

**Clarification-1 for 15 T LL Crane
Tender No: MMP/LLC/15T/01 dt. 24.11.08
Volume – I**

Sr. No	Clause	Bidder's Query	MDL/HNBV's Reply
1	24.3(d)	Since there is a considerable difference between the lending interest rates in India & other overseas developed countries, the loading methodology as indicated in the clause in our opinion will not provide a level playing ground to all Tenderers. We would like to discuss this issue in the Pre-Tender meeting.	Tender Condition stands. The exchange rate prevailing on the date of Price Bid opening shall be used for evaluating the bids.
2	Para 9.1(h)	We would like to draw your attention to the fact that the electrical & electronics items generally gets obsolete within a span of 10 years maximum. Therefore we would request you to impose the clause for 20 yrs availability with exception to electrical & electronics items.	Tender Condition stands
3	Cl no-13	Tender Security	Tender condition stands. Further add "Tender Security is exempted in respect of: i) State & Central Govt. of India Departments & Public Sector Undertakings. ii) Tenderer(s) registered with Employer or NSIC for items & services and value upto, which they are registered with NSIC or Employer. To qualify for exemption, the Tenderer shall submit the valid copy and Registration Certificate with NSIC / Employer along with the list of items / services and value for which are requested."

Volume – II

Sr. No	Clause	Bidder's Query	MDL/HNBV's Reply
1	Pg. 1	We tried to download the General Conditions of Contract from the website mentioned the tender. However we find that to download the documents an amount of Euro 30 needs to be paid (this is in addition to the Tender fees of Rs. 1000 as per clause no 1.9 of Vol-I of the tender documents. We would request you to kindly arrange for this document without any charge and we agree to pay the Tender fee of Rs. 1000 during the submission of the tender. In absence of the General Conditions of Contract we find it difficult to interpret the amendments which are hoisted on your website in Vol-II of the tender documents. Therefore we are not in a position to seek any clarifications on the general conditions of contract.	Arrangement to be made by bidder

Sr. No	Clause	Bidder's Query	MDL/HNBV's Reply
Volume – III : Employers Requirements			
1	9.1	Since we do not foresee an elaborate site setup for erection of this proposed crane, we therefore would request MDL to arrange for the adequate Sanitary provisions required by our representatives, sub-contractors and representatives from our foreign technical collaborator.	No labor camp is allowed in the MDL premises & no separate sanitary provisions will be made available to the contractor.
2	16.1 (a)	Our site activities shall be limited to mostly erection commissioning of the crane, hence the scale of site operation will be limited only. Therefore we would request you to delete "inclusive of associated civil works for erecting crane part....."	Any civil work, if required shall be the responsibility of contractor to carry out the same at their cost.Tender condition stands.
3	19.1	We shall not be in a position to furnish any structural drawings as these are proprietary in nature.	Minimum drawings listed as per tender document must be submitted by the bidder.
4	26.(b)	We feel that the maximum allowable wheel load is on the higher side. Kindly check and confirm.	Tender Condition stands
5	28.1 (c)	Main Hook:Minimum Radius seem to be very less.	Minimum radius of 12 to 13 mtrs for main hook is acceptable.
		Minimum radius : 14meter-main hook minimum radius: 17 meter –auxiliary hook	Agreed
6	28.1(d)	Since this is a new jetty we would request you to look into the possibility for providing the rail center as 6.5 m for better stability of the machine.	Tender Condition stands
7	28.2(a)	We are not very clear about the requirement a creep speed function providing only 5% of maximum rated speed while delivering 100% rated torque. We would like to discuss the details of this system.	Tender Condition stands
8	28.2(e)	As per BS 2452 the recommended peripheral speed shall be within 225m/min. we have cross checked with various speed range mentioned under clause no. 28 that at any circumstance the peripheral speed is not exceeding 225m/min. Therefore we could not understand the intent of the clause please clarify.	Tender Condition stands
9	28.2(f)	The desired LT speed is very high form the stability point of view of the machine.Bidder recommends a Portal long travel speed of 20m/min	Tender Condition stands
		Bidder recommends Portal long travel 30m/min	
10	29.2	As mentioned in cl. no. 29.1 the supply voltage is 415V which is the operating voltage of the jib crane. We do not envisage any requirement of transformer for the operating voltage. However we will provide transformer for distribution voltage (i.e. 220V).	All the supplied transformers shall be suitable for high humidity prevalent at site as per tender condition.
11	30.2	We would request you to also accept relevant IS Standards (e.g. IS 4594 &/or IS 807) as standards and guidelines for crane design.	Agreed
12	34.6	Kindly clarify the role of independent agency.	
		Appointment by whom?	Bidder to quote for independent agencies as per schedule I price bid.
		Scope of involvement.	Scope of inspection of work as per tender condition.
13	39.5	We could not understand your requirement.We would like to discuss the details of this system in the Pre-Tender meeting.	As specified in the tender.
14	40.3	We do not envisage any requirement of temperature indicator of bearings as the same is not provided for any standard Level luffing crane.	Agreed
		Recommendation to cancel	

