

परियोजना इंजीनियरिंग  
प्रबंधन  
Project Engineering  
Management

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



PROJECT: - 2x660 MW ENNORE SEZ STPP  
PACKAGE:-SINGLE GIRDER EOT/HOT MISC. CRANES  
ENQUIRY NO.: E-5637/2017 Dtd. 01.06.2017

Date: 04/07/2017

Ref: 1. BHEL Tender Enquiry No.:E-5637/2017 Dtd. 01.06.2017  
2. Corrigenda no. 01 dated 27.06.2017

CORRIGENDUM-02

Due Date : 12/07/2017 (02:00 PM)

**Subject: Technical Pre Bid Clarification**

1. Technical Pre Bid clarifications are attached herewith. All bidders to note the same and quote accordingly

All other terms and conditions shall remain unchanged.

Regards

*Sachin Gupta*  
04.07.17  
SACHIN GUPTA  
Sr. Engineer  
PG-II-2

|                          |                         |                   |
|--------------------------|-------------------------|-------------------|
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Corrigendum - 02

|                                                                                                 |                                                                                                      |                                             |                      |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------|
|                | <b>TECHNICAL SPECIFICATION FOR</b><br><b>2X660 MW SEZ ENNORE STPP</b><br><b>SINGLE GIRDER CRANES</b> | <b>SPECIFICATION No: PE-TS-412-524-A001</b> |                      |
|                                                                                                 |                                                                                                      | <b>SECTION-III</b>                          |                      |
|                                                                                                 |                                                                                                      | <b>SUB-SECTION-IIID</b>                     |                      |
|                                                                                                 |                                                                                                      | <b>REV 00</b>                               | <b>DATE 04.07.17</b> |
| <p style="text-align: center;"><b>SUB SECTION-IIID</b><br/><b>PRE BID CLARIFICATIONS- 1</b></p> |                                                                                                      |                                             |                      |

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TECHNICAL SPECIFICATION FOR  
2X660 MW SEZ ENNORE STPP  
SINGLE GIRDER CRANES

