

BID INFORMATION COVER SHEET

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED

Regd Office: Vidhyut Bhawan, Jyoti Nagar, Jaipur-302005

("An ISO 9001:2008 certified Company")

OFFICE OF THE SUPERINTENDING ENGINEER (T&C) BHADLA

E-mail ID: se.400bhadala@rvpn.co.in.

No./RVPN/ SE/ T&C / BHADLA / Tech / 2017/D. 01 Dt.03.04.2017

BID SPECIFICATION NO.RVPN/SE/T&C/BHADLA/TN- 151001701 (TN -01/2017-18)

Sealed/tenders/NIB(Single BID) are invited from competent/experienced contactors for following works on labour contract basis. Bids are to be submitted to this office i.e. Superintending Engineer (T&C) RVPN Bhadla (HQ Phalodi).

Name of work: - Aug. Work 160 MVA, 220/132KV transformer at 220 KV GSS Badisid

A	NIB No.	RVPN/SE/T&C/Bhadla/ TN-151001701/03.04.2017 (TN -01/2017-18)
B	Cost of bidding Document	Rs. 750/- (Rs. Seven Hundred Fifty only)
C	Bid Security	Rs. 5260.00(Rs. Five Thousands Two Hundreds Sixty Only) by demand draft (DD)/Bankers cheque in favour of Accounts Officer(T & C) RVPN Bhadla
D	Bidding Procedure	Single stage one envelope bidding procedure
E	Estimated Cost	262832.00 (As per G Schedule)

IMPORTANT DATES:

Sr. No.	Events	Date & Time	Location
1.	Date of selling of Bid specification	03.04.2017 14:00	Office of the Accounts officer (T & C) RVPN Bhadla(HQ Phalodi).
2.	Deposit of cost of Bid specification & Bid security(EMD)	-----	Office of the Accounts officer (T & C) RVPN Bhadla(HQ Phalodi).
3.	Last date & time of selling of bid document	17.04.2017 04:00PM	Office of the Accounts officer (T & C) RVPN Bhadla (HQ Phalodi).
4.	Last date & time of submission of bid	18.04.2017 03:00PM	Office of Superintending Engineer (T & C) RVPN Bhadla(HQ Phalodi).
5.	Date & time for opening of bid	18.04.2017 04.00PM	Office of Superintending Engineer (T & C) RVPN Bhadla(HQ Phalodi).

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Note:

1. You have read carefully all terms & condition of the tender specification and accepted the same, as Enclosed with this NIT.
2. Rates will remain valid up to the completion of work.
3. Tender documents are to be purchase from Accounts Officer (T&C) RVPN, Bhadla (Temp. Head Quarter 220KV GSS Phalodi) after deposit the tender cost & EMD/SD in DD/Banker's cheque in favor of Accounts Officer (T&C), Bhadla.
4. The tender cost is non refundable.
5. The tenders shall be addressed to the Superintending Engineer (T&C) RVPN, Bhadla campus 220KV GSS RVPN, Phalodi.
6. The Undersigned has right to extend the date of opening/rejection of tender if necessary.
7. Qualifying Requirement: Only those firms who have completed construction of 132KV GSS and above voltage level in last two years 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.
8. Offers of BIDs without relevant documents with respect to qualifying requirements/experience shall not be considered.
9. The tender incomplete in any respect will not be considered.
10. Tender received late on any account not be considered.
11. Rates quoted will be inclusive all taxes, excluding service tax as applicable as per Govt. Rules
12. The procurement process shall be governed by TRPP Act.2012 and TRPP rules 2013.



Superintending Engineer (T&C)
RVPN, Bhadla

Copy submitted/forwarded to following for information and na:-

1. The Zonal Chief Engineer (T&C) RVPN, Jodhpur
2. Sh. Arvind Paliwal AEN (220KV GSS) RVPN, Phalodi
3. The Account Officer (T&C) RVPN, Bhadla
4. The Fedder Manager RVPN, Jodhpur for uploading the above in RVPN site
5. Notice Board.



Superintending Engineer (T&C)
RVPN, Bhadla



RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED

Office of the Assistant Engineer(T&C) RVPNL Bhadala

G' Schedule for Aug. work of 160 MVA, 220/132 KV , transformer at 220 KV GSS Badisid [Distt-Jodhpur]