Sr. No	Clause	Bidder's Query	MDL/HNBV's Reply
15	41.3 & 49.4	In clause no.41.3 two layers of roper are permitted. Whereas in Cl. no.49.4 only single layer of ropes is permitted. Kindly clarify	Only Single Layer is acceptable
16	41.5	We have envisaged installation of brakes at motor end & also at the extended input shaft of the Gear Box.	Tender Condition stands
17	43.3	We have not come across such requirement earlier.	To be provided without inspection cover
18	44.1	Please confirm the requirement of rams horn type hook for 15 Ton main hoist capacity. Since this type of hook is generally provided for cranes of capacity 50 Tons and above.	Tender Condition stands
19	45.1	Here we would like to point out that long travel and hoisting operations cannot be performed at same time.We would request your clarification.	The crane shall be capable of all operations(long travel,slewing,luffing and hoisting) at a time with no load. However for safe and smother operations the crane shall be capable of 2/3 operations at a time.
		We hope to confirm it. We suggest: main hoist+auxiliary hoist : main hoist+slewing (slow speed) +long travel (slow speed) : luffing+slow (slow speed) +long travel (slow speed) ; long travel (normal speed) +slewing (normal speed)	
20	46.3	Since the tender specifications are referring to various requirements like Dynamic, Regenerative, Counter current braking. We would like to understand the requirement of electrical braking (Drive Wise) to avoid confusion.	The supplier to ensure smooth stepless braking using any of the opation.
	47.5 ,		
	49.1,		
	49.3		
21	46.4	We would recommend using Electro Hydraulic Thruster brake in place of Electro magnetic brakes. As the action of electro magnetic brakes is instantaneous this imparts sudden jerk to the whole crane structure which is not advisable.	DC Brakes to be provided with delayed off action to avoid jerks.
22	46.5	Please confirm the need of space heater & humidistat for all brakes which may result in maintenance hazards.	Supplier to ensure trouble free operation.
		As we know, there are no humidistat installed in the brakes. Is this acceptable to the Purchaser?	
23	47.1	We request you to also allow rack and pinion type luffing arrangement over and above Hydraulic/ Screw/ Multi Sheave Rope Arrangement.	Tender Condition stands
24	47.3	Upto 20T level Luffing cranes one number Luff drive system is generally provided. We would request you to review your requirement.	Tender Condition stands
25	47.7	We couldn't understand your requirement of ultimate travel switch. In our opinion it will function as a limit switch only as actuation of this contact will stop the motor power supply.	Tender Condition stands
26	48.2	We would recommend using Electro Hydraulic Thruster brake in place of Electro magnetic brakes. As sudden application of electro magnetic brakes during slew operation will imparts jerk on the slew mechanism which is not desired.	Agreed
27	48.5	Please confirm the requirement of a fluid coupling when jerk less VVVF control is provided.	Tender Condition stands

Sr. No	Clause	Bidder's Query	MDL/HNBV's Reply
28	51.2	Are isolating switches required on all motion drives & auxiliary circuits?	Tender Condition stands
		Can this switch be provided in the Machinery house?	
29	39.4	Recommendation to cancel	Agreed
30	73.1	Staircases shall not exceed 50 degrees from the horizontal	Agreed
31	27.3	we would request you to confirm that " Fabrication of crane structure in India" will not be a pre-condition for the bidders.	It is not a pre-condition.

Volume-III- ELECTRICAL

1	16.1 d) Vol.III	Can we just supply a connection box(no isolation switch) at the turnover pit for the power supply cable connection?	Tender condition stands
2	51.1,Vol.III	Normally the cables from the turnover pit to the Switchroom(Sub-station) including proper step down transformer, switchgear etc. will be provided and installed by Purchaser since these material/equipments shall be part of the Civil work.	Tender condition stands
3	53.3, Vol.III	The motor exposed to the weather shall be IP55 protection. IP65 motor is difficult to get.	Tender condition stands
4	60.1 d) ,Vol.III	Normally the harmonic filtering is incorporated in the drive system. No separate harmonic filters equipment to be provided. Is this acceptable to the Purchaser?	Agreed
5	63.8 d) Vol.III	It seems the illumination of the emergency lights is very high. The required illumination for the working area under normal condition is only 50lux. Please check and confirm.	Tender condition stands