

#### **ADDENDUM-4**

**DATE: 08-05-2019**

**CHP/LHP/GHP Package for 1X660 MW Panki Thermal Power Station**

**Tender Ref : 77/19/6003/ANA**

1. Pre-bid Queries & BHEL clarifications have been uploaded.
2. Any further addendum such issued carry part of the bidding documents and this will be available at the website from where the original documents have been received / downloaded by the bidder. Hence bidders are requested to visit the website <https://bhel.abcprocure.com> on regular basis.

**For Further Queries if any, Contact:**

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**ENQUIRY NO. : 77/19/6003/ANA dtd. 17.04.2019**  
**CHP/LHP/GHP PACKAGE FOR 1X660 MW PANKI THERMAL POWER STATION**

| Sr. no | SECTION                                                                                                  | Page                            | Clause                                       | Description As per NIT                                                                                                                            | Bidder Query                                                                                                                                                                                                                                                                                                                                         | BHEL Reply dtd. 08.05.19                                                                               |
|--------|----------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 1      | Annexure-4 Amendment and Clarification.part0 1... to part 19                                             |                                 |                                              |                                                                                                                                                   | We have observed that from part-01 to part-09, many folders and the files within it are same and for other part 010 to part19 there are some folders without any files and some folders having same files.<br>We request you kindly clarify the same, and furnish us the final amendments & clarifications from part-01 to part-19 to be considered. | Please copy all zip files in one folder. After that unzip one file then it will be visible.            |
| 2      | Annexure-5 , 9962-001-IS-155-PVM-Z-005-03.<br><br>Annexure-3 CHP NIT Part-II part2, VOL-III (Mechanical) | Pg 16 of 62<br><br>Pg 35 of 116 | Cl. No 4.01.00<br><br>Chpt 19 Cl.no 15.2     | Conveyor Belt.<br><br>Data sheet Belt Conveyor.<br>Minimum. Rating – 1600/4                                                                       | As per the Annexure-5 (9962-001-IS-155-PVM-Z-005-03) document, the specification is silent on the Belt Rating, whereas NIT Vol-III (Mechanical) specification, Minimum Belt Rating specified is NN 1600/4.<br>Please confirm which clause to follow.                                                                                                 | Belt Rating shall be as per final approval of UPRVUNL/Its consultant.                                  |
| 3      | Annexure-5 , 9962-001-IS-155-PVM-Z-005-03.<br><br>Annexure-3 CHP NIT Part-II part2, VOL-III (Mechanical) | Pg 17 of 62<br><br>Pg 35 of 116 | Cl. No 4.01.00<br><br>Chpt 19 Cl no. 15.2:-  | Conveyor Belt. :- Min Cov. Thickness (mm )<br><br>Data sheet Belt Conveyor.<br><br>Top Cover & Bottom Cover for Uncrushed shall be 8 mm and 3 mm. | As per the Annexure-5 (9962-001-IS-155-PVM-Z-005-03) specification, the Top cover and the Bottom Cover is given as 5 mm and 3 mm.<br>As per Vol-III (Mechanical), Top Cover & Bottom Cover for Uncrushed shall be 8 mm and 3 mm.<br>Please clarify the bottom cover and top cover to be considered.                                                  | Top cover & bottom cover shall be:<br>1) 8mm & 3mm for uncrushed coal<br>2) 5mm & 3mm for crushed coal |
| 4      | Annexure-5 , 9962-001-IS-155-PVM-Z-005-03.<br><br>Annexure-3 CHP NIT Part-II part2, VOL-III (Mechanical) | Pg 17 of 62<br><br>Pg 36 of 116 | Cl. No 4.02.00<br><br>Chpt 19 Cl. No. 16.9:- | Pulley<br><br>MOC of Hub of Pulleys: - Forged Steel.                                                                                              | The specification is silent on the Pulley hub material.<br><br>As per the NIT – vol-III (Mech), the MOC of pulley Hub is given as Forged Steel.<br><br>Please confirm the MOC to be used.                                                                                                                                                            | MOC shall be as per NIT Vol-III only.                                                                  |

