



Cargo Handling Corporation Limited

CHCL BUILDING, MER ROUGE, PORT LOUIS, REPUBLIC OF MAURITIUS

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Business Reg. No C09004076

To: All Potential Bidders

Date: 01 December 2025

Procurement of Services for Maintenance and Repair of Ship to Shore Cranes, Rubber Tyred Gantry Cranes and Substations at Mauritius Container Terminal for a period of Five (5) years

Procurement Reference No: OIB/CHCL/MN/03/2025

CPB Reference No: CPB/29/2025

Clarification No. 1

S N	QUERIES	CHCL's Reply																																																																	
1	Please state how many complete engines & main alternators are in stock for each type of RTGs.	Presently there is no new engine available, however procurement exercise for 3 new engines along with installing and commissioning have already been initiated. There is no spare alternator in stock.																																																																	
2	How many overhauls have those engines been through and state at what running hours these overhauls have been done.	<table><tr><th>RTG</th><th>Hm (Overhauls)</th><th colspan="2">Engine overhauled</th><th>Remarks</th></tr><tr><td rowspan="4">RTG 01</td><td rowspan="4">101903 (4 Overhauls)</td><td>64885</td><td>May 18</td><td></td></tr><tr><td>45568</td><td>Feb 15</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>36642</td><td>Oct 13</td><td></td></tr><tr><td rowspan="3">RTG 02</td><td rowspan="3">104121 (3 Overhauls)</td><td>19871</td><td>Dec 10</td><td></td></tr><tr><td>93468</td><td>Jan 25</td><td></td></tr><tr><td>58827</td><td>Jan 17</td><td></td></tr><tr><td rowspan="3">RTG 03</td><td rowspan="3">143200 (3 Overhauls)</td><td>29111</td><td>Aug 12</td><td></td></tr><tr><td>143200</td><td>Oct 25</td><td></td></tr><tr><td>54092</td><td>Sep 15</td><td></td></tr><tr><td>RTG0 4</td><td>22977</td><td></td><td>New engine Apr 21</td><td></td></tr><tr><td>RTG 05</td><td>58042 (1 Overhaul)</td><td>53929</td><td></td><td></td></tr><tr><td>RTG 06</td><td>53065</td><td></td><td></td><td>To be planned</td></tr><tr><td>RTG 07</td><td>61136(1 Overhau)</td><td>44910</td><td>Feb 2019</td><td></td></tr></table>					RTG	Hm (Overhauls)	Engine overhauled		Remarks	RTG 01	101903 (4 Overhauls)	64885	May 18		45568	Feb 15					36642	Oct 13		RTG 02	104121 (3 Overhauls)	19871	Dec 10		93468	Jan 25		58827	Jan 17		RTG 03	143200 (3 Overhauls)	29111	Aug 12		143200	Oct 25		54092	Sep 15		RTG0 4	22977		New engine Apr 21		RTG 05	58042 (1 Overhaul)	53929			RTG 06	53065			To be planned	RTG 07	61136(1 Overhau)	44910	Feb 2019	
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		RTG 08	53178			To be planned
		RTG 09	48355	Breakdown		New engine in process
		RTG 10	400		New engine Oct 25	
		RTG 11	49435			To be planned based on condition monitoring
		RTG 12	48671			
		RTG 13	41777			
		RTG 14	44448			
		RTG 15	34985	18573	Top engine 2023	
		RTG 16	37881			
3	What are the forecasted major overhauls during the next 5 years.	Overhauling is based on condition monitoring. The following need to be plan RTG 01, 06, 08, 11, 12, 13, 14,15 &16				
4	On average, how long has the CHCL taken to set back to operations an RTG after an engine or alternator failure?	Case to case basis depending on availability of spare parts. As per last engine change it took about 1-2 month. Proper planning need to be carried out by contractor.				
5	a) Routine Check and Inspections Page 53 “A visual general check should be carried out on the operational STS’s spreader/headframe safety devices at the end of each shift/before start of shift”. What is the time slot allocated for the above? “The Contractor shall have to deploy adequate manpower to keep everything in proper order inside the STS Cranes and RTG Cranes. Special	Usually during the change of shifts, a slot of 15 to 20 minutes are available.				

