

INDIA PORTS GLOBAL PVT. LTD.
TECHNICAL QUERRIES AND CLARIFICATIONS FOR MHC TENDER.

Tender for "Design, Manufacture, Supply, Installation, Testing, Commissioning and Guaranteeing the performance of (04) four Nos. 100 Ton Capacity and (2) Two Nos of 140 Ton Capacity New Mobile Harbour Cranes (MHCs), at Shahid Beheshti Port, Chabahar, Islamic Republic of Iran".:

Clarifications/amendments to the pre-bid queries of the meeting held on 1st December 2016.

SPECIFICATION

MHC 140 TONS

S.NO.	PAGE/ TENDER CLAUSE	DESCRIPTION OF CLAUSE	BIDDER'S QUERY	REPLY TO THE BIDDER
1	4/5.0	Aux.system/ Lighting system	Which kind of Iranian dimension for lighting system	The system should meet any applicable international standard.
2	4/5.0	Aux.system/ tyre size	3 different tyre sizes not applicable. Only one tyre size	Acceptable.
3	6/14.0	Principal Duty	140t at 12m radius; not at 22 m	Tender technical specification shall be followed.
4	6/15.0	Power pack	Diesel hydraulic; electric motor to operate as a dual power system	Diesel Electric or Diesel hydraulic system is acceptable. Crane shall have provision to operate on shore electric supply (20kv), for which trailing cable of length sufficient for the crane to travel 100m on either side from mid-position, alongwith cable reel drum to be provided.
5	6-7/ 16.0	Group classification	Given own classification/ data	Please refer Annex.1 attached.
			MHC 100 TONS	
6		Aux.system/ Lighting system	SAME AS 1 ABOVE	The system should meet any applicable international standard.
7		Aux.system/ tyre size	SAME AS 2 ABOVE	Acceptable.
8	6/14.0	Principal Duty	100T at minimum radius; instead will offer 120t at min.radius.	Tender technical specification shall be followed.

S.NO.	PAGE/ TENDER CLAUSE	DESCRIPTION OF CLAUSE	BIDDER'S QUERY	REPLY TO THE BIDDER
9		Power pack	SAME AS 4 ABOVE	Diesel Electric or Diesel hydraulic system is acceptable. Crane shall have provision to operate on shore electric supply (20kv), for which trailing cable of length sufficient for the crane to travel 100m on either side from mid-position, alongwith cable reel drum to be provided.
10		Group Classification	SAME AS 5 ABOVE	Please refer Annex.1 attached.
11	21	sub-vendor list	Proposed vendor list as per mfrs standard design - to guarantee performance. Given his own sub--vendor list.	Make and country remains unchanged. Please refer page 12 of Vol.II of bidding documents. Acceptance of alternate brands, if any, will be confirmed by IPGPL prior to the end of technical evaluation.

OTHER OBSERVATIONS/ COMMENTS

12	page-7,8,17-19	Crane performance parameters - Crane capacity (Table)	Various capacities given for 140t and 100 t cranes	The values given in Crane Capacity Table on page 7 & 17 are indicative only. The capacity parameters for Hoisting, slewing, luffing and travelling as per the proven design model offered by the manufacturers are acceptable, as long as they are within the range of general industry norms for such capacity cranes.
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Technical Deviation (MHC's)				
13	Vol 2 – section 4.8	Humidity	Bidder guarantee a maximum relative humidity for design of 97 %.	Not acceptable. Tender condition holds good

S.NO.	PAGE/ TENDER CLAUSE	DESCRIPTION OF CLAUSE	BIDDER'S QUERY	REPLY TO THE BIDDER
14	Vol 2, - 15.0	Engine	<p>The crane shall have a provision of diesel hydraulic instead of diesel electric. Our cranes are designed as per diesel hydraulic. It also states there has to be shore supply power arrangement.</p> <p>Further as per clause 18.0 page no.9 it states that "Prime mover is diesel engine". And as per clause 15.0 page no.6 it is contradicting. Further is port having shore supply connection so that crane can operate with electric drive? If yes please let us know KV power connection.</p>	Diesel Electric or Diesel hydraulic system is acceptable. Crane shall have provision to operate on shore electric supply (20kv), for which trailing cable of length sufficient for the crane to travel 100m on either side from mid-position, alongwith cable reel drum to be provided.
15	Vol 2 - classific ation	Crane classification 100 t crane	Instead of 140t crane classification, reference should be made to 124t crane classification (as it is a 100 t crane).	Please refer Annex.1
16	Vol 2 - classific ation	Crane classification 100 t and 140 t crane	Four rope operation A8 up to 52 t.	Please refer Annex.1
17	Vol 2 - classific ation	Crane classification 140 t crane	Hoist: heavy lift operation M5 @ 140 t Hoist: four rope operation M7 @ 75 t Slewing Gear: all operation mode M6	Please refer Annex.1

ANNEX.1

MHC 100T		MHC 140T	
Crane Classification		Crane Classification	
Heavy lift operation 100T on hook	A3	Heavy lift operation 140T on hook	A3
General Cargo 65T to 77T on hook	A6	General Cargo upto 70T on hook	A6
Four rope operation, 50T	A8	Four rope operation, 50T	A8
Hoist		Hoist	
Heavy lift operation, 100T on hook	M5	Heavy lift operation, 140T on hook	M5
General cargo 60T on hook	M7	General cargo 90T on hook	M7
Four rope operation, 50T	M7	Four rope operation, 75T	M7
Slewing Gear		Slewing Gear	
All operation modes	M6	All operation modes	M6
Luffing gear		Luffing gear	
All operation modes	M6	All operation modes	M6
Travelling gear	M4	Travelling gear	M4