

TECHNICAL SPECIFICATIONS

Name of the Work: Annual Thorough Examination / Periodical Load testing of lifting Appliances/ equipments at Mormugao Port Trust.

Scope of work

1. Every Lifting Appliances and Loose Gears shall be tested, examined and certified by a Competent Person before being taken into use for the first time to ensure that it is of good construction sound material and of adequate strength for the purpose for which it is used and after it has undergone any alterations of repairs liable to affect its strength or stability and also once at least in every five years in the manner set out in Schedule-I [Regulation 41(1)] and Schedule-I [Regulation 47(1)]. As such, the tenderer shall carry out this five yearly load testing in line with above regulations.

2. All Lifting Appliances and Loose Gears shall be thoroughly examined by a Competent Person atleast once in every 12 months. The particulars of these thorough examinations shall be entered in Part-I and Part-II of the Register as per the Regulations 41(2), 47(2), 51 and 52(1). As such the tenderer shall carry out this annual thorough examination in line with above regulations.

3. After Periodic test and Annual Thorough Examination of Equipments / lifting appliances, the competent person shall issue the certificate as per the Dock Safety Regulation for periodic testing and endorsement on cargo/chain register for annual thorough examination.

4. **Definitions :**

(i) Lifting appliances : Means all stationery or mobile cargo handling appliances including their permanent attachments such as Cranes, derrick shore based power operated ramps used on shore or on board ship for suspending, raising or lowering cargo or moving them from one position to another while suspended or supported in connection with the dock work and includes lifting machinery.

(ii) Loose gears : Means hook, shackle chains, sling, lifting beam, container spreader, tray and any other such gear by means of which the load can be attached to a lifting appliances and includes lifting device.

5. The details of equipments/ lifting appliances of Periodic load testing and Annual Thorough examination is given as below.

A) PERIODICAL LOAD TESTING (5 YEARS PERIODICITY)

SR. NO.	EQUIPMENT	SWL
1	5 T EOT Crane (Electrical Workshop)	5T
	Hook block of EOT crane	
2	8T TIL Hydraulic crane	8T
	Loose gears of 8 T TIL crane	
3	75T TIL Hydraulic crane	75T
	Loose gears of 75T TIL crane	
4	11T ACE Hydraulic crane	11T
	Loose gears of 11 T ACE crane	

5	Chain pulley block	10T
6	Chain pulley block	5T
7	Max puller	5T
8	Max puller	3T
9	Max puller	800 kg.

B) ANNUAL THOROUGH EXAMINATION (1 YEAR PERIODICITY)

SR. NO.	EQUIPMENT	SWL
1	45T OMEGA Hydraulic crane	45T
	Loose gears of 45 T OMEGA crane	
2	120T ITALGRU Harbour mobile crane	120T
	Loose gears of 120T ITALGRU Harbour mobile crane	
3	Chain pulley block	10T
4	Chain pulley block	5T
5	Max puller	5T
6	Max puller	3T
7	Max puller	800 kg.

6. **Completion period:** Entire work shall be completed within three months from the 7th day of issue of Letter Of Acceptance by the Port.