.
17. **FURTHER CORRESPONDENCE:**
All correspondence pertaining to this work order in respect of any clarification required on "Terms & Conditions" or any other related matter etc. etc. shall be addressed to the Executive Engineer (T&C), RVPN, Ajmer, with copy to all concerned.
18. **ACCEPTANCE OF THE ORDER:** The acceptance of the order shall be conveyed to the Executive Engineer (T&C), RVPN, Ajmer, within 07 days of the receipt of order in the prescribed Performa failing which it will be presumed that the terms and conditions incorporated in the order are acceptable to the Contractor.


 Executive Engineer (T&C),
 RVPN, Ajmer

Above Terms & Conditions are accepted

Name of Firm/Contractor

Address

.....

.....

TIN/SCT/RST Number

Name of contact person

Contact Number/Mobile

Date

Place

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

G - SCHEDULE OF WORKS ON WHICH RATES ARE REQUIRED TO BE QUOTED BY BIDDERS/CONTRACTORS UNDER TN 04 /2017-18

BOQ FOR ERECTION OF 33 KV, 5.43 MVAR CAPACITOR BANK AT 132 KV GSS

ARAIN:- Must be filled by the bidder and enclosed with the bid

S. N.	Description	Estimated Amount (in Rs.)	Percentage quoted rate (Above or below)	Total Amount Quoted in Rs.
1	2	3	4	5
1	Erection of 33 KV, 5.43 MVAR capacitor Bank at 132 KV GSS, Subhash Nagar, Ajmer (Detail of the work to be carried out is enclosed)	78475.00		
	TOTAL	78475.00		


Executive Engineer (T&C),
RVPN, Ajmer

Date

Place

I/we here by accept the above quoted rate

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

RAJSTHAN RAJYA VIDHYUT PRASARAN NIGAM LTD.

('G' Schedule based on BSR for Construction works of Sub-stations and Maintenance works of Sub-stations & Lines on Labour contract basis (Effective from 01-04-2017)

G" SCHEDULE FOR ERECTION WORK OF 33 KV Capacitor Bank Unit Ist at 132 KV GSS -Arain - KSG Ajmer

Ref of BSR – RVPN/SE(Contracts-II)/XEN-4/F. /D.45 JAIPUR Dated 21-04-2017

S. No.	BSR code	SAP Code	PARTICULARS OF WORK	UNIT	QTY.	RATE	AMOUNT IN Rs.
1	2	3	4	5	6	7	8
	A-1		Laying of Earth Mesh with 28/25 mm dia M.S. Rod at a depth of 0.80 meter from top level of foundations including excavation of trench of required depth and back filling 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 welded 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				
		PRJ1238	(i) Normal dry soil	Meter		24	0
		PRJ1239	(ii) Hard Soil / Murram / Black Cotton Soil	Meter	75	26	1950
		PRJ1240	(iii) Soft Rock	Meter	75	35	2625
	B-1		Laying of earthing risers of 50*12/50*10 mm size M.S. Flat at a depth of 0.80 meter from top level of foundation, 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. Rod as per drawing including welding of extra length of M.S. Flat if required, application of bitumen impregnated tape on all welding joints, painting of all surfaces of risers, above ground level with red oxide and green paint, for the type of soil prevalent at 0.8 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				
		PRJ1258	(i)Normal dry soil	Meter		27	0
		PRJ1259	(ii)Hard Soil / Murram / Black Cotton Soil	Meter	175	28	4900
		PRJ1260	(iii) Soft Rock	Meter	125	38	4750



सहायक अभियन्ता (टीएण्डसी)
रा.वि.प्र.नि.लि., मदार, अजमेर



2	PRJ1306	(1) 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, Leveling and preparation 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	4	2321	9284
3-A		STRINGING OF 220 KV, 132 KV, 33 KV Bus-Bar of ACSR conductor , including transportation of conductor ,disc insulators and tension hard ware from site store to location , laying and cutting required length of conductor .Cleaning and assembly of disc insulator as required along with 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 one end , stringing of conductors between the beams with specified sag and tension , also equalizing sag and fitting spacer and T-Clamp for twin conductor , for three phase of conductor in each bus-section				
	PRJ1307	(ii) Single ACSR Panther conductor	Section	1	1165	1165
3-B		JUMPERS of ACSR conductor (3nos Y-type) between bus to equipment or between equipment to equipment or between bus to bus including transportation of conductor , disc insulator and hardware from site store to location ,cleaning and assembly of disc insulator as required along with fitting of suspension hard ware and erection as , cutting required length of conductor , making connection , fixing of spacer & T-spacer as required , tightening of clamp / connectors, dressing etc for three phase.				0
	PRJ1312	(i) Single ACSR Zebra / Panther Conductor	Set	12	333	3996
4	PRJ1316	STRINGING of Earth wire (size 7/3.15 mm or 7/4mm) including transportation of earth wire , tension hardware, etc from site store to location , laying and cutting required length of earth wire fitting of bolted type or compression type hard ware as made available (compression machine shall be provided by RVPN on rent free basis) making up at one end ,stringing of earth wire between structures peak with specified sag and tension jump ring and connecting earth bonds . For single earth wire	Each	2	274	548
		ERECTION OF SUB - STATION EQUIPMENTS				
5-B		Erection of Current Transformer / potential transformer / capacitive voltage transformer / series reactor/ residual voltage transformer / natural current transformer with clamp and connectors on already erected steel structure including transportation from site store to location , fabrication of base frame , fixing of terminal connectors ,tightening of nuts and bolts etc, complete in all respect				
	PRJ1321	33 KV CT / PT	Nos	3	532	1596

