

Ref: BHE/PW/PUR/MANUT-ELE U#01&U#02/1821 and U#03&U#04/1822/Corrigendum-02

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To

ALL BIDDERS

**Sub: Corrigendum-02:** Provision of Penalty in case of slippage of Intermediate Milestones.

**Job:** HANDLING AT SITE STORES/STORAGE YARD, TRANSPORTATION TO SITE OF WORK, COMPLETE ERECTION, CHECKING OF CALIBRATION, TESTING, ASSISTANCE FOR COMMISSIONING AND HANDING OVER OF HT / LT POWER TRANSFORMERS, ISOLATED PHASE BUS DUCT FOR GENERATOR TRANSFORMER, SEGREGATED PHASE BUS DUCT FOR STATION TRANSFORMER / UNIT AUXILIARY TRANSFORMER, ELECTROSTATIC PRECIPITATOR, GENERATOR CONTROL & PROTECTION PANELS, 6.6KV/0.415 KV SWITCHGEAR BOARDS / MCC, SOOT BLOWER SYSTEM, EXCITATION SYSTEM, 220 VOLT BATTERY SYSTEM, ELECTRICAL HOIST, ITS ASSOCIATED EQUIPMENTS INCLUDING BOP PACKAGE FOR **Unit#01 & Unit#02** AND **ILLUMINATION PACKAGE** FOR 4X270 MW BHADRADRI THERMAL POWER STATION, MANUGURU, DISTT- BHADRADRI KOTHAGUDEM, TELANGANA STATE.

AND

HANDLING AT SITE STORES/STORAGE YARD, TRANSPORTATION TO SITE OF WORK, COMPLETE ERECTION, CHECKING OF CALIBRATION, TESTING, ASSISTANCE FOR COMMISSIONING AND HANDING OVER OF HT / LT POWER TRANSFORMERS, ISOLATED PHASE BUS DUCT FOR GENERATOR TRANSFORMER, SEGREGATED PHASE BUS DUCT FOR STATION TRANSFORMER / UNIT AUXILIARY TRANSFORMER, ELECTROSTATIC PRECIPITATOR, GENERATOR CONTROL & PROTECTION PANELS, 6.6KV/0.415 KV SWITCHGEAR BOARDS / MCC, SOOT BLOWER SYSTEM, EXCITATION SYSTEM, 220 VOLT BATTERY SYSTEM, ELECTRICAL HOIST, ITS ASSOCIATED EQUIPMENTS PACKAGE INCLUDING BOP PACKAGE FOR **Unit#03 & Unit#04** AT 4X270 MW BHADRADRI THERMAL POWER STATION, MANUGURU, DISTT- BHADRADRI KOTHAGUDEM, TELANGANA STATE.

**E-Tender Specification Number:** BHE/PW/PUR/MANUT-ELE Unit-01 and Unit-02 /1821  
BHE/PW/PUR/MANUT-ELE Unit-03 and Unit-04 /1822

Corrigendum Ref	Corrigendum Date	Pertaining to
Corrigendum-01	05/10/2017	Time extension

Bidders to kindly take note of the following:

## **AA) Provision of Penalty due to slippage of Intermediate Milestones**

The clause 2.7.9.1 below is added under the clause no 2.7.9 'LIQUIDATED DAMAGES/PENALTY' of Vol-I-C General Conditions of Contract.

### **2.7.9.1: Provision of Penalty in case of slippage of Intermediate Milestones**

1. Two major Intermediate Milestones are mentioned as M1 & M2 in this corrigendum DD below.
2. In case delay in achieving the Milestone M1, is solely attributable to the contractor, 0.5% per week of executable contact value\*, limited to maximum 2% of executable contact value, will be withheld.

