

Ref: BHE/PW/PUR/KRSR-STG/1555/Corrigendum 01

Date : 07/11/2015

To

ALL BIDDERS

Sub: Corrigendum-01: Terms of Payment & Amendment to tender clause

Job : Assistance during RLA, Dismantling of parts of existing Turbine, Generator, Condenser and Auxiliaries & other components, Disposal of the same to scrap yard, Transportation of materials from Customer storage to site of work and carrying out modifications as required, Erection, Testing Commissioning & Overhauling and Application of Insulation/cladding, painting including supply of paints for the work of Energy Efficient Renovation & Modernization & Retrofitting of existing 1x210 MW, Unit-6 TG set and auxiliaries and TG piping at Koradi Thermal Power station of M/s MSPGCL, Distt.- Koradi, Maharashtra

Tender Specification No: BHE/PW/PUR/KRSR-STG/1555

Bidders to kindly take note of the following:

AA) Chapter VII 'Terms of Payment' of Volume IA 'Technical Conditions of Contract'

Chapter VII 'Terms of Payment' applicable for subject tender is issued along with this Corrigendum 01.

BB) Amendment to Tender Clause

Refer 'Note for Weight Schedule' No 3 at Chapter IX 'Weight Details' of Volume IA TCC:

Referred Note has been amended and shall be read as below:

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Any other systems / Components which are integral to TG & auxiliaries, supplied by BHEL manufacturing units are also to be erected and commissioned by the contractor within the quoted / accepted lump sum value. However incase of major addition/deletion in the scope of work during execution, suitable enhancement/reduction in the contract value shall be mutually discussed and settled. BHEL's decision on such matter shall be final and binding on the contractor.

“

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

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 (Terms of Payment)" against NIT-24943 in BHEL web page (www.bhel.com→Tender Notifications → View Corrigendum).

Thanking you,

Yours faithfully,

AGM (Purchase)

Enclosure: Chapter VII 'Terms of Payment' of Volume IA TCC.

VOLUME IA TECHNICAL CONDITIONS OF CONTRACT (TCC)
CHAPTER-VII: TERMS OF PAYMENT
ISSUED ALONG WITH CORRIGENDUM 01 DATED 06/11/2015

7.0 TERMS OF PAYMENT

7.1 Terms of payment:

Progressive Payment against monthly running bills will be made on Pro-rata basis and payments against stage / milestones events shall be as per the following table.

Sl. No.	Description	Payment %
1	RLA (3%)	
1.1	RLA of Piping, valves, condenser etc. (as per scope)	3
	Total of 1.0	3%
2	TURBINE (30%)	
2.1	Dismantling of HP-IP-LP Turbine	2
2.2	Dismantling of TG Valves	1
2.3	Boxing up of HP Turbine	5%
2.3.1	Placement of HP outer & Inner casing on pedestal and leveling/centering w.r.t. pedestal axial /radial direction.	1
2.3.2	Placement of bottom diaphragm/Nozzle box & centering	1
2.3.3	Placement of diaphragm, inner casing, outer casing and transfer elevation and centering	1.
2.3.4	Removal of casings & Diaphragms and placement of Rotor and centering.	1
2.3.5	Trial box up of HP Turbine and confirm radial & axial clearances.	1
2.4	Boxing up of IP Turbine	5%
2.4.1	Placement of IP outer casing on pedestal and leveling/centering w.r.to pedestal axial /radial direction.	1
2.4.2	Placement of bottom diaphragm/Nozzle box & centering	1
2.4.3	Placement of diaphragm, inner casing, outer casing and transfer elevation and centering	1
2.4.4	Removal of casings & Diaphragms and placement of Rotor and centering.	1
2.4.5	Trial box up of IP Turbine and confirm radial & axial clearances.	1
2.5	Boxing up of LP Turbine	5%
2.5.1	Placement of LP liner and centering in axial /radial direction.	1