(Signature)

(Signature)
 सहायक अभियन्ता (टीएण्डसी)
 रा.वि.प्र.नि.लि. मदार, अजमेर

(Signature)

5-F	PRJ1337	Erection of 2x33 KV Capacitor Bank , with series Reactor & Residual Voltage Transformer/ Netural Current transformer , including transportation of equipment , structure members,nuts & bolts, washers, clamps& connector 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 drawing fixing of terminals connectors , etc.	Each	1	18466	18466
5-D		Erection of isolators on already erected steel structure including transportation of base frame, P.Is, contacts, mechanism-box, clamps & connectors etc. from site store to location, minor fabrication as required, and fixing of terminal connectors etc., adjustment /alignment of isolator and its blade . If provided for their smooth operation and final adjustment if required after jumpring ring.				
		ii) 33 KV or 11 KV				
	PRJ1333	a) without earth blade	Nos	1	916	916
	PRJ1334	b) with single earth blade	Nos	2	1364	2728
5-H		Erection of 33 KV or 11 KV Circuit Breaker, including transportation of equipment, structure members, nuts & bolts, clamps & connectors, accessories etc. from site store to location, assembly of support structure their placing on foundation, leveling and preparing for grouting as required, but excluding grouting, assembly/ placing of support poles, mechanism box etc. on support structure as per manufacturers drawing, fitting of terminal connectors, etc. but excluding commissioning of CB.				
	PRJ1340	i) 33 or 11 KV outdoor type (VCB/SF-6)	Nos	1	7404	7404
5-I		Erection of Post Insulator on already erected structure including transportation of P.I's, nuts & bolts, clamps & connectors, etc. from site store to location, fabrication of base frame & assembly if required, fixing of clamps, etc.				
	PRJ1344	i) 33KV or 11 KV	Nos	9	75	675
6		Erection of control & Relay Panels 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 cover 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.				
	PRJ1353	ii)Simplex Panel	Nos	1	632	632
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.				
	PRJ1356	ii) 33 KV Marshalling Kiosk	Nos	1	192	192

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10		LAYING AND TERMINATION OF CABLES				
A		Control Cables				
	i	Laying of PVC insulated unarmoured/armoured control cable of 1.1 KV grade with copper conductor in cable trenches as per specification as required, including transportations of cable drums from site store to locations, laying in cable trenches, cutting to required length, placing them on cable racks/ cables trays/ cable batten & dressing, including removing and refixing trench cover as required, making necessary connection, testing, cable marking on both the terminating ends etc. as required for all sizes from 2cx2.5 sq. mm to 20cx2.5 sq.mm, 4cx4 sq. mm and 4cx6 sq. mm				
		PRJ1381 Unarmoured control cable	Meter	2000	5	10000
1	ii	Fixing of control cable in position with single compression nicked 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 gland of size.				
2		PRJ1383 19 mm unarmoured control cable	Nos	10	44	440
		PRJ1385 25 mm unarmoured control cable	Nos	50	67	3350
3	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 tool, including making wire ends ready for crimping, ferruling & dressing of wires, etc. as required, including cost of terminal ends for all wires, for each cable at both ends for cable the following sizes.				
3		PRJ1390 b) 3Cx2.5sq. mm	Each	19	32	608
4		PRJ1391 c) 4Cx2.5sq. mm	Each	2	43	86
6		PRJ1392 d) 6Cx2.5 sq. mm	Each	12	64	768
A		PRJ1394 f) 12Cx2.5sq. mm	Each	2	128	256
		In case all the wire of any cable are not got terminated ,then a deduction at the rate of 4.00 shall be made for each end of the wires not terminated				
		PRJ1397 e) 4Cx4 sq. mm	Each	20	57	1140
B		In case all the wire of any cable are not got terminated ,then a deduction at the rate of 5.00 shall be made for each end of the wires not terminated				
		PRJ1398 i) 6Cx4 sq. mm	Each		85	
		TOTAL				78,475

Qm

Y. B. Patel
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 T & C, R. P. N. D., AJMER
 रा. वि. प्र. नि. लि., मंदौर, अजमेर