



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited

Transmission Business Group
5th Floor, Advant Navis IT Business Park,
Plot No-7, Sector-142, Expressway Noida,
Noida-201305 (Uttar Pradesh)
email: krishna.singh@bhel.in

AMENDMENT No. -03 to NIT No. 34737 **Dated 13.11.2017**

Ref: Tender Spec No TBSM/MAITREE-BANGLADESH/DC/TENDER Dated 28.09.2017

With reference to above tender for "Civil design consultancy work of GIS building, Control building, GI structures, Foundations and other civil works of 400/230kV switchyard for 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh" following amendments may please be noted.

1. NIT Clarifications:

BHEL clarifications against bidders' queries are attached in annexure-I

2. Corrigendum:

Corrigendum to tender specification no. TB-DC-388-607-003 is attached in annexure-II.

- All other terms & conditions of the tender specifications remain unchanged.
- Please enclose with your Technical Bid a copy of this amendment-03 duly signed by your authorized signatory and stamped.

 13/11/17
Krishna Swaroop Singh
DGM/ TBSM

ANNEXURE-I

CLARIFICATIONS

Project: Civil design consultancy work of GIS building, Control building, GI structures, Foundations and other civil works of 400/230kV switchyard for 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh

Sl. No.	Bidder's Query	BHEL Reply
1	We have reviewed the complete tender document and also the PQR. In this regard, we refer tender document # TB-DC-388-607-003 Rec00, "Clause No. 2.2.3 of Scope & Specific Technical Requirements" which says "..... all designs shall be done based on international codes like British / Euro /BNBC/equivalent international codes as per customer specification." However, in PQR, the options have been narrowed down to Euro codes only.	Refer to clause 2.2.3, it is correct that as per customer Technical Specification, the design shall be based on British / Euro/BNBC/equivalent international codes. However during approval of Design Basis Report, customer has approved only Eurocode. Therefore experience in eurocode as mentioned in PQR is required.
2	Time schedule refers to time line w.r.to input from BHEL. But there is no time line for complete / approved input from BHEL to designer. This leads to following..... 1) We are unable to decide man power required for the project. 2) Design carried out without complete input leads to rework when there is two part input i.e. 1st overall building dimensions are released without cut out and equipment loading. Subsequent to foundation approval, cut out and equipment loadings are received. This leads to reworking which is not payable as per terms of tender. In view of above, BHEL is requested to confirm time line within which all approved inputs shall be furnished. Also Please confirm issuance of complete input for building like, layout and details of indoor cable trench, cut out, equipment loads etc. as applicable.	Overall completion period for the subject work is 18 months. However, clause 6.0.0 "Time Schedule" of 'scope & specific technical requirements' may be refer for individual design document & drawing submission time.
3	We invite your attention to line item 1 and request you to confirm approved input of Cut out, GIS location cut outs and load data along with cable trench layout and details of indoor cable trench. Above input is required for completing building analysis and design for 1st lot of submission (foundation and plinth beam) and cutout and other data is part of detailing for LOT 2 SUBMISSION.	Time Schedule for input by BHEL and submission by agency shall be as per Tender conditions
4	Is there any specific requirement for architectural code/guideline required.	Refer Technical specification
5	Please clarify that preparation of Tender document and specification for execution of job is not part of this scope	Not in bidders scope
6	Please clarify if the building to be designed for any LEED or local green building rating. If yes please specify the body and its guidelines.	Refer Technical specification
7	With reference to point no. 3.3 please specify number of major and minor revisions to be considered for 'No claim'	Refer Technical specification
8	In the scope of work document clause no 6, whether 'submission time days' indicate number of working days (5 working days in a week) or calendar days?	Days indicated Working days
9	Input for civil and architectural design shall be CAT 2 drawings from vendor. For reckoning the time line for submission of design and drawing it shall start from the date of receipt of CAT 2 drawings only- Please confirm	Conceptual layout shall be provided by BHEL. Architectural drawings are to be submitted by Bidder. Timeline for structure design shall start from cat-2/cat-1 approval date of the Architecture drawings.