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- In case delay in achieving the Milestone M2, is solely attributable to the contractor, 0.5% per week of executable contact value\*, limited to maximum 3% of executable contact value, will be withheld.
- Amount already withheld, if any against slippage of Milestone M1, shall be released only if there is no delay attributable to contractor in achievement of Milestone M2
- Amount to be withheld on account of slippage of identified intermediate milestone(s) shall be withheld out of respective milestone payment and balance amount (if any) shall be withheld @10% of RA Bill amount from subsequent RA bills.
- Final deduction towards LD (if applicable), on account of delay attributable to contractor shall be based on final delay analysis on completion/closure of contract. Withheld amount, if any due to slippage of identified intermediate milestone(s) shall be adjusted against LD or released as the case may be.
- In case of termination of contract due to any reason attributable to contractor before completion of work, the amount already withheld against slippage of intermediate milestones shall not be released and be converted into recovery.

**\*Executable Contract Value** - Value of work for which inputs/ fronts were made available to contractor and were scheduled for execution till the date of achievement of that milestone

## **BB) Amendment in CHAPTER VI 'TIME SCHEDULE' OF VOLUME IA TCC:**

Clause no '6.1.3' and '6.2.3' of CHAPTER VI 'TIME SCHEDULE' OF VOLUME IA TCC **STANDS DELETED.**

Amended Clause no. '6.1.3' and '6.2.3' of CHAPTER VI 'TIME SCHEDULE' is as below:

### **6.1.3 COMMENCEMENT OF CONTRACT PERIOD AND TENTATIVE SCHEDULE FOR UNIT#01 & Unit#02**

Based on the availability of civil foundations from BHEL and materials from manufacturing units, contractor may have to advance the start of erection after getting clearance from construction manager, or the start of erection may get delayed due to site condition.

The contractor has to subsequently augment his resources in such a manner that following major milestones of erection & commission are achieved on specified schedules:

SN	MAJOR MILESTONE	Anticipated Dates UNIT#01	Anticipated Dates UNIT#02
1	START OF WORK	0 MONTHS	0 MONTHS
2	BOILER LIGHT UP & ALKALI BOIL OUT	8 MONTHS	8.5 MONTHS
3	BARRING GEAR	12 MONTHS	12.5 MONTHS
4	STEAM BLOWING COMPLETION & SAFETY VALVE FLOATING	13 MONTHS	13.5 MONTHS
5	SYNCHRONIZATION	14 MONTHS	14.5 MONTHS
6	COAL FIRING & FULL LOAD	16 MONTHS	16.5 MONTHS

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7	TRIAL OPERATION COMPLETION	18 MONTHS	18.5 MONTHS
8	LIQUIDATION OF PENDING POINTS	21 MONTHS	21.5 MONTHS
9	FACILITY COMPLETION	24 MONTHS	24 MONTHS

Above time schedule is tentative and in order to meet above schedule in general, and any other intermediate targets set, to meet customer/project schedule, contractor shall arrange & augment all necessary resources from time to time as per the instructions of BHEL.

### 6.2.3 COMMENCEMENT OF CONTRACT PERIOD AND TENTATIVE SCHEDULE FOR UNIT#03 & Unit#04

Based on the availability of civil foundations from BHEL and materials from manufacturing units, contractor may have to advance the start of erection after getting clearance from construction manager, or the start of erection may get delayed due to site condition.

The contractor has to subsequently augment his resources in such a manner that following major milestones of erection & commission are achieved on specified schedules:

SN	MAJOR MILESTONE	Anticipated Dates UNIT#3	Anticipated Dates UNIT#4
1	START OF WORK	0 MONTHS	0 MONTHS
2	BOILER LIGHT UP & ALKALI BOIL OUT	8 MONTHS	8.5 MONTHS
3	BARRING GEAR	11 MONTHS	11.5 MONTHS
4	STEAM BLOWING COMPLETION & SAFETY VALVE FLOATING	12 MONTHS	12.5 MONTHS
5	SYNCHRONIZATION	13 MONTHS	13.5 MONTHS
6	COAL FIRING & FULL LOAD	13 MONTHS	13.5 MONTHS
7	TRIAL OPERATION COMPLETION	14 MONTHS	14.5 MONTHS
8	LIQUIDATION OF PENDING POINTS	17 MONTHS	17.5 MONTHS
9	FACILITY COMPLETION	20 MONTHS	20 MONTHS

Above time schedule is tentative and in order to meet above schedule in general, and any other intermediate targets set, to meet customer/project schedule, contractor shall arrange & augment all necessary resources from time to time as per the instructions of BHEL.