SPECIFICATION No: PE-TS-412-524-A001

SECTION-III

SUB-SECTION-IIID

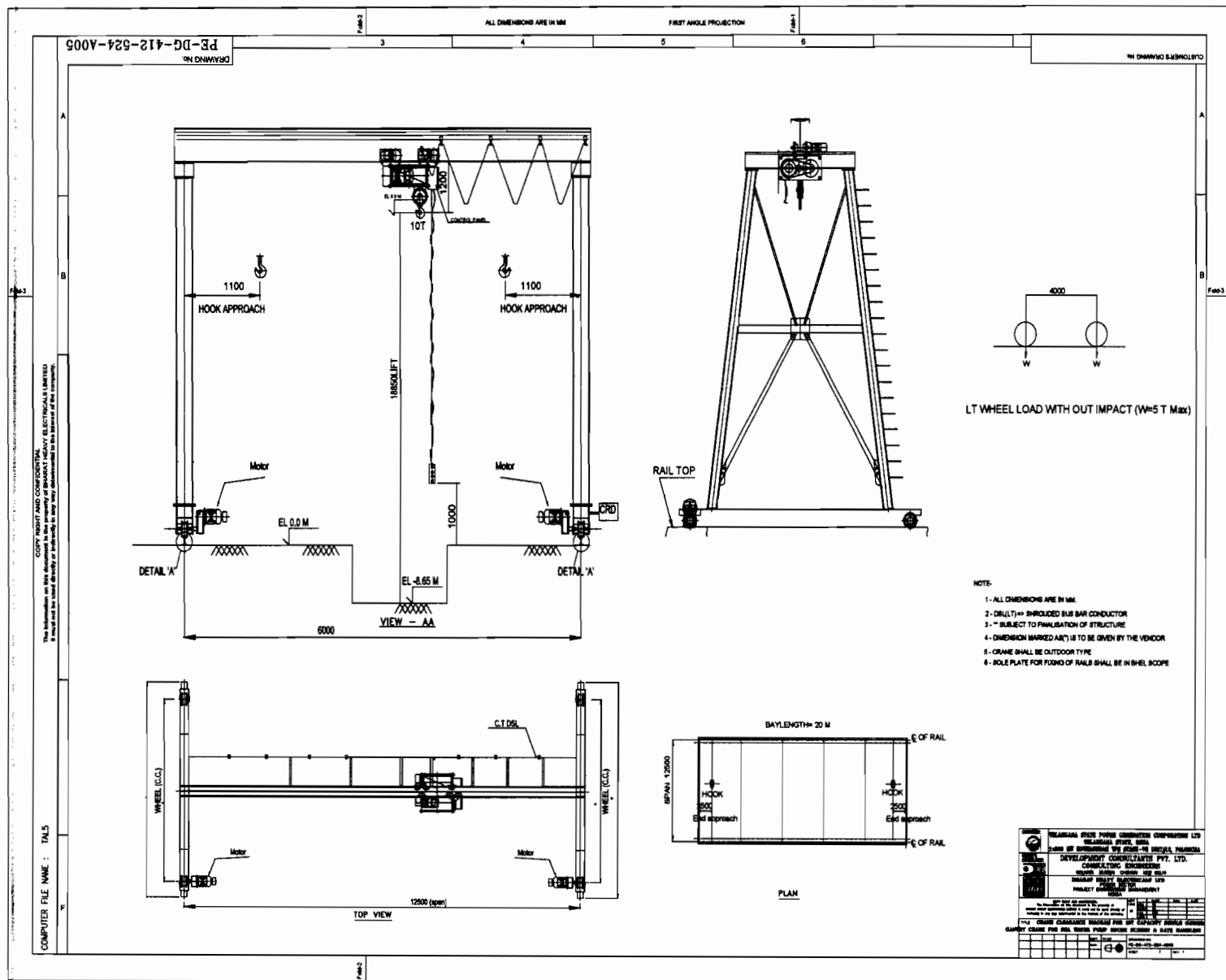
REV 00

DATE 04.07.17

**PRE-BID CLARIFICATIONS-1**

| Sl. No.                          | Section/Clause/Page No.                          | Statement of the referred clause      | Clarification Required                                                                                                                                                                                                                                                                                                                                                                                                                         | BHEL's clarification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |            |                     |                           |           |                                       |                     |          |                                       |                                  |          |                                       |
|----------------------------------|--------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------|---------------------|---------------------------|-----------|---------------------------------------|---------------------|----------|---------------------------------------|----------------------------------|----------|---------------------------------------|
| 1.                               | SECTION I-SUB<br>SECTION IC / CLAUSE<br>NO 2.2.0 | Crane speed with full load            | <p>We have seen and quoted in all your tenders with main CT speed as 10 M/min. OR 15 M/min. and whereas you are indicating in this tender main CT speed as 1.5 M/Min and it appears to us that there is some error.</p> <p>We have seen and quoted in all your tenders with main LT speed as 20 M/min. OR 25M/min. and whereas you are indicating in this tender main LT speed as 1.5 M/Min and it appears to us that there is some error.</p> | <p>Operating speeds with full load (M/min) mentioned at clause no-10 of Datasheet for EOT crane for other areas, Page-27 of 148 of Technical specification shall be followed:</p> <p>a. Hoist: 1.5<br/>b. Trolley travel: 15<br/>c. Longitudinal bridge travel: 30</p> <p>Accordingly, in Section I-Sub Section IC / Clause No 2.2.0, shall be read as follows:</p> <table><tr><th>Crane speed with full load</th><th>Main speed</th><th>Creep speed (M/Min)</th></tr><tr><td>a)Main Hoist (Full speed)</td><td>1.5 M/Min</td><td>10% of main speed (thru' VVVF drives)</td></tr><tr><td>b)Cross travel (CT)</td><td>15 M/Min</td><td>10% of main speed (thru' VVVF drives)</td></tr><tr><td>c)Longitudinal bridge travel(LT)</td><td>30 M/Min</td><td>10% of main speed (thru' VVVF drives)</td></tr></table> | Crane speed with full load | Main speed | Creep speed (M/Min) | a)Main Hoist (Full speed) | 1.5 M/Min | 10% of main speed (thru' VVVF drives) | b)Cross travel (CT) | 15 M/Min | 10% of main speed (thru' VVVF drives) | c)Longitudinal bridge travel(LT) | 30 M/Min | 10% of main speed (thru' VVVF drives) |
| Crane speed with full load       | Main speed                                       | Creep speed (M/Min)                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                            |            |                     |                           |           |                                       |                     |          |                                       |                                  |          |                                       |
| a)Main Hoist (Full speed)        | 1.5 M/Min                                        | 10% of main speed (thru' VVVF drives) |                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                            |            |                     |                           |           |                                       |                     |          |                                       |                                  |          |                                       |
| b)Cross travel (CT)              | 15 M/Min                                         | 10% of main speed (thru' VVVF drives) |                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                            |            |                     |                           |           |                                       |                     |          |                                       |                                  |          |                                       |
| c)Longitudinal bridge travel(LT) | 30 M/Min                                         | 10% of main speed (thru' VVVF drives) |                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                            |            |                     |                           |           |                                       |                     |          |                                       |                                  |          |                                       |
| 2.                               | --                                               | --                                    | In Item No. 5, 10 T Gantry Crane, the specification sheet given the Span and Travel Length as 12.5 Mtrs and 20.0 Mtrs. respectively, whereas, in the Drawing enclosed, the Span is shown as 5.0 Mtrs and Travel Length as 13.0 Mtrs.                                                                                                                                                                                                           | For Span and Travel Length for 10T Gantry crane SI no-5, Annexure-A, SCOPE OF SINGLE GIRDER CRANES, Section-IA, Page-5 of 148 of Technical specification shall be followed. Revised Drawing of Gantry crane is attached along with pre-bid clarification-1 in this reference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                            |            |                     |                           |           |                                       |                     |          |                                       |                                  |          |                                       |

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