

Corrigendum 1 dated Aug 31, 2015 to Tender Specification BHEL PSSR SCT 1594

A) The following clauses are revised as mentioned below:

| Sl.No | Published in | Existing | | Revised as | | | |
|-------|--|--|---|---|-------------|---|---|
| 1 | Techno commercial bid Volume – I Book - I Notice Inviting Tender Clause no 1.0 (iv) to Clause no 1.0 (vi) | 1.0 (iv) | Issue of Tender Documents | 1. <u>Sale from BHEL PSSR Regional office at :Chennai</u> Closes: Sep 01, 2015 Time :15.00 Hrs | 1.0 (iv) | Issue of Tender Documents | 1. <u>Sale from BHEL PSSR Regional office at :Chennai</u> Closes: Sep 11, 2015, Time :15.00 Hrs |
| | | 1.0 (v) | Due date & time of offer submission | Date : Sep 02, 2015, Time :15.00Hrs | 1.0 (v) | Due date & time of offer submission | Date : Sep 14, 2015, Time :15.00Hrs |
| | | 1.0 (vi) | Opening of tender | Date : Sep 02, 2015 Time :15.30Hrs | 1.0 (vi) | Opening of tender | Date : Sep 14, 2015, Time :15.30Hrs |
| 2 | Technical Conditions of Contract (TCC) Volume IA, Part-I, Chapter – X GENERAL Clause No. 1.10.1.1.1 | BHEL shall recover an amount of 1% (one percent) from every RA Bill of the contractor towards BOCW Cess Act 1996 and shall be remitted to the Authority by BHEL by way adjustment of BOCW Cess recovery by customer. | | BHEL shall recover an amount of 1% (one percent) from every RA Bill of the contractor towards BOCW Cess Act 1996 and shall be remitted to the Authority by BHEL by way adjustment of BOCW Cess recovery by customer. Amount will not be recovered from the contractor only on production of a certificate of no deduction from labour authorities. | | | |

B) Some of the bidders had raised queries in the published tender specification. The Clarifications issued by BHEL are furnished below:

| No | Reference clause | Existing provision | Bidder's query | BHEL's clarification |
|----|---|--|---|--|
| 1) | Annexure 1 to Notice Inviting Tender PRE QUALIFYING CRITERIA (B)Technical | <p>B.1 The bidder should have executed Erection and commissioning of atleast one Boiler and its Auxiliaries of a unit rating of 190 MW or higher in a Power plant in the last seven years reckoned from the date of bid opening.</p> <p>Note: The term Executed means "completion of Boiler light up".</p> <p>AND</p> <p>B.2 The bidder should have executed erection and commissioning of STG / GTG & Auxiliaries of minimum one</p> | <p>It is opined that the qualification criteria of execution of 190 MW boiler is stringent since the capacity of boiler (150 TPH) to be erected is much less. Requested that PQR criteria may be relaxed.</p> <p>Also requested that in addition, the execution of power cycle piping in thermal power plant may also be considered as PQR for the benefit of those bidders who do not have boiler experience since the IBR experience gained during executing the power cycle piping matches the required IBR experience for a boiler.</p> | Will revert back in future corrigendum |

| No | Reference clause | Existing provision | Bidder's query | BHEL's clarification |
|----|------------------|--|---|----------------------|
| | | <p>unit of 20MW or above capacity in a Power Plant in the last seven years reckoned from the date of bid opening.</p> <p>Note: The term executed means "the unit synchronization"</p> <p>Note: Bidders not satisfying the clause B.2 above can have consortium partner for the area of work mentioned in clause B.2 as mentioned below:..... </p> | <p>The bidder who has executed erection and commissioning of STG & Auxiliaries of capacity say 600 MW or higher in a Power Plant in the last seven years may be allowed to bid as a prime bidder.</p> <p>and</p> <p>The requirement of having executed erection and commissioning of Boiler & Auxiliaries of 190 MW may please be reduced to capacity of 150 TPH Utility Boiler and be allowed as consortium partner</p> <p>We want to have clarification on the above "Qualification criteria" for a Boiler of 1x150 TPH, for Boiler NIT, it is practice even today, the bidder should have experienced in less than 150 TPH Boiler to Qualify technically, but where as in NIT it is specified 190 MW Boiler and Auxiliaries which is equivalent to 450 to 550 TPH, which is even more than the NIT specified (HRSG 100 TPH + Boiler 150 TPH =250 TPH).</p> | |

