



# RATNAGIRI GAS & POWER PRIVATE LIMITED

Promoters: NTPC Ltd. & GAIL (India) Ltd.

C&M Dept

## Brief Scope of Work for Vendor Registration of services

1	<b>AMC for carrying out vibration analysis and monitoring of the equipment's.</b>	
	Brief scope of work	The Scope of work includes the vibration monitoring and analysis of equipment broadly listed below: <ul style="list-style-type: none"> <li>1) Total number of equipment are 350 including standby; 150 number of equipment under vibration analysis (Monthly).</li> <li>2) Routine Vibration data to be captured and submitted to EIC with all spectrums including analysis and recommendations.</li> <li>3) Vibration monitoring as per call by Operation/Maintenance deptt during all three shifts.</li> <li>4) Monthly, all equipment vibration data to be captured (Route, data base to be prepared) and report to be generated (BROAD ANALYSIS REPORT, containing equipment wise overall vibration values, FFT charts, analysis and observations, recommendations, etc.).</li> <li>5) Dynamic Balancing of equipment to be carried out as per requirement.</li> <li>6) Data to be captured through BNC cable as per requirement.</li> <li>7) Deployment of manpower (Vibration analyst) along with necessary equipment, analyzer and other hardware &amp; software at site.</li> </ul>
2	<b>Maintenance of RGPPL owned vehicles.</b>	
	The scope includes the following: <ul style="list-style-type: none"> <li>1. Scope of work includes routine, periodic, minor and major maintenance works of Tata, Mahindra, Eicher, Leyland make passenger &amp; goods vehicles (Diesel LMV,LCV, HCV) and Escort, ACE, Daewoo &amp; TIL make heavy material handling equipment's.</li> <li>2. Agency has to deploy 01 site supervisor, minimum 1 mechanic diesel/ electrician along with minimum 02 helpers, for the execution of preventive, routine, periodic &amp; minor maintenance work of the vehicles on daily basis at RGPPL site.</li> </ul>	
3	<b>Hiring of 100 Tonne or higher capacity mobile crane services.</b>	
	RGPPL is having equipment's (motors, pumps etc.) installed at various location & height. In order to carry out maintenance of these equipment's, the same may be required to remove, shift & re-installed after maintenance work. In order to carry out such maintenance work, RGPPL intend to hire tyre mounted crane as & when required basis. The above equipment should be compatible for the movements in all terrain including on roads with steep slopes.	
4	<b>Annual contract for cooling water treatment.</b>	
	The scope includes the following:	



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	<ol style="list-style-type: none"><li>1. study, recommendation and successful implementation of suitable chemicals/ chemical formulations for the sea water cooling systems of Steam Turbine condenser and Open cooling system for Auxiliary using Filter water (of one block or split blocks).</li><li>2. The treatment shall be as per operational requirements against possible corrosion/scale and deposits/fouling.</li><li>3. Monthly demonstration of performance guarantees of the chemicals / formulations as given in PG requirement.</li></ol>
5	<b>Miscellaneous Civil works.</b> The scope includes the following: Civil works like earth excavation, concreting (RCC and PCC), masonry, paving, steel fabrication and erection, all interior finishing works including painting and glazing works, plumbing and sanitary works.
6	<b>Waterproofing</b> The scope includes the following: Surface preparation of the structure including roof screeding, grouting followed by water proofing.
7	<b>Comprehensive maintenance contract for PCs and Peripherals.</b> The scope includes the following: Comprehensive Maintenance Contract (Hardware & Software) including replacement of defective parts of Servers, PCs and peripherals. Resident Engineer should be capable of doing Preventive maintenance of Servers, PCs and Peripherals. Resident Engineer should be capable of trouble shooting Hardware and Software problems of Servers, PCs and Peripherals. Resident Engineer should have knowledge of Installation of Hardware, Drivers, software for PCs and Peripherals.
8	<b>Repairing of faulty GE make control card</b> The scope includes the following: The vendor should able to check the healthiness of faulty cards supplied by GE. Vendor should be able to identify faulty components and repair the failed cards by replacing the faulty components. Agency should give a minimum warranty for 6 months on repaired cards.
9	<b>Operation of fuel pump at RGPPPL Premises.</b>



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	Handle receipt / storage / delivery of the fuel stocks, maintain proper & correct accounts of the transaction carried out each day & submit the same to RGPPL on weekly basis and deposition of cash to the RGPPL bank account.
10	<b>Custom Clearance, handling forwarding and transportation of imported good.</b> The scope includes the following: 1. Customs clearance of consignment at Mumbai airport/Mumbai sea port/ Nhava Sheva sea port/ International courier, whichever is applicable on payment of customs duty as per applicable tariff head. 2. Handling, forwarding, transporting & delivery of consignment to Ratnagiri Power Project from Customs port/ Warehouse. 3. Filing & settlement of refund claims & other appeal cases with customs. 4. Preparation and submission of reconciliation statement of consignment clearance/delivery to site on quarterly basis.
11	<b>Electrical equipment testing of 400 KV switchyard, Generator, power Transformers, HT motors at RGPPL site</b> Electrical equipment testing. (i) SF6 circuit breaker, current transformer, CVT, Isolators testing in 400 kV switchyard. (ii) High capacity Generator (330 MVA/15.75 kV) testing. (iii) Power Transformer (330 MVA, 15.75/420 KV) testing. (iv) 3 Winding Station service transformer (70 MVA, 420 kV/11.5 kV/6.9 kV) testing. (v) Unit auxiliary transformer (20 MVA, 15.75 kV/6.9 kV) testing. (vi) Indoor/Outdoor distribution transformer (11 kV/6.6 kV/415 V) testing (vii) 11 kV & 6.6 kV HT motor testing
12	<b>Electrical protection testing of 400 KV switchyard, generator, power transformers, HT motors &amp; feeders.</b> Electrical Protection relay (Static & Numerical relay) testing. (i) High Impedance & Low Impedance Bay differential relay, LBB relay, Bus bar protection relay & line protection relay testing in 400 kV switchyard. (ii) High capacity Generator (330 MVA) Protection system relay testing. (iii) Power Transformer relay testing. (iv) HT motor protection relay testing. (v) HT feeder protection relay testing.
13	<b>Hotline washing of 400 KV switchyard Bay</b> The scope includes the following: Hot Line water washing {Washing under live line conditions (charged) using DM water} of insulators of 400 KV switchyard gantry & equipment's at RGPPL site.