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| Sr. no | SECTION                                                                                                              | Page                                  | Clause                                                                | Description As per NIT          | Bidder Query                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BHEL Reply dtd. 08.05.19                                                                            |
|--------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 5      | Annexure-5 ,<br>9962-001-IS-155-PVM-Z-005-03.<br><br>Annexure-3 CHP<br>NIT Part-II part2,<br>VOL-III<br>(Mechanical) | Pg 17<br>of 62<br><br>Pg 36<br>of 116 | Cl. No<br>4.05.00<br><br>Chpt 19<br>Cl. No.<br>17.4,<br>18.4,<br>20.4 | Idlers.<br><br>Size of Bearing. | The Vol. III (Mech) clause no 17.4, 18.4 and 20.4 specifies the minimum idler bearing , the Annexure-5 (9962-001-IS-155-PVM-Z-005-03) specification does not specify the minimum bearing dia nor the life of the bearing to be considered.<br>We request you to kindly clarify the same.                                                                                                                                                                                                                 | Minimum Bearing life shall be 30,000 Hrs.                                                           |
| 6      | Annexure-5 ,<br>9962-001-IS-155-PVM-Z-005-03                                                                         |                                       |                                                                       |                                 | We request you to kindly inform if there is any minimum pulley dia to be considered for Drive and /non Drive Pulleys. Also if there is any standardization clause like only 5 Types of pulleys are permitted with 2 type of Drive Pulleys and non-drive 3 types.<br><br>Is there any Belting standardization clause like only 3 type of Belts to be considered for the whole plant etc.<br><br>We request you to kindly clarify the above standardization for the Pulleys, Belting, and any other items. | There is no standardisation clause for pulley & Belts. However types should as minimum as possible. |
| 7      | General.                                                                                                             |                                       |                                                                       |                                 | As there is lot of contradictory documents due to which it is not clear which final documents to be considered for the Tender,<br>We request you to kindly furnish us the Final Specification to be considered for the CHP, LHP and GHP system.                                                                                                                                                                                                                                                          | Specification is clear.<br>Please raise specific clause which is not understood by bidder.          |
| 8      | General.                                                                                                             |                                       |                                                                       |                                 | Kindly provide us all drawings in AutoCAD format and documents to be filled in editable format                                                                                                                                                                                                                                                                                                                                                                                                           | Autocad drawing shall be provided after LOI.                                                        |
| 9      | General.                                                                                                             |                                       |                                                                       |                                 | We understand NO CIVIL WORK and NO SUPER STRUCTURAL WORK is part of this package scope and we are working on proposal accordingly. Kindly confirm the same.                                                                                                                                                                                                                                                                                                                                              | As per tender specification and scope matrix.                                                       |

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|--------|----------|------|--------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 10     | General. |      |        |                        | We are technically and financially qualified for the subject tender and intend to submit our Techno commercial bid. From this letter we express our interest to participate in this bidding process. As per Tender requirement the selected equipment shall be procured from Approved Vendors List.                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Vendor list is subject to UPRVUNL approval during detail engineering.                                                             |
| 11     | General. |      |        |                        | <p>In addition to our above request, the Document Title "Design Memorandum for CHP/ LHP/ GHP" following DBR documents are referred in this documents and those documents are not found in the Tender documents,</p> <p>1) DBR-IS-4-DC-713-110-M050 - Mechanical Ventilation System with supply &amp; exhaust fans and Mechanical dry Pressurization System<br/> 2) DBR-IS-4-DC-713-110-M051 - Air-condition System (Split Type)<br/> 3) DBR-IS-4-DC-713-110-M052 - Service water system, Potable water Tank, Service air,<br/> 4) DBR-IS-4-DC-713-110-M053 - Plain Water Dust Suppression System &amp; Dry Fog type DS System<br/> 5) DBR-IS-4-DC-713-110-M054 - Bunker dust extraction system,</p> <p>Request to provide the above documents at the earliest.</p> | This will be furnished by bidder during detail engineering for approval.                                                          |
| 12     |          |      |        |                        | DCPL Specifications (Annexure-3, CHP NIT Part-II, Mechanical volume specifies conveyor capacity as 2,000 TPH while Annexure-5 flow sheet shows 1,500 TPH capacity. Kindly clarify which capacity is to be considered.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Conveyor capacity shall be as per Annexure-4 amendment and Clarification/ Amendment-2 and it shall be 1500/1650TPH (Rated/Design) |

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|--------|---------|------|--------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 13     |         |      |        |                        | Annexure-4 – This document has been uploaded number of time and we are unable to open it properly. Kindly clarify this or upload the total RFQ again for better understanding. | Please copy all zip files in one folder. After that unzip one file then it will be visible. |
| 14     |         |      |        |                        | In the drawing submission list, M/s. BHEL ISG have asked for 3D PDMS drawings which normally is not provided by us. In view of this we propose to eliminate this requirement   | Please follow tender specification                                                          |