

To

ALL BIDDERS

Sub: Corrigendum -01 for Issue of Clarifications and Time Extension

JOB: RECEIPT/COLLECTION, UNLOADING, HANDLING, STACKING, VERIFICATION OF ENTIRE PROJECT MATERIALS INCLUDING ELECTRICAL, CONTROL & INSTRUMENTATION EQUIPMENTS / ITEMS AND OTHER MATERIALS IN BHEL/CUSTOMER'S STORES/STORAGE YARD AS RECEIVED BY ROAD FROM MANUFACTURING UNITS/ TRANSPORTERS GODOWN UNDER MATERIALS MANAGEMENT, RECEIPT / COLLECTION / LOADING / UNLOADING/ TRANSPORTATION OF MATERIALS FROM BHEL / CLIENT'S STORES / STORAGE YARDS TO SITE OF WORK, ERECTION, TESTING, COMMISSIONING, APPLICATION OF THERMAL INSULATION, FINAL PAINTING AND HANDING OVER OF **1X125 TPH HEAT RECOVERY STEAM GENERATOR** WITH AUXILIARIES, STACK/ STEEL CHIMNEY WITH ASSOCIATED AUX, **1X30 MW(Fr6B) GAS TURBINE-GENERATOR SET** WITH THEIR AUXILIARIES, BALANCE OF PLANT EQUIPMENTS / SYSTEMS WITH RELATED AUXILIARIES, INTEGRAL PIPING, FIELD / EXTERNAL / PIPING ETC. FOR 1X30 MW GTG + 1X125 TPH HRSG, BASED CO-GEN, **IOCL (IRUP), GUJARAT REFINERY, IOCL VADODARA PROJECT (GT#6**

Tender Specification Number : BHE/PW/PUR/VIOCI-MECH/1103

Bidders to kindly take note of the following:

AA) Clarification to the Queries of Bidder

Sl No.	Reference Clause	Bidder's query	BHEL's clarification
1	Clause 2.1.2 – 16 of Vol IA 'TCC'	As per Sr. No.16, BHEL Owned Cranes are among the MAJOR PACKAGES TO BE HANDLED: Kindly clarify whether assembling of BHEL Owned Cranes / Hire Cranes are included in the scope of work. If yes 1. What would be the Tonnage (Weight) of this Crane. 2. In which method the payment would be made.	Yes, unloading and assistance in assembly of BHEL Owned Cranes is the part of contract. No separate payment will be made for assistance in assembling the BHEL Owned Cranes. For unloading the BHEL owned crane, Payment will be made as per serial number A of MM section of Vol II Price Bid. Tentative Tonnage of BHEL owned Crane is included in item number - A of MM section of Vol II Price Bid Specification and under PSWR head in clause number - 2.1.4 "Unit wise tentative weight details"of Vol IA 'TCC'.
2	Clause 2.1.4 of Vol IA 'TCC' And Vol II 'Price Bid	Total Weight for Material Handling indicated in Vol IA 'TCC is 3676MT – (minus) 530MT = 3146 MT Total weight for Material Handling as per the Price Bid is 3886 MT Kindly clarify the exact weight covered under Material Management?	Weight Details indicated in Vol IA 'TCC' is of BHEL Units (including their BOIs and BOP) & PSWR supplied items. Units & PSWR supplied items will be Approx 3676 MT out of which around 530 MT Material already unloaded at site. However other works of MM activities like - Stacking, verification etc. as mentioned in clause number 2.1.4 (A) of Vol IA 'TCC' shall be carried out by contractor under this contract. Approx 3676 MT Material shall be directly supplied to Site and for 210 MT please refer Item B, D & E of Vol II Price Bid.
3	Chapter : VII (Clause 7.3 of Vol IA 'TCC')	The Sum Total of GTG Package Terms of Payment as given in Vol I A 'TCC' 105%, Kindly	Revised "TERMS OF PAYMENT FOR GTG PACKAGE" is as follows (Revised terms of Payment for GT, GTG and Auxl is

