

परियोजना
इंजीनियरिंग
प्रबंधन

Project Engineering
Management

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
(भारत सरकार का उपक्रम)
Bharat Heavy Electricals Limited
(A Govt. of India Undertaking)



Corrigendum-II

Ref: PE/PG/RTC/E-5453/2016 dtd 24/01/17 (Due Date: 27/02/17; 02:00 PM) Dtd: 22/02/2017

SUBJECT: Rate Contract of Electric Hoist for One year–Pre-Bid Clarifications

To,

This is in reference to our Tender Enquiry no. **PE/PG/RTC/E-5453/2016 dtd 24/01/2017** for the subject package. In this connection, please note the following **pre-bid clarifications (in enclosed annexure) in technical specification for the tender.**

All other terms remains unaltered.

Thanking you.
Yours faithfully,
For and on behalf of BHEL

(N C SHARMA)
Sr. Engineer/ MM

[Signature]
22/02/17



कृपया प्रेषित करें :	Please reply to :	फ़ोन Phone No:
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TECHNICAL SPECIFICATION FOR
RATE CONTRACT OF
ELECTRIC WIRE ROPE HOISTS

SPECIFICATION No: PE-TS-RC-563-A002

VOLUME: III

SECTION-III

SUB-SECTION-IIIE

REV 00

DATE 18.02.17

SUB SECTION-IIIE

PRE BID CLARIFICATIONS- 1



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PRE-BID CLARIFICATIONS-1

S. no	Section/Clause/Page No.	Statement of the referred clause	Clarification Required	BHEL's clarification
1	Section I-Sub section IC /Technical Data Sheet Clause No 14.	Type DC EM (disc/shoe type-fail to safe-project specific)	With Reference to the above, as per 1 you have asked for DC EM Disc / DC EM Shoe Brake. Please note that the price difference in DC EM Disc and DC EM Shoe Brake is very significant. Therefore common price for the same is not possible. Kindly advice according.	DCEM disc type brakes to be considered.
2	VOLUME:II B, SECTION I, SUB SECTION –IC, CLAUSE NO. 18.1	Shrouded Bus Bar (Copper/Galvanized Steel / Stainless Steel / Galvanized Iron) Conductor Type / EPR flexible trailing cable. (To be informed on project to project basis.)	Should we quote prices for Shrouded Galvanized Iron conductor which is suitable for capacity upto 15 Ton as per your requirements, hence Copper, Galvanized Steel, Stainless Steel Not applicable (Also this arrangement can be used only for Hoist mounted Panel). Please confirm. Further please note, the Flexible trailing cable cost will be different for Hoist Mounted and Wall Mounted Panel. So please for which type of trailing cable cost will be consider during price bid submission. Please confirm.	Refer Price format – Annexure B, sl no 2.1 to 2.4 wherein unit prices of all types of shrouded DSL is required to be quoted separately. Prices for trailing cable shall be quoted for hoist mounted panel type of electric hoists.
3	VOLUME:II B, SECTION I, SUB SECTION –IC, CLAUSE NO. 19.1	Sq. Cage Induction, TEFC, S4 Duty, 40%, 60% CDF	Please confirm specification 40% or 60 % CDF	Specific requirement for 40% CDF or 60% CDF shall be informed to bidder on project to project basis. Bidder has to quote accordingly.
4	, VOLUME:II B, SECTION I, SUB	Number of Start 150/300 starts/hr (Project Specific)	Please confirm specification 150 or 300 starts /hr.	Specific requirement for 150 starts/hr or 300 starts/hr shall be informed to