Sl. No.	Bidder's Query	BHS Reply
10	BOQ mentions single story building for GIS. Please clarify where other auxiliaries like ACDB, DCDB, Battery rooms, GIS control room shall be located?	Shall be decided during detail engineering
11	Please clarify inclusions of switchyard control room building?	Refer BOQ item no. 4
12	Area considered for GIS building (1500 sqmts.) appears less. Please review and revert accordingly.	Refer Technical specification
13	Following items are not mentioned in BOQ, please clarify whether those shall be part of scope? a. High velocity water sprinkler water tanks (UG) b. cable vault for GIS building c. Overhead tanks for fire and service and potable water d. Rainwater harvesting tank e. Fire wall for transformers	Refer technical specification and corrigendum attached with this amendment.
14	Please clarify Engineering scope of Mechanical(crane, HVAC, Lifts), Building Electrification (conducting and lighting), Plumbing, Sanitation, Landscape etc.	Mechanical and Electrification are not in scope.
15	Please clarify if hard copies of design and drawing needs to be submitted, if yes, please indicate the number of hard copies.	Refer corrigendum attached with this amendment.
16	The number of days of visit shall be considered from ex-Bidder's office.	Accepted
17	Please clarify what do you mean by "types" mentioned unit in Annexure 1 table (BOQ document)	Types means number of designs required.
18	Please clarify mode of charging engineering services and changes related to site queries, change of scope of work, addition of scope, change in design etc.	Tender conditions to be followed
19	Can Indian Standard code and National Building Code of India be considered as equivalent to the codes mentioned in 2.2.3	Refer Technical specification

Albert

ANNEXURE-II

CORRIGENDUM TO TENDER SPECIFICATION TB-DC-388-607-003

SUB: Civil Design Consultancy for GIS Switchyard 400/230kV Switchyard at Maitree, Rampal, Bangladesh

Sl. NO.	SECTION / CLAUSE NO.	DESCRIPTION OF CORRIGENDUM
01.	<p>SECTION-1 SCOPE & SPECIFIC TECHNICAL REQUIREMENTS, CLAUSE</p> <p>5.0.0. DOCUMENTATION</p> <p>5.1.0 All design documents including computer outputs shall be neatly typed , produced on A4 size paper and shall have a 'Cover Sheet' (To be provided later).</p> <p>5.2.0 All drawings shall be prepared in AutoCAD as per standard sizes (viz. A0, A1, A2, A3 & A4) and shall have a 'Title Block' (To be provided by BHEL).</p>	<p>5.0.0 DOCUMENTATION</p> <p>5.1.0 All design documents including computer outputs shall be neatly typed , produced on A4 size paper and shall have a 'Cover Sheet' (To be provided later).</p> <p>5.2.0 All drawings shall be prepared in AutoCAD as per standard sizes (viz. A0, A1, A2, A3 & A4) and shall have a 'Title Block' (To be provided by BHEL).</p> <p>5.3.0 <i>The vendor should submit the design document and drawing in soft copies by email/pen drive at each stage of approval. After final approval the vendor is required to submit all document/drawings in CDs/Pen Drive in 01 set.</i></p>
02.	<p>ANNEXURE-I BOQ CUM PRICE SCHEDULE</p> <p>item no. 2 (v) Details of transformer/reactor foundation with soak pit</p>	<p>Item description should be read as</p> <p>2(v) Transformer/reactor foundation with soak pit <i>and firewall</i></p>
03.	<p>ANNEXURE-I BOQ CUM PRICE SCHEDULE</p> <p>item no. 3 (ix) Details of transformer/reactor foundation with soak pit</p>	<p>Item description should be read as</p> <p>3(ix) Details of transformer/reactor foundation with soak pit <i>and firewall</i></p>

Sube