SI No.	Reference Clause	Bidder's query	BHEL's clarification
	'Terms of Payment for GT, GTG and Auxl	revise the terms of payment..	enclosed as Annexure I to Corrigendum 01)- 1. Gas Turbine , Ducting Auxiliaries and Integral Piping = 46% 2. Gas Turbine Generator and Auxiliaries = 16% 3. BOP and other related equipments = 20% 4. Final Painting = 3% 5. Commissioning = 15%
4	Chapter : VII (Clause 7.1 of Vol IA 'TCC') 'Terms of Payment for MM Package' SI No 1	As Per SI No 1 Unloading from Trucks / Trailers = 100% (Applicable for Item No A, B & C of Rate Schedule) Kindly indicate the Terms of Payment for Item No A.1 & C.1 of Section : A (Material Handling) of Vol II 'Price Bid'.	Terms of Payment of Item No A & C of Vol II 'Price Bid' are also applicable for Item No A.1 & C.1. Only serial number 1.1 of Clause 7.1 of Terms of Payment in Vol IA 'TCC" meant for unloading part is not applicable for A.1 and C.1. Item rate for item No A.1 and C.1 are 70 % of Item Rates of A and C respectively and this 70 % of Item A and C shall be paid as per the percentage distributed in SI No 1 of Clause 7.1 of Terms of Payment in Vol IA (Except 30 % payment indicated in SI No 1.1)
5	Chapter : VII (Clause 7.1 of Vol IA 'TCC') 'Terms of Payment for MM Package' SI No 3.4	Clarify what are the activities involved in "COMPLETION OF CONTRACTUAL OBLIGATIONS" Indicated in SI Nos 1.6, 2.3 and 3.4 of Clause 7.1 Terms of payment of Material Handling.	For activities of "COMPLETION OF CONTRACTUAL OBLIGATIONS" please refer SI No - 4 "OTHERS" of Clause 7.1 Terms of payment of Material Handling in Vol IA 'TCC'

BB) Volume I C ' General Conditions of Contract'

Clause No 2.26, 2.27 and 2.28 at Page 30 of Volume I B 'General conditions of Contract' has been inadvertently missed out in the tender documents issued. Same is hereby issued as Annexure II to Corrigendum 01.

CC) EXTENSION of LAST DATE:

The last date for submission of Tender has been re scheduled to 14/02/2013, 15.00 hrs.

Technical Bid shall be opened on 14/02/2013 at 16.00 hrs

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All other Terms and conditions of the Tender Specification shall remain unaltered unless expressly amended by BHEL in writing.

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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Ref: BHE/PW/PUR/VIOCI-MECH/1103/Corrigendum 01

Date 08/02/2013

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Bidders are requested to submit as a part of Technical Bid, a copy of this corrigendum duly countersigned by the authorized signatory and stamped with the Official seal as a token of Bidder's unqualified acceptance of this corrigendum.

This letter is hosted as file titled "Corrigendum-01 (Clarification-1103)" against NIT-13532 in BHEL web page (www.bhel.com→Tender Notifications → View Corrigendum).

Thanking you,

Yours faithfully,

AGM (Purchase)

Encl:

1. Annexure I: revised terms of Payment for GT, GTG and Auxl.
2. Annexure II: Clause 2.26, 2.27 and 2.28 of Vol IC 'GCC'

**ANNEXURE I TO CORIGENDUM 01 DATED 08/02/2013
TO T.S.NO BHE/PW/PUR/VIOCI-MECH/1103
REVISED TERMS OF PAYMENT FOR GT, GTG & AUXL (CLAUSE 7.3 OF CHAPTER VII OF VOL IA 'TCC')**