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	SECTION –IC, CLAUSE NO. 19.2			bidder on project to project basis. Bidder has to quote accordingly.
5	SECTION I, SUB SECTION –IC, CLAUSE NO. 21	CONTROL PANEL (Hoist mounted / wall mounted) project specific.	This should be Hoist Mounted type, because in case of wall mounted panel the number of Cable have been increase and accordingly the cost of TRAILING CABLE also increase (i.e for Hoist mounted panel the single trailing cable will used. But in case of wall mounted panel hoist the number of trailing cable have been increased). In case of Wall mounted panel the Shrouded Bus bar not being in used. Hence, prices should be standard for hoist Mounted panel. Please confirm	Control panel shall be hoist mounted.
6	SECTION-I, SUB SECTION –IC, CLAUSE NO. 27.00	Control for Motions (27.1 speed Control: Through VVVF with minimum 6 pulse design)	Quoted basic Prices are hoist are included of VVVF Drive or not. Please confirm	Refer Price Format – Annexure I , sl no 1.1.1 to 1.2.3. The price to be quoted are for hoist only i.e without VVVF drives. Refer Price format – Annexure B, sl no 4.1 to 4.16- The price to be quoted here are for VVVF drives.
7	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format. Cl. No. 23	Spare Item -MCB's	Refer Spares item no. 41- Control fuses, in that case MCB's not used.	Prices have been asked to meet the different terminology used by different customer/suppliers. Bidder has to quote separately for all the items mentioned in mandatory spares list.
8	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 24:	Spare Item -MCCBs	Refer Spares item no. 49- Switch Fuse Unit, in that case MCCB's not used.	Unit price for each items indicated in mandatory spares list has to be quoted by the bidder. Specific requirement shall be given on project to project basis.
9	Essential Spares – Non Hazardous Area	Spare Item -Current Collector Shoe.	Refer spares item no. 37 – Double Roller current collectors and Item No. 38- Collector Roller. Please	Item no 27- Shoes or its equivalent for the current collector being offered has to



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	(Annexure II) of Price Bid Format Cl. No. 27:		clarify.	be quoted. Item no 37 is complete current collector assembly whereas item no 38 is only rollers of the current collector has to be quoted.
10	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 28	Socket of Each Type	Applicable in case of panel mounted on Wall (Not on Hoist Structure). Please confirm what is required.	Bidder shall quote as per specification requirement.
11	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 34:	Spares item – Fuses each type	Already asked to quote under sr. no. 25	Prices have been asked to meet the different terminology used by different customer/suppliers. Bidder has to quote separately for all the items mentioned in mandatory spares' list.
12	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 37	Spares item – Double roller current collector.	Already quoted Collector Shoe under Sr. No. 27 (requirement not clear). Please confirm.	Refer reply at sl no 9 above.
13	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 38:	Spares Item: Collector roller	Requirement not clear, please clarify.	Refer reply at sl no 9 above.
14	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No.	Spares Item: Timers of each type.	Not applicable, being sq. cage motors being used.	Noted. Timer shall not be applicable. The same may be indicated as 'Not applicable' by the bidder in price format.



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15	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 41:	Item spares – Control Fuses	Refer cl. No. 23.	Prices have been asked to meet the different terminology used by different customer/suppliers. Bidder has to quote separately for all the items mentioned in mandatory spares' list.
16	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 43 :	Item Spares: Auxiliary contactor	Not applicable.	Bidder shall quote as per specification requirement.
17	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 44 :	Item Spares -Electric Meter.	Applicable in case of panel mounted on Wall (Not on hoist structure)	Bidder shall quote as per specification requirement.
18	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 45 :	Power supply Module	We have considered Power card for VFD Drive	Bidder shall ensure the completeness of the item being quoted against specified item as per specification.
19	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 47 (ii)	Item Spares – Heaters	Not applicable	Noted. Heaters shall not be applicable. The same may be indicated as 'Not applicable' by the bidder in price format.
20	Essential Spares – Non Hazardous Area	Item Spares - Stator winding coils for all the of LT Motors	Such Spares not available in the market.	Bidder shall quote as per specification requirement.



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	(Annexure II) of Price Bid Format Cl. No. 47 (vii):			
21	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 48:	Item Spares: Diode Bridge	We have considered Brake Rectifier	Bidder shall ensure the completeness of the item being quoted against specified item as per specification.
22	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 49:	Switch Fuse Units.	MCCBS not used, refer reply under cl. No.24	Unit price for each items indicated in mandatory spares list has to be quoted by the bidder. Specific requirement shall be given on project to project basis.
23	Essential Spares – Non Hazardous Area (Annexure II) of Price Bid Format Cl. No. 50:	Lubrication Oil Pump Motor	Only this Grease nipple will be provided.	Refer S. no. 6 of 'notes' in Annexure II (list of mandatory spares)
24	SECTION-I, SUB SECTION –IC, CLAUSE NO. 27.1	Speed control – Thru VVVF drive	No VVVF drive will be used for hazardous area ..	Specification requirement to be followed.