	attention shall have to be given for reasonable Cleanliness & House Keeping inside the Electrical Control Room, Operator's Cabin, Machinery House, lower portions of STS Cranes, checker cabin, HV cable trench etc. "	
6	What is the time slot allocated and please state the preferred time for the cleaning of the operators' cabin per crane – This will determine the number of cleaners that will have to be mobilised.	Cleaning of the Operator cabin also can be carried out during the change of shift slots namely. 07:00 to 07:15/15:00 to 15:15 hrs or as mutually agreed.
7	HV Cable Trench - As per Health & Safety protocols we need to power off the cranes. Please advise what is the time slot allocated for this manoeuvre per month.	Same can be discussed and mutually agreed
8	"Refuelling of RTG Cranes and fuel monitoring. Ensure fuel Bowsers are being used properly and any damage / accident to be reported immediately to CHCL. <i>"Refuelling of RTG Cranes and fuel monitoring. Ensure fuel Bowsers are being used properly and any damage / accident to be reported immediately to CHCL.</i> Will a safe & restricted space be provided for the above? This will ensure that Service Provider will not be responsible for damages caused by a third party. Is there reasonable & safe means to pull the bowsers? Will the time of the day allocated for this work take	Provision for a safe and restricted place for keeping of bowser has already been identified. Appropriate equipment can be used. Equipment should be refuelled during maintenance slot and same is depended on operational exigencies.

	into consideration the Health & Safety aspects, as performing same during low light amplitude increases the risk.											
9	<u>Section 6.4 of the Bid Document stipulates:</u> Engagement and Conditions of Staff and Manpower (Page 62) <i>“The Maintenance Contractor should provide means of transport for its employees on the terminal and all associated costs will have to be borne by the contractor.”</i> Please do provide us with precise and clear pre-requisites of the CHCL to obtain such access pass for the vehicles. We understand that after the CHCL approval same shall have to be approved by Police & Mauritius Port Authority.	There is already a process in place for access of vehicles under the Ports Act.										
10	<u>Section 7.0 PLANT, EQUIPMENT AND TOOLS of the bid stipulates:</u> <table border="1"> <thead> <tr> <th>No.</th> <th>Equipment Type and Characteristics</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Complete set of Equipment for operating a mechanical electrical</td> </tr> <tr> <td>2</td> <td>Appropriate Lifting equipment for execution of maintenance wo</td> </tr> <tr> <td>3</td> <td>Appropriate tools equipment workbench for the testing of d meters</td> </tr> <tr> <td>4</td> <td>Appropriate transport facilities for the transport of personnel an Terminal for the execution of maintenance works</td> </tr> </tbody> </table> Is there a Safe Pedestrian Pathway from MCT entrance to the contractors workshop ? OR does the contractor need to provide transport facilities for the employees to access the workshop. In the event no such facilities is provided, the Contractor will have to purchase/ rent a 15-seater	No.	Equipment Type and Characteristics	1	Complete set of Equipment for operating a mechanical electrical	2	Appropriate Lifting equipment for execution of maintenance wo	3	Appropriate tools equipment workbench for the testing of d meters	4	Appropriate transport facilities for the transport of personnel an Terminal for the execution of maintenance works	This is a common safe pedestrian passage presently at MCT. MCT being an operational area has a common transport for its personnel/sub-contractors/visitors. The Maintenance Contractor may avail of this facility.
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	van and the recruitment of 4 bus drivers on shifts.	
11	Is a hot work permit required prior to performing some related works. Can we have an estimate of the price and procedure to obtain such permit. The MPA web site does not have this specific information. Are there any restrictions for the time frame of the permit specially at night and during weekends & public holidays.	Hot work permit is required at quay apron and container stacks only. However, same is not required in the Workshop. No restrictions except that prior approval of MPA is required.
12	Is there a dedicated safe area for the servicing & repairs of the RTGs.– Is a hot work permit required for works in this area?	Three parking and maintenance bays are available for the maintenance of RTG. As per the MPA hot work permit will be required for any hot work in that area.
13	What is the forecasted strategy of the CHCL with regards to the Cranes disposal or stoppage for the next 5 years?	No disposal forecasted within the next five years
14	<u>Section 10.0:</u> <u>Sub-</u> <u>contracting</u> <u>stipulates that</u> Page 67 <i>"The servicing of the prime movers to be carried out at intervals of 500 hrs with appropriate engine oil and spares"</i>	Our strategy is based on preventive maintenance/ oil sampling analysis and effective monitoring