| No | Reference clause | Existing provision | Bidder's query | BHEL's clarification |
|----|---|--|--|---|
| 2) | TCC Volume IA, Part-I, Chapter – II SCOPE OF WORKS Clause No. 1.2.2.4 | Fire Barricade protection is to be done for the purpose of fire safety in the erection area (temporary but with steel structures and GI sheets covering for the fire protection for the existing unit under operation) as required / insisted by CPCL. | <p>a) Is barricade protection needs to be given with continuous water shower arrangement</p> <p>b) Height of barricade to be provided</p> <p>c) If permanent fire-fighting personnel needs to be deployed</p> <p>d) For pipe racks, if fire barricade would have to be provided for the entire length of pipe rack</p> <p>e) Is required to provide water shower on the fire barricade.</p> <p>f) Please confirm whether fire tender with the required fire fighting men will provided by BHEL/CPCL at free of cost for smooth work progress on all days at site</p> | <p>a) During execution, if customer insists as per CPCL refinery practices, water shower needs to be provided</p> <p>b) As per standards followed in CPCL refinery</p> <p>c) During execution, if customer insists as per CPCL refinery practices, fire-fighting personnel needs to be deployed</p> <p>d) Not required</p> <p>e) Firefighting hoses shall be arranged by the bidder and fire water shall be tapped from nearby available tapping point.</p> <p>f) No fire tender will be provided by BHEL / CPCL.</p> |

| No | Reference clause | Existing provision | Bidder's query | BHEL's clarification |
|----|---|--|--|---|
| 3) | TCC Volume IA, Part-I, Chapter – II SCOPE OF WORKS Clause No. 1.2.2.11 | MATERIAL HANDLING WORKS: Receipt, Unloading & Material Handling from Trucks / Trailers / Transport carriers / wagons..... covered under the scope. Storage yard shall be in various locations at a distance of maximum 6 km within / outside plant boundary | Please provide the exact location of storage yard to study the road condition | Since most of the earmarked areas would be within refinery premises, the same are well connected by plant roads. In other cases, bidder shall make his arrangements. |
| 4) | TCC Volume IA, Part-I, Chapter – II SCOPE OF WORKS Clause No. 1.2.2.15.2 | Scope of BOP: Piping: Naphtha System – Naphtha forwarding pump will be located near Naphtha tank. The approximate distance from forwarding pump to GT is approximate 1.5 km. | We have considered the scope of BOP piping to the existing plant by flange connection only. Also the connecting pipe and work area should be free from Hydro carbon. | Agreed. |
| | | HSD System- HSD forwarding pump will be located near HSD tank. The approximate distance from Forwarding pump to GT is approximate 1.5 km. | Is hot tapping of fuel line is covered in the scope | Hot tapping not applicable |

| No | Reference clause | Existing provision | Bidder's query | BHEL's clarification |
|----|--|---|--|---|
| 5) | TCC Volume IA, Part-I Chapter - III FACILITIES IN THE SCOPE OF BIDDER / BHEL Clause 1.3.11.3 | Supply of anchor fasteners (wherever applicable) and installation of these anchor fasteners is in the scope of the contractor. | Please clarify the quantity and specification of anchor bolts | Quantity shall be ascertained after receipt of drawings. HILTI or equivalent make is to be provided for anchor bolts. |
| 6) | TCC VOLUME-IA PART-I Chapter-IX BILL OF QUANTITY clause 1.9.1.1. | Clearance and taking delivery from transport or godown situated within 30kms radius from site based on LWB / PWB and arrange for transportation to site, unloading, stacking and handing over to BHEL stores, with your own cranes and other T&Ps | Please provide the description of materials with dimensions (CXBXH) & weight of each material. Also we request to provide the approximate location of godown | This is only a contingency arrangement and the unit rate shall be operated if necessary. Max. weight of each consignment shall not be more than 2 MT. |

