



RAJASTHAN RAJYA VIDHUT PRASARAN NIGAM LIMITED
(Corporate Identity Number(CIN): U40109RJ2000SGC016485)
Regd. Office: Vidhut Bhawan, Jyoti Nagar, Janpath, Jaipur-302005
(An ISO 9001:2008 Certified Company)
Executive Engineer (220 KV GSS) RVPNL, Bilara
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No. RVPNL /XEN / GSS / Bilara /F. / D. 263 Date 29-07-2016

To

All Enlisted Contractor
of ZCE (T&C) RVPNL
Jodhpur.

Sub.-: Regarding work of maintenance of Bay Equipment's, Power Transformers and Bus –Bars at Assistant Engineer (132 KV GSS) RVPNL Pipar City on CLRC Rates.

Ref.-: No. RVPNL / SE / SSPC / TK / A.1 / TN – 2975/CLRC / D. 501 Dated 24-05-2013.

With reference to above said letter and subject matter captioned we are sending you the copies of G – Schedules for following works to be carried out at 132 KV GSS, RVPNL, Pipar City for the financial year 2016-17 :-

1. Work of maintenance of Bay Equipments, Power Transformers and Bus –Bars at 132 KV GSS, RVPNL, Pipar City (Jodhpur).

You are requested to submit your acceptance for the above said works up to 09-08-2016, so that the case can be processed for obtaining sanction of the work.

Executive Engineer
(220KV GSS) RVPNL Bilara

Copy submitted / Forwarded to the following for kind information and necessary action:-

1. The Superintending Engineer (T&C) RVPNL Kankani.
2. The Feeder manager, O/O the SE (T&C), RVPNL, Jodhpur for inf. & to upload in RVPNL Portal.

Executive Engineer
(220KV GSS) RVPNL Bilara.

G – Schedule for Maintenance of Bay Equipments, Transformers & Busbar at 132 KV GSS Pipar city

G – Schedule based on the BSR for maintenance of GSS, published by RVPNL Jaipur vide letter no. RVPN/SE(SSPC)/XEN/TK/BSR/A.1/D.21/ Jaipur/DI. 04-04-2011 & CLRC rates issued vide letter no. RVPN / SE / SSPC / TK / A.1 / TN-2975 / D. 501 Dated-24/05/2013.

BS R No	Particulars	Quantity (Nos.)	Unit	Rate (Rs.)	Frequency	Amount	BRS Above	Total
3.0	(3.0) Maintenance of Bay Equipments							
	<p>Maintenance work of following bay equipments such as circuit breaker, current transformer, Lightning arrestor, Isolator, 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.</p> <ol style="list-style-type: none"> 1. Checking of tightness of clamps and connectors. 2. Cleaning of Insulators. 3. Assistance to RVPN in attending to oil leakage (if any). 4. Cleaning of all junction boxes and secondary terminal boxes. 5. Assistance to RVPN in checking of operation of CB through relays and verifying various logic and control circuits and annunciation circuit. 6. Assistance to RVPN in measurement of CB operation timings. 7. Checking of isolator operation and its alignment. 8. Checking of GAS pressure like SF6 & N2 in circuit breakers / CTs etc. 9. Assistance to RVPN in measurement of IR values of LAs, CTs and CVTs. 							

