



RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED

[Corporate Identity Number (CIN): U40109RJ2000SGC016485]

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

Office of the Assistant Engineer (132kV GSS), Purana Ghat

Goner Road, Purana Ghat, Jaipur (Raj.) -302003

ISO 9001:2008 Certified Company

Tele Fax:-0141-2680148, Email: aen.132.puranaghat@rvpn.co.in; Website: www.rvpn.com

No: RVPN/AEN/132KV/GSS/Purana Ghat/ Estt/ D.08 Dt. 11.04.2017

**The TA to Chief Engineer (T&C JPZ)
RVPNL, Jaipur**

Subject: Uploading of NIT for maintenance of bay equipments at 132KV GSS, Puranaghat, Jaipur on CLRC rate.

On the above cited subject, kindly find enclosed herewith the "G" schedule of maintenance of bay equipments at 132kV GSS, Puranaghat, Jaipur on CLRC rates for uploading on web portal of RVPN. The tender/NIT will be opened on dated 18.04.2017 at 3.30 PM at 132KV GSS, Puranaghat.

Encl: "G" Schedule.

**Assistant Engineer
132KV GSS, RVPNL,
Puranaghat, Jaipur**

Copy submitted to the Executive Engineer (220kV GSS), I.G. Nagar, Jaipur for kind information and necessary action please.

**Assistant Engineer
132KV GSS, RVPNL,
Puranaghat, Jaipur**

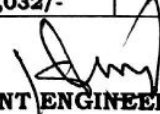
RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED
(An ISO 9001-2008 Certified Company)

Office of the Assistant Engineer
132kV GSS, RRVPNL, Purana Ghat (Jaipur)

I- G-Schedule for maintenance of bays equipments:

S.NO	PARTICULARS	UNIT	RATES IN Rs.	NO. OF BAYS	FREQ-	AMOUNT	REMARKS
1.0	Maintenance work of following Bay equipment : Such as circuit breakers, current transformers, Lightening arresters, isolators, CVTs, PLCC equipments, and corresponding control and relay panels (All spares, lubricating material and only special T&P shall be provided by RVPN. Cleaning material and general T&P shall be arranged by the contractor.) (a) Checking of tightening of all clamps & connectors. (b) Cleaning of all insulators. (c) Assistance to RVPN in attending to oil leakage, if any. (d) Cleaning of all junction boxes & secondary terminal boxes. (e) Assistance to RVPN in checking of operation of CB through relays and verifying various logic and control circuit and annunciation circuit. (f) Assistance to RVPN in measurement of CB operation timing. (g) Checking of isolator operation and its alignment. (h) Checking of gas pressure like SF 6 & N2 in circuit breakers /CTs etc. (i) Assistance of RVPN in measurement of IR values of LA s, CTs and CVTs. (j) Lubrication of defined parts of all equipment at all required points. (k) Washing of equipment, in case oil stains are present , then washing is to be done with use of detergent solution. (l) Cleaning of CR Panels from inside. (m) Tightening of clamps & connectors and spacers on over head bus conductors and gantries (at a max height of 25 meter using safety belts.)Also tightening of clamps / connectors of all associated equipments connected to such overhead bus. (n) Providing other related work assistance as may be required by in charge.						
	(i) 132 KV Bays	Each bay	1892/-	9	2	34,056/-	
	(ii) 33 or 11 KV Bays	Each bay	1666/-	18	2	59,976/-	
Total (Rs. Ninty Four Thousand Thirty Two Only)						94,032/-	

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ASSISTANT ENGINEER

II-G-Schedule for maintenance of Power Transformer:

S.NO	PARTICULAR	UNIT	RATE IN Rs.	NO. OF TRANSFORMERS	FREQ.	AMOUNT	REMARK
2.0	<p>Maintenance of power transformer for the following types of power transformers (All spares, lubricating material and only special material shall be provided by RVPN & general T&P shall be arranged by the contractor)</p> <p>(a) Cleaning of porcelain bushing.</p> <p>(b) Checking of tightening of clamps & connectors.</p> <p>(c) Cleaning of buchholz & oil surge relays.</p> <p>(d) Cleaning of glass of all oil levels indicators.</p> <p>(e) Cleaning of marshaling box, cooler control cubicle, thermometer etc .as provided.</p> <p>(f) Assistance to RVPN in attending to oil leakage from tr. Body & bushing.</p> <p>(g) Checking of oil level in oil filled bushing.</p> <p>(h) Checking of Drycol air drying system.</p> <p>(i) Assistance to RVPN in measurement of IR values</p> <p>(j) Assistance to RVPN in measurement of earth resistance.</p> <p>(k) Assistance to RVPN in testing of PRD.</p> <p>(l) Assistance to RVPN in checking of tripping circuits of buchholz & wdg. oil temperature control & protection scheme.</p> <p>(m) Checking of OLTC gear operation</p> <p>(n) Assistance to RVPN in checking of auto circuits of cooling banks</p> <p>(o) Taking of oil samples for testing</p> <p>(p) Assistance to RVPN in carrying out other special measurements as may be required</p> <p>(q) Providing of other related work assistance as may be required by work in charge</p>						
	i) 132/33 and 132/11 KV (All Capacities)	Each transformer	1220/-	3	2	7,320/-	
	ii) 33/0.4 and 11/0.4 KV (All Capacities)	Each transformer	774/-	2	2	3,096/-	
Total (Rs. Ten Thousand Four Hundred Sixteen Only)						10,416/-	

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ASSISTANT ENGINEER

III- G-Schedule for maintenance of Bus-Bars & Associated Equipments:

S.NO	PARTICULARS	UNIT	RATE IN Rs.	NO. OF BUSES	FREQ.	AMOUNT	REMARK
3.0	Maintenance work of bus bars of various voltages levels. (All spares , lubricating material and only special material shall be provided by RVPN & general T&P shall be arranged by the contractor) (a) Tightening of clamps & connectors on over head bus conductor & gantries (at a max height of 25 meter using safety belts) also tightening of clamp/connectors of all bus side associated equipment. (b) Replacement of all worn out clamps & connectors of bus during work under item no. (a) (c) Cleaning of all insulators of suspension & tension string of bus bar and insulator of bus isolators, bus CVTs / PTs. (d) Checking of operation of bus isolators and their alignment including motorized operation (e) Maintenance of operation mechanism & switches etc of isolators (f) Lubrication of all moving parts of isolators (g) Providing of other related work assistance as may be required by work in-charge						
	i) 132 KV Bus section	Each section	1446/-	17	2	49,164/-	
	ii) 33 or 11 KV Bus section	Each section	1351/-	18	2	48,636/-	
TOTAL (Rs. Ninty Seven Thousand Eight Hundred Only)						97,800/-	
TOTAL (I + II + III)						2,02,248/-	
60% above BSR						1,21,348/-	
G. Total (I + II + III)						3,23,596/-	
(Rs. Three Lakh Twenty Three Thousand Five Hundred Ninty Six Only)							

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[Signature]
ASSISTANT ENGINEER
132 KV GSS, Pusona ghat.