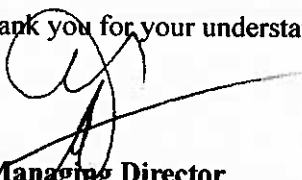
	Following request to perform servicing at 500hrs on the Engines, even when the OEM recommends same to be done 250 hours. This can cause the reliability of the engine to lower, hence probably affecting availability & AHI.	
15	Section IV Price Schedule (Page 48) Will the cost of the Yearly General Maintenance and major OEM scheduled service of the substations be borne by the CHCL.	As per current practice yearly general maintenance cost is borne by CHCL for high voltage same is contracted out to appropriate sub-contractors. Low voltage is for the maintenance contractor as defined in the Scope of Service.
16	What are the storage facilities available for this project.	Storage of spare parts store is available.
17	Will the maintenance of the offices, storage facilities, workshops and auxiliary equipment be maintained by the CHCL and are adequate to last for the duration of the Contract?	Yes
18	Is the workshop certified for factory registration & fire certificate. Will the CHCL cater for that? If not, kindly depict precisely the works/permits required.	Currently there is factory registration & fire certificate, however, as prevailing laws factory registration should be done by the Maintenance Contractor.
19	Is the workshop with a hoisting facility permitting the safe handling of the future and existing spreaders?	No. Assistance of CHCL for proper equipment may be sought
20	Section 15.0 PERFORMANCE OF MAINTENANCE CONTRACTOR/PENALTY Page 61 "Asset Health Index (AHI) is a score/Index that represent the overall health	The predictive tools will be provided by CHCL and used to inspect and assess the condition of the equipment components. The detailed calculation weight will be discussed and mutually agreed after award. Please refer to Page 71.

	of an asset based on the predictive technology (oil sampling, vibration analysis, ultra sound, thermography, motor current analysis, NDT, ...)" AHI formula calculation – same has been added in the penalty clause – As such we would like to know what data set the CHCL is using and how the normalised value has been calculated. What methodology is being used to calculate the weightage? And what sub component of the equipment will be subject to AHI. Can we have an example on how the CHCL calculates the AHI of the Rectifier Regenerative Unit on an IMCC STS, OR an equipment that would be involved in the computation of the AHI. Furthermore, will the CHCL bear the cost of the Predictive Technology? If not can we have the extent precise Predictive Technology the CHCL intend to implement ? This will directly affect the cost.	
21	Section IV Activity Schedule (Page 54) "All PLC, CMS and drives software shall be password-protected." Question 22: If ever this requires specialised interventions which incurs a cost, would the CHCL bear the expense?	This can be taken on a case-to-case basis, namely if same is found to be beyond the contractor ability.

22	Section IV Activity Schedule (Page 64) "In case the Maintenance Contractor is using a different asset management software, same should cater for interface with CHCL's eAMS." Will CHCL provide monitoring and support for troubleshooting or resolving interface issues during the contract period? As we shall need Ongoing monitoring support to maintain system compatibility and data integrity.	Yes
23	Section 5.0 SCOPE OF SERVICES Page 51 "The CHCL shall grant access to the Maintenance Contractor for use of the EAM system." the CHCL grant Software & Hardware equipment, to cater for the complexity of the contract?	Hard ware and software up to three licenses will be provided to the service provider.
24	Section 2.0 DETAILS OF THE PORT EQUIPMENT Page 51 "Time frame for completion: Within 10 hours from decision of tie down or as agreed during the planning for tie down." Will the CHCL take into consideration all the Health & Safety requirement in taking the decision to perform the tie down, within reasonable time, so as to give ample daylight time for the said works?	Tie down will be coordinated on a case-to-case basis. It is no doubt that safety of personnel should be taken into consideration.

	As performing same during low lights amplitude & increased wind speed greatly increases the risk of injury.	
25	Statement from the Bidder-Reference to Annex 5 The Contractor has in its employment, employees working in permanent capacity which are paid a fixed monthly salary, employer contribution, and benefits associated. These costs are fixed in nature and considered as Fixed Cost, except for the variable component of overtime payment if any.	This should read as Annex 4 Submission is mandatory as per Procurement Laws.

We thank you for your understanding and collaboration


The Managing Director
Cargo Handling Corporation Ltd
01 December 2025

ACKNOWLEDGEMENT

We hereby acknowledge receipt of **Clarification No. 1** for **"Procurement of Services for Maintenance and Repair of Ship to Shore Cranes, Rubber Tyred Gantry Cranes and Substations at Mauritius Container Terminal"** CPB Reference No: CPB/29/2025.

(Please fill in the form below).

Company Name : _____

Representative's Name : _____

Representative's Signature : _____

Date : _____