

## TECHNICAL SPECIFICATION

### 1.0. GENERAL

Mormugao Port Authority invites the quotation for the work of “**Non - Comprehensive Maintenance Contract of 6 nos. Cummins make Diesel engines of the firefighting Systems at Berth no. 8 and 10. for the period 01/06/2023 to 31/05/2024**”.

### 2.0. SCOPE OF WORK:

**For Quarterly Non Comprehensive Maintenance Contract (ie. 4 visits in a year) of 6nos. Cummins engines along with 2 Free Break Down Visit for each engines.**

**The engine details are as below.**

1) EngineSr.No.:25190786 Model: NT- 495 -G Application: GENSET(D)	2) Engine Sr. No.:25192211 Model: NT-743-F Application: FIREFIGHTING	3) EngineSr.No.:25192212 Model: NT-743 - F Application: FIREFIGHTING
4) EngineSr.No.:25193849 Model: VTA-1710-F1 Application: FIREFIGHTING	5) Engine Sr. No.:25193017 Model: VTA-1710-F1 Application: FIREFIGHTING	6) Engine Sr. No.: 25240085 Model: NT-495-G Application: FIREFIGHTING

During each visit under this contract, the following work will be carried out by the Service representative, as required according to the working of the engine.

1. Drain the lube oil from the sump as per the recommendation in the operation and instruction manual.
2. Renew lube oil filter element as required.
3. Refill the sump with new lube oil and prime the lubricating system if required.
4. Checking and tightening as required any external bolts.
5. Replacing fuel filter element as per the recommended procedure.
6. Checking and correcting the tightening of all hoses and clamps.
7. Checking and adjusting belt tensions or replace the belts as required.
8. Checking and adjusting tappet clearance as required.
9. Checking and tightening engine bearer cap screws.
10. Carryout air cleaner maintenance as required.
11. Checking and recording engine performance parameters
12. Checking and correcting external leakages.
13. Checking EPU for proper functioning
14. To carryout schedule maintenance as per Maintenance checklist of the engine
15. All required spares & lubricants, shall be supplied by the Port.
16. Special tools required if any will be carried by the Service Engineer.

### **TERMS AND CONDITIONS:**

1. The service engineer will execute 1 visit every 3 months (quarterly) for a period of 1 year (i.e. 4 visits per year) from 01/06/2023 to 31/05/2024 consisting of 4 visits and GST extra as applicable for 6nos. Cummins make engines installed at B.No. 8 and B.No.10 of MPA.
2. During Non Comprehensive Maintenance Contract period, in case of breakdown/repairs/spares replacement taking more than one day, the same should be attended without any additional cost. Work will be carried out under the Technical guidance supervision of Contractor Representative whereas labour for carrying out /during the work/breakdown will be provided by Port free of charge.
3. Port has the right to terminate the contract can be terminated by giving one month notice anytime without giving any reasons.
4. After each maintenance visit, invoice, service reports duly signed and stamped by authorized person and also EPF & ESIC challans should be submitted to this office in duplicate.
5. Work Experience: Contractor should have sufficient experience in carrying out maintenance of engines.
6. Necessary document/work order in support should be submitted by contractor.
7. Contractor should have regd. office in Goa and in case of breakdowns/notice should be able to attend the work/breakdown within 24 hrs. from the time of call/notice.
8. All PPE should be wear by representatives attending maintenance and all necessary safety precautions to be taken while carrying out Maintenance related works.
9. The Gate entry pass shall be non-Chargeable basis.
10. **Payment terms:**

Payment along with applicable GST will be released within 30 days from the date of receipt of undisputed bills in duplicate, and with all supporting documents such as ESI, EPF if applicable after each visit. GST number shall be invariably indicated on all invoices.

## SCHEDULE OF PRICES AND QUANTITIES

Sr. No.	(Non Comprehensive Maintenance Contract Service Charges of)	No. of Visits in a Year  (A)	Rate/Visit for 6 nos. engines (Quarterly) Rs.  (B)	Total Amount exclusive of GST  (A) x (B)	% GST	Total Amount for 4 Visits (Quarterly) Rs. (Inclusive of GST)
<b>1</b>	<b>06 Nos. Cummins make Firefighting Engines at B.No.8 &amp; B.No.10</b>	<b>04</b>				
Rupees _____ only inclusive of GST						

**Date:**

**Signature:**

**Place:**

**Name:**

**Address:**

**Office Seal of firm:**

**Note:**

- a) Rates quoted shall be inclusive of GST.
- b) Evaluation of Quotation will be carried out. The lowest offer (L1) for total six engines shall be considered among all tenderers for award of work.