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KEY DETAILS

1.	Blank Tender Document fee (Non refundable)	Rs.1000.00 This should be paid by DD in the name of BMRCL, Bangalore, payable at Bangalore. The blank Tender Documents can be purchased at the BMRCL office during office hours from 10.00 AM to 5.00 PM from 05.08.2015 to 04.09.2015 by making payment through DD of Rs1000.00
2.	Earnest Money Deposit (EMD) (Refundable immediately after award of the tender or 90 days whichever is later)	Rs.8500.00 DD for Rs. 8500.00 shall be enclosed along with the proposal and placed in the cover The DD shall be drawn in the name of BMRCL, Bangalore, payable at Bangalore. If proposal is received without the requisite DD therewith, the tender shall be rejected)
3.	Address for submission of Tender document	The Managing Director, Bangalore Metro Rail Corporation Limited, 3 rd Floor, BMTC Complex, K.H. Road, Shanthinagar, Bangalore-560 027.
4.	Last date and time for submission of Tender Document	05.09.2015 up to 3.00 PM
5.	Date and time of opening of Tenders	05.09.2015 at 3.30 PM

C. DATA SHEET (INCLUDING TERMS OF REFERENCE)**9. Information to Tenderers**

9.1 The name of the Client is: **Bangalore Metro Rail Corporation Limited**

9.2 A Prequalification, Technical and a Financial Proposals are requested: **YES**

9.3 The name, objectives and description of the Assignment are:

Name: Non-Comprehensive Annual Maintenance contract for Four No's of Cummins make DG Sets including AMF Panels in Two stations of Reach-I & Baiyapanahalli Depot. (Depot ASS, OCC ASS)

9.3 **Objective:** The Company is looking for service providers who have the competence to provide Annual Maintenance for Four No's of Cummins make DG Sets in Two Stations of Reach-I & Baiyapanahalli Depot, as per international norms / standards. This involves providing Non-Comprehensive services in the area mentioned above, for two Stations of Reach – 1 (at M G Road, Trinity, Depot ASS, OCC ASS).

9.5 **Schedule of work:** Non-Comprehensive Annual Maintenance of DG Sets including AMF Panels in two Stations of Reach-I & Baiyyappanahalli Depot. {Further to be referred to Scope of work (Para-9.6) & Explanatory notes}.

9.6 **Scope of Work:** The details of Scope of work are mentioned in Annexure-1C1 and Explanatory notes to scope of work are mentioned in Annexure-1C2.

SCOPE OF WORK

SI No	Description of work
1.	<p>Maintenance and up keeping in trouble free & working condition of existing Cummins make DG Sets including AMF panels, at the following locations :</p> <ul style="list-style-type: none">a. M G Road Metro station (200 KVA)b. Trinity Metro station (180 KVA)c. Baiyapnahalli depot ASS (630 KVA)d. Baiyappanahalli depot - OCC ASS(380 KVA)

BI - MONTHLY

The following check is to be carried out:

- (i) Check & top up oil in the air cleaner.
- (ii) Checking and monitoring Lube oil and fuel filter and advice BMRCL.
- (iii) Check hose connections in cooling system& Checking of V Belt.
- (iv) Radiator maintenance.
- (v) Checking and cleaning Centrifuge filter.
- (vi) Check Fuel piping connections.
- (vii) Check Exhaust piping connections.
- (viii) Check Engine mountings, Engine to drive unit coupling.
- (ix) Check of Electrical connections.
- (x) Lubricate throttle linkages.
- (xi) Clean air cleaner, fuel feed pump strainer.
- (xii) Check electrolyte in battery, cleaning of Battery terminals applying Petroleum jelly, filling of Distilled water.
- (xiii) Service for Main Alternator, power panel, AMF panel.
- (xiv) Checking of the all – electric wiring.
- (xv) To advice User if any abnormality found on the load pattern.
- (xvi) Checking all the instrument / gauges or proper working and advising for replacement of the same if found defective.
- (xvii) Advising User on any of the rectification work to be done to improve the overall efficiency of the machine.
- (xviii) Testing the engine on load for at least half an hours after every service or visit
- (xix) To educate operator on Day-to-Day maintenance.
- (xx) Checking and advising operator for maintaining log book.
- (xxi) Measure and record I R values of all windings using 500V megger.
- (xxii) Record windings resistance values of all windings with Micro Ohm meter.
- (xxiii) Measure and adjust voltages as required
- (xxiv) Check & tighten all connections
- (xxv) Inspect stator & rotor winding and record.
- (xxvi) Check condition of bearing noise.
- (xxvii) Replace parts, components and assemblies as & when required
- (xxviii) Maintenance of stator motor.

DURING B CHECK:

B Check-maintenance schedule is to be carried out as per manufacturer's recommendation. The materials will be supplied by BMRCL.

Replace engine oil

1. Replacement of Fuel & engine oil filter.
2. Check & reset injector pressure and injector pump timing.
3. Retighten cylinder head nuts.
4. Adjust engine valve clearance.
5. Any additional maintenance/check/replacements/tests/calibration/cleaning etc., as per manufacturer's recommendation.