7.3 TERMS OF PAYMENT FOR ERECTION, TESTING AND COMMISSIONING OF GT, GTG & AUXILIARIES PACKAGE		
SN	Activity / Milestone	Payment Percentage
1	GAS TURBINE, DUCTING, AUXILIARIES AND INTEGRAL PIPING (48 %)	
1	Preparation and chipping of Fdn., leveling and centering of Gas Turbine	2.00%
1	Placement, leveling & centering of Gas Turbine with accessories on foundation	6.00%
1	Erection of load gear box	1.00%
1	Alignment of GT with Load Gear Box	1.00%
2	Grouting of foundation	2.00%
2	Erection of GT off base enclosure	3.00%
2	Erection of lube oil & gas fuel modules/Skids, Air Processing Skid, L.O. centrifuge, lube oil drain pump, water injection skid	3.00%
2	Erection of GT vent Fans with enclosure & exhaust blowers with frame, Lube oil mist eliminator etc.	3.00%
2	Erection of GT CO ₂ fire protection systems	2.00%
1	Erection of Main Filter House with inlet filter, GT air filter system	3.00%
1	Erection of GT inlet ducting with silencers, expansion joints, Supports structure etc.	3.00%
1	Erection of Exhaust ducting with silences, Bypass Stack with Support structure, Aviation lamp & Lightening arrestors etc.	6.00%
1	Erection of dampers/diverter dampers with seal air fans with accessories & Aux.	4.00%
1	Erection of Integral Piping	5.00%
1	Erection of miscellaneous works on GT	2.00%
	SUB TOTAL OF 1.0	46.00%
2	GAS TURBINE GENERATOR & AUX (17%)	
2	Preparation of foundation and levelling of base plates & packers etc.	1.00%
2	Placement of generator on foundation, centering & levelling	6.00%
2	Alignment of Generator with load gear box	1.00%
2	Erection of exciter and alignment	1.00%
3	Grouting of foundation	2.00%
3	Erection of air filter, Air cooler duct with air cooling elements etc.	2.00%
3	Erection of staircase, walkway & enclosure	2.00%
3	Miscellaneous items	1.00%
	Sub total of 2.0	16.00%
3	BALANCE OF PLANT (MECHANICAL) AND OTHER RELATED EQUIPMENTS & AUX. (20%)	
3	Erection of BFPs with auxiliaries	5.00%
3	Erection of Naphtha Filter Skids with aux	1.00%
3	Erection of HSD Filter Skid with Aux. and HSD Centrifuge	1.00%
3	Erection of Hitech Additive Skid and Naphtha Fuel forwarding Skid, Naphtha Calescent Skid with Aux.	2.00%
3	Erection HSD Fuel forwarding Skid and Drain tank	1.50%

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SN	Activity / Milestone	Payment Percentage
4	Erection of Water to Water Heat Exchanger	0.50%
4	Erection of DM water circulating Pumps skids and DM water Pump GT Atomising Cooler	2.00%
4	Erection of Deaerator with Heater, fittings and Platform structure	4.00%
4	Erection of LP Dosing Skids	2.00%
4	Erection of Miscellaneous items	1.00%
	Sub total of 3.0	20.00%
4	FINAL PAINTING (5%)	
4	Progressive final painting of equipments under scope	3.00%
	Sub total of 4.0	3.00%
5	Commissioning 15%	
5	Oil flushing completion of GT system	2.00%
5	Cranking of GT	2.00%
5	Full speed no load sum of GT	1.00%
5	Synchronisation of GT set	2.00%
6	Commissioning of feed water system	2.00%
6	Commissioning of BFPs	2.00%
6	Combined Trial operation of GT in Co-Gen operation	1.00%
6	Completion of all facilities of GT systems	2.00%
6	Completion of of all Facilities and Handing Over / Contractual Obligation	1.00%
	SUB TOTAL OF 5.0	15.00%
	GRAND TOTAL OF 1.0,2.0,3.0,4.0, AND 5.0	100.00%

**ANNEXURE II TO CORRIGENDUM 01 DATED 08/02/2013 ISSUED WITH
T.S.No BHE/PW/PUR/VIOCI-MECH/1103**

General Conditions of Contract (Common for Power Sector Regions)
(Document No. PS:MSX:GCC. Rev 01)

1st June 2012

2.23 REVERSE AUCTION:

BHEL reserves the right to go for Reverse Auction for Price Bid Opening by BHEL appointed service provider, instead of opening the submitted sealed price bid in the conventional way. The Business Rules for Reverse Auction shall be as per BHEL guidelines issued from time to time.

2.24 SUSPENSION OF BUSINESS DEALINGS

BHEL reserves the right to take action against Contractors who either fail to perform or Tenderers/Contractor who indulge in malpractices, by suspending business dealings with them in line with BHEL guidelines issued from time to time.

2.25 OTHER ISSUES

- 2.25.1 Value of Non judicial Stamp Paper for Bank Guarantees and for Contract Agreement shall be not less than Rs 100/- unless otherwise required under relevant statutes.
- 2.25.2 In case of any conflict between the General Conditions of Contract and Special Conditions of Contract, provisions contained in the Special Conditions of Contract shall prevail.
- 2.25.3 Unless otherwise specified in NIT, offers from consortium/JVs shall not be considered.
- 2.25.4 BHEL may not insist for signing of Contract Agreements in respect of low value and short time period contracts like providing services for Hot water flushing, Chemical Cleaning, Transportation, etc