

Dated:27/11/2013

QUOTATION NOTICE

Competitive quotations are invited for Annual Maintenance Contract (AMC) for 125KVA Diesel Generator Set installed in Kochi Metro Rail Limited office. The quotation should be addressed and submitted to Dy. General Manager (Power &Traction), Kochi on or before 6/12/2013 at 3.00pm and will be opened at 3.30pm on the same day. Late submission of quotations will not be considered.

The AMC work include the maintenance of the given equipment's for one year

1. Diesel Engine

- a. Check engine safeties for their functions and replace, if found defective
- b. Ensure the condition of coupling nut, bolt and their tightness and attend them
- c. Check vacuum indicator and clean air cleaner element at 60PSI air pressure and check air restriction and ensure that it doesn't exceed 25 inch of water column
- d. Check lube oil level and condition of lube oil and Top up / refill ,if required
- e. Check governor oil level and Top up/ refill ,if required
- f. Ensure proper working of self-starter. Replace the starter motor ,if found defective
- g. Ensure engine starter motor cable terminal for any looseness and attend them
- h. Check radiator water, water filling cap and condition of radiator fan belt & its tightness and attend them
- i. Ensure radiator fan lock nut and condition of fan blade for any sign of crack and attend them
- j. Ensure condition of radiator hoses clamp/water leakage and attend them
- k. Ensure the condition of diesel filling cap and diesel level/diesel leakage and attend them
- l. Check the leakage of fuel ,lubricating oil and coolant and attend them
- m. Ensure the condition of air inlet restriction and maintain it up to service level.
- n. Clean fuel tank externally and ensure proper condition of its nut bolts
- o. Six service visit in a year (Once in TWO months)

2. Batteries and charger

- a. General maintenance of lead acid battery as per manufacture maintenance manual
- b. Ensure operation of battery charger and attend them
- c. Ensure battery charger condition and its connection tightness and attend them

3. Alternator

- a. Ensure tightness of all connections of alternator cables
- b. Check alternator for any unusual sound and attend the same
- c. Ensure generation of proper voltage
- d. Ensure proper earthing connection
- e. Diagnose and troubleshoot the complaints related to alternator and attend the same

4. Power control panel

- a. Ensure proper working of lamps and fuses and replace them
- b. Ensure proper tightness of connection
- c. Ensure proper closing of main breaker contactor and attend them, if required
- d. Ensure proper working of instruments on the instrumental panel
- e. Ensure proper working of DC & panel wiring system and attend them ,if required
- f. Ensure proper working of different meters- Ampere meter, Volt meter, KW meter, Frequency meter, RPM meter and replace ,if required

SPECIAL CONDITIONS

- 1. The work shall be carried out with the directions and supervision and in stages desired by KMRL or authorized representatives of the KMRL.
- 2. Contractor shall have to provide all safety appliances to their works Electrical safety, while working at height at his own cost and follow all regulation and all statutory provisions also covering the working areas etc in force .He shall be liable to incur all the expenses in consequence thereof and KMRL is in no way responsible for any damages arising out of this

work contract. All compensation to the contractor's employee against accidental injury or death during the course of work, will be the responsibility of the contractor. The contractor shall be responsible for all implications under labour Laws and Act of Kerala State and central Government (Including fire insurance).

3. Mode of Payment: Payment will be made in six equal installments on certification of satisfactory completion of the required work by the competent authority for each visit, within 15 days from the date of submission of invoice. Also payment will be made only to the designated bank account in India of the payee through electronic mode on submission of an invoice.
4. A report of maintenance shall be made for each visit and jointly signed by authorized KMRL official and contractors representatives.

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