CHECKLIST CRANE INSPECTION

MV. Keoyang Noble

Date: Crane No.1/2/3

S/N	Items	Yes	No	Remarks		
A. Tower Crane Approved For Use						
1	Crane is approved by MOM.	Yes	No			
2	Crane has a valid Lifting Machine (LM) certificate (issued less than 12 months ago).	Yes	No			
B. Ger	B. General Requirements					
3	Crane is provided with markings of the Safe Working Load, serial number and LM number.	Yes	No			
4	Safe access and egress are provided to the crane operator.	Yes	No			
5	A load capacity chart is displayed in the operator cabin.	Yes	No			
6	Operator crane cabin is provided with a locking mechanism so as to prevent unauthorised entry.	Yes	No			
7	A safety bar is fitted across the operator's cabin window where there is likelihood of the operator falling through it.	Yes	No			
8	Fire extinguisher is fit for use and provided in the operator cabin.	Yes	No			
9	An updated Operation and Maintenance log book is available in the operator cabin.	Yes	No			
10	Manufacturer Operating Manual and Maintenance Manual are made available.	Yes	No			
11	Crane is adequately grounded or protected against lightning.	Yes	No			
C. Oth	ner visual checks					
11	Load charts and other symbols are available and visible.	Yes	No			
12	Hydraulic fluid level is sufficient.	Yes	No			
13	Slewing oil level is sufficient.	Yes	No			
14	All mounting bolts are in good condition.	Yes	No			
15	Hydraulic system is free of leaks.	Yes	No			
16	Boom sections are free of cracks or dents.	Yes	No			

17	Main and auxiliary wire ropes are well lubricated and that there are no visible defects such as broken wires, kinks, excess wear, crushing etc.	Yes	No	
18	Winches, pulleys and wire ropes are in good working condition.	Yes	No	
19	Crane hook is provided with a safety catch to prevent displacement of the sling or load from the hook.	Yes	No	
D. Safety and Operational Devices				
20	Load radius indicator with warning alarm is installed.	Yes	No	
21	Jib angle indicator is provided (For Luffing JibCrane).	Yes	No	
22	Emergency stop button, which will terminate the operation of the crane engine, is installed in the operator cabin and correctly identified.	Yes	No	
23	Effective braking mechanisms for the following is maintained:	Yes	No	
,	(a) Hoisting	Yes	No	
	(b) Derricking	Yes	No	
	(c) Slewing	Yes	No	
	(d) Trolley Travelling	Yes	No	
24	Hoisting Limiter to prevent over-hoisting of the hook block is functional.	Yes	No	
25	Trolley Travelling limiter to prevent over-travelling of trolley is functional.	Yes	No	
26	Limit switches to prevent over-derricking and over-lowering of jib (For Luffing Jib Tower Crane) is functional.	Yes	No	
27	Slewing limiter to restrict slewing of crane is functional.	Yes	No	
28	Overload Limiter to prevent overloading of crane is functional.	Yes	No	
29	Load Moment Limiter to prevent over-turning moment is functional.	Yes	No	
30	Anti-collision devices are tested to stop the crane's operation such that the crane-to-crane interference must be maintained at not less than 3 metres.	Yes	No	
31	Wind anemometer is installed and is in good working condition.	Yes	No	
32	Adequate aircraft warning lights and/or chequered white and	Yes	No	

	red flags are provided.			
33	Controller in good condition	Yes	No	
34	Break Unit in good condition	Yes	No	
E. Maintenance				
35	Data logger for recording key operating parameters of the crane is functional.	Yes	No	
36	Crane has a regular maintenance programme that is in accordance with manufacturer's specifications.	Yes	No	
37	Maintenance work on the Crane is carried out by Competent Persons.	Yes	No	