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	<ol style="list-style-type: none"> 10. Lubrication of defined parts of all equipments at all required points. 11. Washing of equipment in case oil stains are present then washing is to done with use of detergent solution. 12. Cleaning of C&R panel from inside. 13. Tightening of clamps & connectors and spacers on overhead bus conductors and gantries (at a maximum height of 25 meter using safety belts). Also, tightening of clamp / connectors of all associated equipments connected to such overhead bus. 14. Providing other related assistance as may be required by work in charge. 							
3.3	132 KV Bays (1 No. Supervisor + 6 Nos. Workmen)	2	Each Bay	1892.00	2	7568.00	60%	12108.80
3.4	33 & 11 KV Bays (1 No. Supervisor + 5 Nos. Workmen)	12	Each Bay	1666.00	2	39984.00	60%	63974.40
4.0	Maintenance of Power Transformers							
	<p>Maintenance work of Power transformers for the following type of power transformers.(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.</p> <ol style="list-style-type: none"> 1. Checking of Porcelain of bushing. 2. Checking of tightness of clamps and connectors. 3. Cleaning of Buchholz and oil surge relays. 4. Cleaning of glasses of all oil level indicators. 5. Cleaning of marshaling box, cooler control cubical, thermometer etc. as provided. 6. Assistance to RVPN in attending to oil leakage from transformer body and bushings. 7. Checking of dry col air drying system. 8. Checking of oil level in oil filled bushings. 9. Assistance to RVPN in measurement of IR 							

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	values. 10. Assistance to RVPN in measurement of earth resistance. 11. Assistance to RVPN in testing of PRD 12. Assistance to RVPN in checking of tripping circuits of Buchholz & winding, oil and temperature controls and protection scheme. 13. Checking of OLTC gear operation. 14. Assistance to RVPN in checking of auto circuits of cooling bank. 15. Taking of oil samples for testing. 16. Assistance to RVPN in carrying out other special measurements as may be required. 17. Providing other related assistance as may be required by work in charge.							
4.3	132 / 33 KV & 132 / 11 KV (All capacities) (5 Nos. Workmen)	2	Each TRF	1220.00	02	4880.00	60%	7808.00
4.4	33 / 11 KV & Aux. Supply station transformer (3 Nos. workmen)	1	Each TRF	774.00	02	1548.00	60%	2476.80
5.0	Maintenance of Bus Bars and Associated Equipments							
	Maintenance work of Bus bars of various voltage levels. (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. 1. Tightening of clamps and connectors on overhead bus conductors and gantries (at a maximum height of 25 meters using safety belts). Also tightening of clamps and connectors of all bus side associated equipments 2. Replacement of worn out clamps & connectors of bus during work under item no.1 3. Cleaning of all insulators of suspension and tension strings of bus bars and insulators of bus isolators, Bus CVTs, Pts.							


	4. Checking of operation of Bus isolators and their alignment including motorized operation. 5. Maintenance of operating mechanism and switches etc of Isolators. 6. Lubrication of all moving parts of Isolators. 7. Providing other related assistance as may be required by work in charge.							
5.3	132 KV Bus section (1 No. Supervisor + 4 Nos. Workmen)	01 Nos.	Each Section	1446.00	02	2892.00	60%	4627.20
5.4	33 & 11 KV Bus section (1 No. Supervisor + 4 Nos workmen)	04 Nos.	Each Section	1351.00	02	10808.00	60%	17292.80
								Rs 108288.00

(Say Rs. One Lac Eight Thousand Two Hundred Eighty Eight only)

General terms & conditions:-

- All material, spares & only special T&P shall be provided by the RVPN.
- The contractor shall provide and ensure the use of safety devices and shall take precautions as per norms.
- The contractor shall follow a safe method of working so that there is no damage to Nigam's material and also no injury to any of his workers. The contractor shall be fully responsible for the safety of workers and RVPN will not be responsible for any type of accident, minor or fatal to any person at work site.
- RVPN shall issue a written one day prior notice to the contractor for the proposed work to be taken up during shut down of bay / equipment in case of routine maintenance.
- The contractor should have capability of providing required labour under emergent circumstances at a short notice.
- All the workmen provided by the contractor shall be got insured for accidents by the contractor himself.
- The permit to work shall not be issued to the the supervisor of the contractor.
- In accordance with the scope of the works, this is labour contract, hence no sales tax will be leviable. However any tax on such labour contracts if levied shall be to the contractor's account.
- The work will be carry out in presence of nominated officer.
- The payment will be arranged after work completion satisfactory.


Assistant Engineer
132 KV GSS RVPNL,
Pipar City.


Executive Engineer
220 KV GSS RVPNL,
Bilara.

