



RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LTD

An ISO 9001 : 2000 Certified Company

OFFICE OF THE ASSISTANT ENGINEER (132 KV GSS), Banar, Jodhpur
RVPN/AEN/132 KV/GSS/Banar/JU/F. /S.ESTT/CASH/TECH. /D. 120 Dt 30.08.2017

To,

All Registered Contractor.

(upto 31/10/17)

SUB: Bay Maintenance work at 132 KV GSS Banar on CLRC basis

In reference to above it is to intimate you that bay maintenance work is required to be carry out at 132 KV GSS, Banar on CLRC basis. If you are interested to carry out the above work, kindly convey your consent on or before 5.00 PM of Dated 08.09.2017.

Encl : 'G' – Schedule (02 Nos.)

ASSISTANT ENGINEER, 132 KV GSS,
RRVPNL, BANAR, JODHPUR.

Copy Submitted/Forwarded to following for information & n.a. –

1. The Executive Engineer, 220 KV GSS, RVPN, Jodhpur.
2. The Accounts Officer, T&C, RVPN, Jodhpur.
- ~~3.~~ 3. The Feeder Manager, T&C, RVPN, Jodhpur for arranging publication on RVPN web site.
4. The Junior Engineer (M), 132 KV GSS, RVPN, Banar.

Encl : 'G' – Schedule (02 Nos.)

ASSISTANT ENGINEER, 132 KV GSS,
RRVPNL, BANAR, JODHPUR.

"G" Schedule for Maintenance works of 132 KV CSS Banar (Based on BSR of R&M applicable from 01.01.2011)

BSR Item No.	Particulars	Unit	Rate (Rs.)	Qty.	Amount (Rs.)	Amount for 1 Quarters
3.0	Maintenance of Bay Equipments					
	Providing of work assistance as given below in maintenance work of following bay equipments such as Circuit Breaker, Current Transformer, Lightning Arrestor, Isolators, CVTs, PLCC Equipments & corresponding Control & Relay Panels (All spares, lubricating material & Special T&P shall be provided by RVPN. Cleaning material & general T&P shall be arranged by the contractor.)					
	(a) Checking of tightness of Clamps & Connectors.					
	(b) Cleaning of all insulators.					
	(c) Attending to oil leakage if any.					
	(d) Cleaning of all Junction Boxes & Secondary Terminal					
	(e) Checking of operation of CB through relay & verifying various logic & control circuits & annunciation circuits.					
	(f) Measurement of CB operation timing					
	(g) Checking of isolators operation & its alignment.					
	(h) Checking of gas pressures like SF 6 & N2 in circuit breaker/CTs etc.					
	(i) Measurement of IR values of Las,CTs & CVTs.					
	(j) Lubrication of defined parts of all equipments, all required points.					
	(k) Washing the equipments, in case oil stains are present, then washing is to be done with use of detergent solution.					
	(l) Cleaning of C&R Panel from inside.					
	(m) Providing other related work assistance as may be required by incharge.					
3.3	132 KV bay (1 No. Supervisor + 6 Nos. Workmen)	Each Bay	1892	5	9460	9460
3.4	33 or 11 KV bay (1 No. Supervisor + 5 Nos. Workmen)	Each Bay	1666	17	28322	28322
4.0	Maintenance of Power Transformers					
	Providing of work assistance as given below in maintenance of Power Transformers for the following types of Power Transformers (All spares, lubricating material & Special T&P shall be provided by RVPN. Cleaning material & general T&P shall be arranged by the contractor.)					
	(a) Cleaning of porcelain of bushings.					
	(b) Checking of tightness of clamps & connectors.					
	(c) Cleaning of Buchholz & oil surge relays.					
	(d) Cleaning of glasses of all oil level indicators.					
	(e) Cleaning of marshalling box, cooler control cubicle, thermometer etc., as provided.					
	(f) Attending oil leakage from transformer body & bushings.					
	(g) Checking of oil level in oil filled bushings..					
	(h) Checking of Drycol air drying system.					
	(i) Measurement of IR values.					
	(j) Measurement of Earth Resistance.					
	(k) Testing of PRD.					
	(l) Checking of tripping circuit of buchholz & WDG, oil temperature controls & protection scheme.					
	(m) Checking of OLTC gear operation.					
	(n) Checking of auto circuits of cooling banks.					
	(o) Taking of oil sample for testing.					

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"G" Schedule for Maintenance works of 132 KV CSS Banar (Based on BSR of R&M applicable from 01.01.2011)

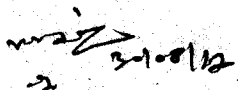
BSR Item No.	Particulars	Unit	Rate (Rs.)	Qty.	Amount (Rs.)	Amount for 1 Quarters
	(p) To carryout other special measurements as may be required.					
	(q) Providing of other related work assistant as may be required by work incharge.					
4.3	132/33 KV & 132/11 KV (All capacities)(5 Nos. workmen)	Each Trf.	1220	2	2440	2440
4.4	33/11 KV & Aux. supply station transformer. (3 Nos. workmen)	Each Trf.	774	1	774	774
5.0	Providing work assistance as given below in maintnence work of Bus bars of various voltage levels. (All spares, lubricating material & Special T&P shall be provided by RVPN. Cleaning material & general T&P shall be arranged by					
	(a) Tightening of c on overhead bus conductors & gantries (at a maximum height of 25 Metre using safety belts.) Also tightening of clamps/connectors of all bus side associated equipments.					
	(b) Replacements of worm out Tightening of clamps & connectors of bus during work under item no. (a).					
	(c) Cleaning of all insulators of suspension & tension strings of bus bars & insulators of bus isolators, Bus CVTs/PTs.					
	(d) Checking of operation of Bus isolators & their alignment including motorised operation.					
	(e) Maintenance of operating mechanism & switches etc.					
	(f) Lubrication of all moving parrts.					
	(g) Providing of other related work assistance as may be required by the work incharge.					
5.3	132 KV Bus Section (1 No. Supervisor + 4 Nos. Workmen)	Each Section	1446	14	20244	20244
5.4	33 or 11 KV Bus Section (1 No. Supervisor + 4 Nos. Workmen)	Each Section	1351	12	16212	16212
		Total:-				77452.00


Add 60% as per CLRC:-

46471.20

G.Total:-

123923.20


JEN, 132 KV GSS
RVPN, BANAR


Assistant Engineer (132 KV GSS)
RVPNL, Banar