

CPC Tender No. BHEL/CPC/TLB/SY/25/038 for the work of “Development of storage yard with internal roads and drains, supply of precast concrete sleepers, Fencing and Gate for storage yard and BHEL Office area, Construction of watch towers, Construction of Parking shed , Construction of storage water sump, civil Foundation works of High mast lamps, Weighbridge etc., construction of mess building , supply and erection of portable toilet blocks and security cabin, Construction of Electrical room for Construction power supply and any other related civil works within the plant boundary at 3 x 800 MW NLC Talabira Thermal Power Project”.

A) Some of the Bidders sought clarifications in regard to the published tender specification. The clarifications issued by BHEL are as below;

| Sl. No. | Bidder's Query | BHEL's Clarification | | | | | |
|---------|--|---|---------------|---|-------------------------------------|---------------------------|---------------------------------|
| 1 | Can you please support to the below mentioned details: 1.Technical details and drawings of parking shed. 2 Technical details and drawings of storage water sump. 3.Details and drawings of civil foundation of high mast post and weigh bridge. | <u>1. Specifications of buildings / structure:</u> | | | | | |
| | | S.NO. | AREA OF WORK | Type of structure | Indicative layout drawing by BHEL | Scope of Detailed drawing | |
| | | | | | | BHEL | Bidder |
| | | 1. | Mess building | RCC framed structure with brick cladding of size 27m x 8m x 3.2m. Roofing to be provided with steel truss and Zinc aluminium coated roof sheeting. | YES (enclosed as Annexure A) | NO | YES (in consultation with BHEL) |
| | | 2. | Watch Tower | Steel framed structure suitable for carrying live load of 4 persons. Roofing to be provided with steel truss and Zinc aluminium coated roof sheeting. (Tentative 4 Nos in yard + 1 no in office area) | YES | NO | YES (in consultation with BHEL) |

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|---------|---|--|-------------------------|--|--|-----|---------------------------------|
| | 4. Technical details and drawings of Mess building. | 3. | Parking shed | Steel framed structure with steel truss and Zinc aluminium coated roof sheeting for 16 cars. | YES (shall be decided at site during work execution) | NO | YES (in consultation with BHEL) |
| | 5. Technical details and drawings of Electrical room. | 4. | Electrical room | RCC framed structure with brick cladding and RCC roof. | YES (shall be provided during work execution) | NO | YES (in consultation with BHEL) |
| | | 5. | Water Sump | 3 compartment Brick walled water sump with RCC base of size 29.5m x 11.3 m | YES (enclosed as Annexure A) | NO | YES (in consultation with BHEL) |
| | | 6. | High mast foundation | RCC (Tentative 3 nos) | Detailed drawing shall be provided by BHEL during work execution | YES | NO |
| | | 7. | Weigh bridge foundation | RCC | Detailed drawing shall be provided by BHEL during work execution | YES | NO |
| | | Above structures to be designed as per the provisions of relevant IS code and design and drawing should be submitted for approval of BHEL. | | | | | |
| | | <u>2. Specification for Pre-fab PUF panel toilet block:</u> | | | | | |
| | | Main Structure | | The main structural members shall be made out of MS Square & Rectangular Pipe welded between the top and base frames. | | | |
| | | Roof & outer wall | | The insulated wall cladding shall be done with sandwich type panel made with 0.4 mm thick pre-coated plain sheet at outer side and inner side of PUF. Total thickness of panel shall be 30mm for roof and 50mm for wall. PU must be cfc free self-extinguishing fire-retardant type having density of 40kg/cum(+/-2kgs). The panels shall be joined together by tongue and groove method and placed in vertical direction. Colour shall be off white or as approved by BHEL engineer-in-charge. Toilet block shall be provided with suitable | | | |

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| Sl. No. | Bidder's Query | BHEL's Clarification | |
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| | | | hooks for shifting purpose. Adequate shade covers to be provided with metal steel sheet for Washbasin. |
| | | Door | Door shall be external opening type made out of the PUF panels with Suitable locking arrangements (both inside and outside). |
| | | Flooring | Flooring shall be made from 18mm Cement Board, top with vinyl on bottom frame |
| | | Plumbing | All the necessary internal Plumbing works |
| | | Water tank | PVC Water tank of 500 Litres capacity along with steel structure required to hold the tank in position shall be supplied |
| | | Toilet wares | |
| | | For 4'x4'x7' size toilet | EWC with flush tank-1Nos, Washbasin-1Nos with CP pillar cock (outside), health faucet & tap-1 Nos |
| | | For 4'x8'x7' size toilet with partition | EWC with flush tank-2Nos, Washbasin-1Nos with CP pillar cock(outside), health faucet & tap-2 Nos |
| | | Electrical | Electrical wiring suitable for 250 volt, 50Hz single phase AC power supply shall be provided with necessary internal wiring and switches. ISI mark and concealed in PVC conduits insulated copper wire shall be used for wiring with small size distribution board with MCB protection to separate with main supply. |
| | | For 4'x4'x7' size toilet | 18W LED tube light -1Nos, Exhaust Fan of 300 mm sweep -1Nos, bulkhead fitting with lamp for outside of door -1Nos |
| | | For 4'x8'x7' size toilet with partition | 18W LED tube light -2Nos, Exhaust Fan of 300 mm sweep -2Nos, bulkhead fitting with lamp for outside of door -1Nos |
| | | Material supplies shall be purchased form any leading manufacturer and shall conform to IS standards and as accepted by engineer-in-charge. | |
| <u>3. Specification for Pre-fab PUF panel Security cabin:</u> | | | |
| Main Structure | The main structural members shall be made out of MS Square & Rectangular Pipe welded between the top and base frames. | | |

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| Sl. No. | Bidder's Query | BHEL's Clarification | |
|---------|----------------|--|---|
| | | Roof & outer wall | The insulated wall cladding shall be done with sandwich type panel made with 0.4 mm thick pre-coated plain sheet at outer side and inner side of PUF. Total thickness of panel shall be 30mm for roof and 50mm for wall. PU must be cfc free self-extinguishing fire-retardant type having density of 40kg/cum(+/-2kgs). The panels shall be joined together by tongue and groove method and placed in vertical direction. Colour shall be light grey or as approved by BHEL engineer in-charge. Security cabin shall be provided with suitable hooks for shifting purpose. |
| | | Door | Door shall be external opening type made out of the PUF panels with Suitable locking arrangements (both inside and outside). |
| | | Windows | 3'x3' Aluminium powder coated window -2Nos, sliding type shall be provided, made of aluminium section with clear vision glass fitted to it. |
| | | Flooring | Flooring shall be made from 18mm Cement Board, top with vinyl on bottom frame. |
| | | Electrical | Electrical wiring suitable for 250 volt, 50Hz single phase AC power supply shall be provided with necessary internal wiring and switches. ISI mark and concealed in PVC conduits insulated copper wire shall be used for wiring with small size distribution board with MCB protection to separate with main supply. 18W LED tube light -2Nos, 1no bulkhead fitting with lamp for outside of door, Ceiling fan -1Nos |
| | | Material supplies shall be purchased from any leading manufacturer and shall conform to IS standards and as approved by engineer-in-charge. | |

Note:

- 1) All other terms and conditions against this NIT shall remain unchanged.**
- 2) This corrigendum is to be submitted duly signed and stamped along with the Techno-commercial bid (Part- I).**

**for BHARAT HEAVY ELECTRICALS LTD
Manager/ SCT- CPC**

ANNEXURE – A
Drawings for Mess Building and Water Sump