On the Basis of Nigam BSR-2011

S.No	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.	18.00	200	3600.00
	ii) Hard soil/Murram/Black cotton soil	Mtrs.	19.00	200	3800.00
	(b) In case diesel generator is arranged by the Contractor at his own cost.				
	i) Normal dry soil	Mtrs.	25.00	0	0.00
	ii) Hard soil/Murram/Black cotton soil	Mtrs.	26.00	0	0.00
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.	20.00	350	7000.00
	ii) Hard soil/Murram/Black cotton soil	Mtrs.	21.00	50	1050.00
	(b) In case diesel generator is arranged by the Contractor at his own cost.				
	i) Normal dry soil	Mtrs.	29.00	0	0.00
	ii) Hard soil/Murram/Black cotton soil	Mtrs.	30.00	0	0.00
C	Placing / Draving of earth electrods of 25/28mm dia M.S Rod of length 3.30meters (approx) to a depth of 3.80 meters from the top level of foundations, including 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 preparation of one end as spike if necessary, 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, for the type of soil prevalent at 3.80 meters 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	Nos.	150.00	10	1500.00
	ii) Hard soil/Murram/Black cotton soil	Nos.	250.00	20	5000.00
	(b) In case diesel generator is arranged by the Contractor at his own cost.				
	i) Normal dry soil	Nos.	213.00	0	0.00
	ii) Hard soil/Murram/Black cotton soil	Nos.	313.00	0	0.00
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 grounding as required but excluding grouting erection after grouting and tightening & punching of nuts & bolts. (Maximum height of structures upto 20 meters.	MT	1744.00	8	13952.00
3	BUS - BAR WORK				
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.	875.00	0	0.00
	ii) Single ACSR Zebra	Sec.	1019.00	3	3057.00
	iii) Double ACSR Zebra	Sec.	1469.00	4	5876.00

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 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	250.00	20	5000.00
	ii) Double ACSR Zebra Conductor	Set	500.00	21	10500.00
4	STRINGING OF Earth wire (suze 7/3.15mm or 7/4.00mm), including transportation of earthwire, tension hardwares, etc from site store to locations lasing 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 earthware between structure peaks with specified sag and tension, jumpering and connecting earth bonds for single earthwire.	Each	219.00	6	1314.00
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 etc complete in all respect.				
	i) 220 KV CT / PT/CVT	Nos	1900.00	3	5700.00
	ii) 132KV CT/PT/CVT/	Nos	1063.00	3	3189.00
	iii) 33 KV or 11 KV CT/PT	Nos	400.00	0	0.00
	iv) 33 KV or 11 KV SR/RVT/NCT	Nos	763.00	0	0.00
C	Erection of LA on already erected steel structure including transportation of LA, clamps & connectors surge counter etc from site stores to locations, fabrication of base frame, fixing of terminal connectors surge counter, tightening of nuts & bolts complete in all respect.				
	i) 220 KV	Nos	1500.00	3	4500.00
	ii) 132 KV	Nos	1069.00	3	3207.00
	iii) 33 KV or 11 KV	Nos	238.00	0	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 / algment of isolator and its earth blade, if provided for their smooth operation and final adjustment If required after jumpering.				
	i) 220 KV				
	a) Without Earth Blade	Nos	3306	3	9918.00
	b) With Single Earth Blade	Nos		0	0.00
	c) Tandem	Nos	3681	1	3681.00
	ii) 132 KV				
	a) Without Earth Blade	Nos	1950.00	3	5850.00
	b) With Single Earth Blade	Nos	2288.00	0	0.00
	c) Tandem	Nos	2288.00	0	0.00
	iii) 33 KV & 11 KV				
	a) Without Earth Blade	Nos	688.00	0	0.00
	b) With Single Earth Blade	Nos	1025.00	0	0.00
G	Erection of 220KV or 132 KV Circuit Breakers, including transportation of equipments, structure members, nuts & 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 columns / poles mechanism box/control cubicle, and other accessories as per manufacturer's drawings, fitting of SF-6 gas pipeline, fabrication of air / oil pipeline as required, electrical wiring from pole to control cubicle, fixing of terminal connectors as required but excluding commissioning of CB for all tyeps of operating mechanism, as required.				
	i) 220 KV	Nos	14438.00	1	14438.00
	ii) 132 KV	Nos	11438.00	1	11438.00
K	Erection of 220 KV Class EHV Transformer (tank already placed on foundation with wheels) including transportation of accessories from site store to locations, erection of HV, IV, LV & Neutral bushings, erection of cooler bank with associated pipe line, radiators, fans, pump, main & OLTC conservators, radiators, equalizing pipe line, marshalling kiosk, etc. as per manufacturer's drawing. preparation of oil, oil filling, dehydration of transformer along with cooler bank & diverter switch (filter machine, oil tank & operation staff shall be provided by RVPN), electrical wiring from individual equipment, e.g. Buchholz realy, MOLG, OSR, Fans, Pumps, Bushing CT's etc. to marshalling kiosk, etc, but excluding testing & commissioning of transformer				
	a) If electricity is available & arranged by RVPN without charge	Nos	96625.00	1	96625.00
	Erection of post isulators on already erected Structures including transportation of PI nut, bolt & clamp, connectors etc. from sit store to location of base frame & assambly if required, fixing of clamps etc,				
j	220 KV	Nos	663	10	6630.00

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