**Above Amended Clause no. '6.1.3' and '6.2.3' of CHAPTER VI 'TIME SCHEDULE' shall only form part of contract.**

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## **CC) Amendment in CHAPTER VII 'Terms of Payment' OF VOLUME IA TCC:**

Clause for 'STAGE/MILESTONE PAYMENTS' of CHAPTER VII 'Terms of Payment' OF VOLUME IA TCC (Page no 105 of 120 of Vol-I) **STANDS DELETED.**

Amended Clause for 'STAGE/MILESTONE PAYMENTS' of CHAPTER VII 'Terms of Payment' is as below:

### **II STAGE/MILESTONE PAYMENTS (15%).**

Boiler Light-Up	1%
ABO	0%
Steam Blowing	1%
Safety Valve Floating	0%
Oil Flushing (TG)	0%
Barring Gear (TG)	2%
Synchronization (STG)	3%
Full Load	1%
Trial Operation of Unit	1%
Painting	1%
Area cleaning, temporary structures cutting/removal and return of scrap	1%
Punch List points/pending points liquidation	1%
Submission of 'As Built Drawings'	1%
Material Reconciliation	1%
Completion of Contractual Obligation	1%
<b>Total for Stage/Milestone Payments (15%)</b>	<b>15%</b>

**Above Amended Clause for 'STAGE/MILESTONE PAYMENTS' of CHAPTER VII 'Terms of Payment' shall only form part of contract.**

## **DD) Name of Milestones**

### **Name of Milestones for (UNIT#01 & UNIT#02)**

Sl No	Clause no of this corrigendum-02	Name of Mile Stones	Designated as
1	SN 3 of Clause no 6.1.3 COMMENCEMENT OF CONTRACT PERIOD AND TENTATIVE SCHEDULE FOR UNIT#01 of BB above	BARRING GEAR	M1
2	SN 5 of Clause no 6.1.3 COMMENCEMENT OF CONTRACT PERIOD AND TENTATIVE SCHEDULE FOR UNIT#02 of BB above	SYNCHRONIZATION	M2

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**Name of Milestones for (UNIT#03 & UNIT#04)**

Sl No	Clause no of this corrigendum-02	Name of Mile Stones	Designated as
1	SN 3 of Clause no <b>6.2.3</b> COMMENCEMENT OF CONTRACT PERIOD AND TENTATIVE SCHEDULE FOR <b>UNIT#03</b> of BB above	BARRING GEAR	M1
2	SN 5 of Clause no <b>6.2.3</b> COMMENCEMENT OF CONTRACT PERIOD AND TENTATIVE SCHEDULE FOR <b>UNIT#04</b> of BB above	SYNCHRONIZATION	M2

**EE) ISSUE OF IPBD Drawing**

Please note that IPBD Drawing is attached herewith this corrigendum-02.

**FF) EXTENSION OF LAST DATE OF OFFER SUBMISSION**

The last date for submission of Tender has been re-scheduled to **13/10/2017, 15.00 hrs.**

Technical Bid shall be opened on **13/10/2017 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.

Bidders are requested to submit a copy of this corrigendum duly digitally countersigned by the authorized signatory as a token of Bidder's unqualified acceptance of this corrigendum.

**BIDDERS MAY PLEASE NOTE THAT SUBJECT TENDER IS E-TENDER AND THE COPY OF SIGNED CORRIGENDUM IS TO BE SUBMITTED THROUGH E-PROCUREMENT PORTAL → <https://bheleps.buyjunction.in>**

Thanking you,

Yours faithfully,

P.R.Chiwarkar  
AGM (Purchase)

Encl:

- IPBD Drawing