| No | Reference clause | Existing provision | Bidder's query | BHEL's clarification |
|----|---|--|---|---|
| 7) | VOLUME-IA PART-I Chapter –XII MATERIAL HANDLING, STORAGE AND OTHER RESPONSIBILITIES AT BHEL STORES Clause no. 1.12.16 | Unloading of all materials including ODC and heavy consignments, either by the contractor's crane or by rigging method, at the location decided by BHEL engineer and wooden sleepers. | We propose that heavy equipments like boiler drum, Generator Stator will unloaded near to boiler & TG bay. Scope of contractor is limited to dragging to position and lift by using suitable cranes | The proposal shall be implemented to the maximum extent possible depending on availability of space near the erection area. However, due to space constraint if materials are unloaded elsewhere, bidder shall make all arrangements for transportation and unloading / erection. |
| 8) | TCC VOLUME-IA PART-I Chapter – XIII CIVIL WORKS, GROUTING AND FOUNDATIONS Clause no 1.13.11 | All the materials required for grouting including special cements like of grouting cements. | Please confirm the tentative requirement of grouting cement | Quantity shall be ascertained after receipt of drawings only. Bidder may assess based on earlier experience as the equipment list is already provided. |

| No | Reference clause | Existing provision | Bidder's query | BHEL's clarification |
|-----|--|---|---|--|
| 9) | TCC VOLUME-IA PART-I Chapter - XV ERECTION Clause No. 1.15.2.48.2 | BHEL shall arrange to unload boiler drum in a convenient location inside refinery premises. Transportation of the same to erection site for erection shall be within the scope of work of the contractor. | IF boiler drum would be unloaded close to erection bay. Bidder quoted that in case drum is unloaded far from the erection bay, trailers would have engaged additionally for transporting the drum | Drum shall be unloaded near erection bay to the maximum extent possible. However, in case of space constraint, drum might be unloaded elsewhere (within the distance as given in tender) and the same needs to be transported to erection bay by the bidder. |
| 10) | TCC VOLUME-IA PART-I Chapter - XV ERECTION Clause No. 1.15.3.9 | Steel Chimney shell will be issued in several pieces and the contractor has to carry out the fit up / assembly / alignment, welding, NDT, insulation etc., as per erection drawing. The approximate details of the chimney Chimney insulation shall be carried out as per erection drawing by materials will be provided by BHEL. | Kindly confirm the refractory scope of works in stack | There is no refractory envisaged for steel chimney. External mineral wool, cladding and supports to be erected. |

| No | Reference clause | Existing provision | Bidder's query | BHEL's clarification |
|-----|---|---|---|---|
| 11) | TCC VOLUME-IA PART-II Chapter - 4 CONTRACTORS SAFETY GUIDE LINES ISSUED BY CHENNAI PETROLEUM CORPORATION LIMITED, CHENNAI Clause 8.2 | Hot Work Permit (For Hot works, Radiography & Vessel Entry) 8.2.1 Hot work permit issued by the concerned department or is required for: a) Any work involving open flames, spark such as Crane lifting / Vessel entry. b) Sand blasting, Trucks, Jeeps, Cranes, Lifts, engines or tools. c) Entry of vehicles inside battery and loading gantries, etc. | We request BHEL should ensure the continuous availability of the work permit and hot permit in the work place for the smooth progress of work | It is the bidder's responsibility to apply, renew and validate all permits with CPCL for smooth progress. However, BHEL shall co-ordinate the same. |

Bidders are requested to consider this corrigendum as part of tender specification and quote accordingly.

All other conditions of the tender specification remain unchanged.

-Sd-
Manager / Subcontracts