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Sl. No.	Description	Payment %
2.5.2	Placement of bottom diaphragm & centering & leveling	1
2.5.3	Placement of T/H diaphragm, inner casing, outer casing and transfer elevation and centering.	1
2.5.4	Removal of casings & Diaphragms and placement of Rotor and centering.	1
2.5.5	Trial box up of LP Turbine and confirm radial & axial clearances	1
2.6	Alignment of all Rotors including reaming, honing and fixing of coupling bolts	3
2.7	Installation of ESV, IV, HP & LPBP Valves,	2
2.8	Installation of CRH NRV, MS Strainers (internals), HRH strainers (internals)	2
2.9	Completion of Turbovisory works	3
2.10	Final boxing up of Pedestals after Oil Flushing completion	2
	Total of 2.0	30%
3	TURBO GENERATOR (25%)	
3.1	Dismantling of Generator and Auxiliaries and lowering old stator	4
3.2	Unloading of stator from Trailer, shifting and placing of stator on foundation.	3
3.3	Leveling, centering and alignment of Stator	3
3.4	Testing of Hydrogen Coolers and insertion	2
3.5	Rotor Insertion and lowering on bearings.	2
3.6	Checking the run out, alignment of Generator Rotor, LP Turbine Rotor,	2
3.7	Reaming, Honing of coupling holes and fixing of coupling bolts of LP-Gen	2
3.8	Boxing up of Generator and assembly of Hydrogen Seals	3
3.9	Revisoning of Seal oil and Gas System units / racks / equipments.	2
3.10	Final gas tightness test of Stator with complete system	2
	Total of 3.0	25%
4	CONDENSER (10%)	
4.1	Dismantling tubes	4
4.2	Insertion,	2
4.3	expansion, end milling of condenser tubes	2

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Sl. No.	Description	Payment %
4.4	Hydro test of steam and water side	2
	Total of 4.0	10%
5	PUMPS AND AUXILIARIES (10%)	
5.1	Dismantling of BFP, CEP	1
5.2	Dismantling of Lube oil pumps, oil coolers	1
5.3	Revisoning /replacement of BFP, CEP	1
5.4	Revisoning /replacement of Lube oil pumps, oil coolers	1
5.5	Erection of Vacuum Pumps	1
5.6	Testing -Trial run of Vacuum Pump	0.5
5.6	Installation/Tube bundle Replacement of HP with standpipes and fittings.	1.5
5.7	Installation/Tube bundle Replacement of LP heaters with standpipes and fittings.	1.5
5.8	Servicing completion on Misc. / other Auxiliaries	1.5
	Total of 5.0	10%
6	PIPING (10%)	
6.1	Placement in Position	2
6.2	Alignment	2
6.3	Welding/Bolting/Fixing	2
6.4	Completion of Non Destructive Examination & Stress Relieving/Heat treatment (if not applicable, then this portion to be clubbed with next activity)	1
6.5	Hangers & Supports etc. wherever necessary as per drawing	1
6.6	Hydraulic Test/Pneumatic Test wherever applicable	1
6.7	Painting (including arrow marking, nomenclature, etc.)	1
	Total of 9.0	10%
7	INSULATION AND PAINTING (4%)	
7.1	Insulations of Turbine & Piping	1
7.2	Insulations of Piping	1
7.3	Painting of Turbine & Auxiliaries (including arrow marking, nomenclature etc.)	2
	Total of 7.0	4%
8	MILESTONE AND ASSISTANCE FOR COMMISSIONING (8%)	
8.1	Barring gear	2
8.2	Rolling & Synchronization	2
8.3	Completion of Trial Operation and related works of PG test	1

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Sl. No.	Description	Payment %
8.4	Area cleaning, temporary structures cutting/removal and return of scrap	1
8.5	Punch List points/pending points liquidation	1
8.6	Material Reconciliation & Completion of Contractual Obligation	1
	Total of 8.0	8%
	TOTAL	100 %

Note:

1. In case any requirement is there to compress the schedule of activities to achieve project completion, then the additional expenses if any incurred will be discussed mutually and settled. BHEL decision in this regard is final and the issue is not arbitral.
2. Recovery of Retention amount as per Cl. 2.22 of GCC.
3. RA bill payments as per Chapter-X of SCC
4. Payment for the first running bill will be released only on production of the following.
 - i. PF Regn. No.
 - ii. Labour License No.
 - iii. Workmen Insurance Policy No.
 - iv. Unqualified Acceptance for Detailed L.O.I.
 - v. Initial 50%/100% Security Deposit.
 - vi. Signing of Contract agreement.
5. Payment for piping shall be on pro rata basis on a per MT rate.
6. The per MT rate shall be allocated (the % applicable as per ' terms of payment') value for piping divided by the tendered qty of piping in MT
7. On completion of piping, compensation due to variation of quantities (piping) shall be as per the quantity variation clause 2.14 of general conditions of contract
8. Wherever application of 'Insulation' is part of scope of work, the same shall be covered under respective item/equipment for "Terms of payment" (in case it specifically not covered elsewhere in the terms of payment SI No 7)
9. The terms of Payment is only for enabling release of payments through RABs and is not indicative of the actual quantum or value of work