

Ref: BHE/PW/PUR/RGEMO-20MT-CRH/2531/Corg-03

Date: 17/01/2022

To,

ALL BIDDERS,

Sub: Corrigendum-03: Issuance of clarification and Extension in due date of offer submission.

JOB: PROVIDING SERVICES OF 20 MT BASIC CAPACITY TOWER CRANE (FIX FOUNDATION TYPE) ON MONTHLY HIRING BASIS AT NTPC Ramagundam ESP R & M stage-II PROJECT, POST: Jyothinagar, District: - Karimnagar, Telangana -505215.

E-Tender Spec No: BHE/PW/PUR/RGEMO-20MT-CRH/2531

Bidders to kindly take note of the following:

AA) Clarification:

Plot plan is enclosed in line with Clause no 2.1.7 Chapter-II of Vol-IA

BB) EXTENSION of LAST DATE OF TENDER SUBMISSION:

The last date for submission of Tender has been re-scheduled to 18/01/2022, 13.00 hrs.

Technical Bid shall be opened on 18/01/2022 at 17.00 hrs.

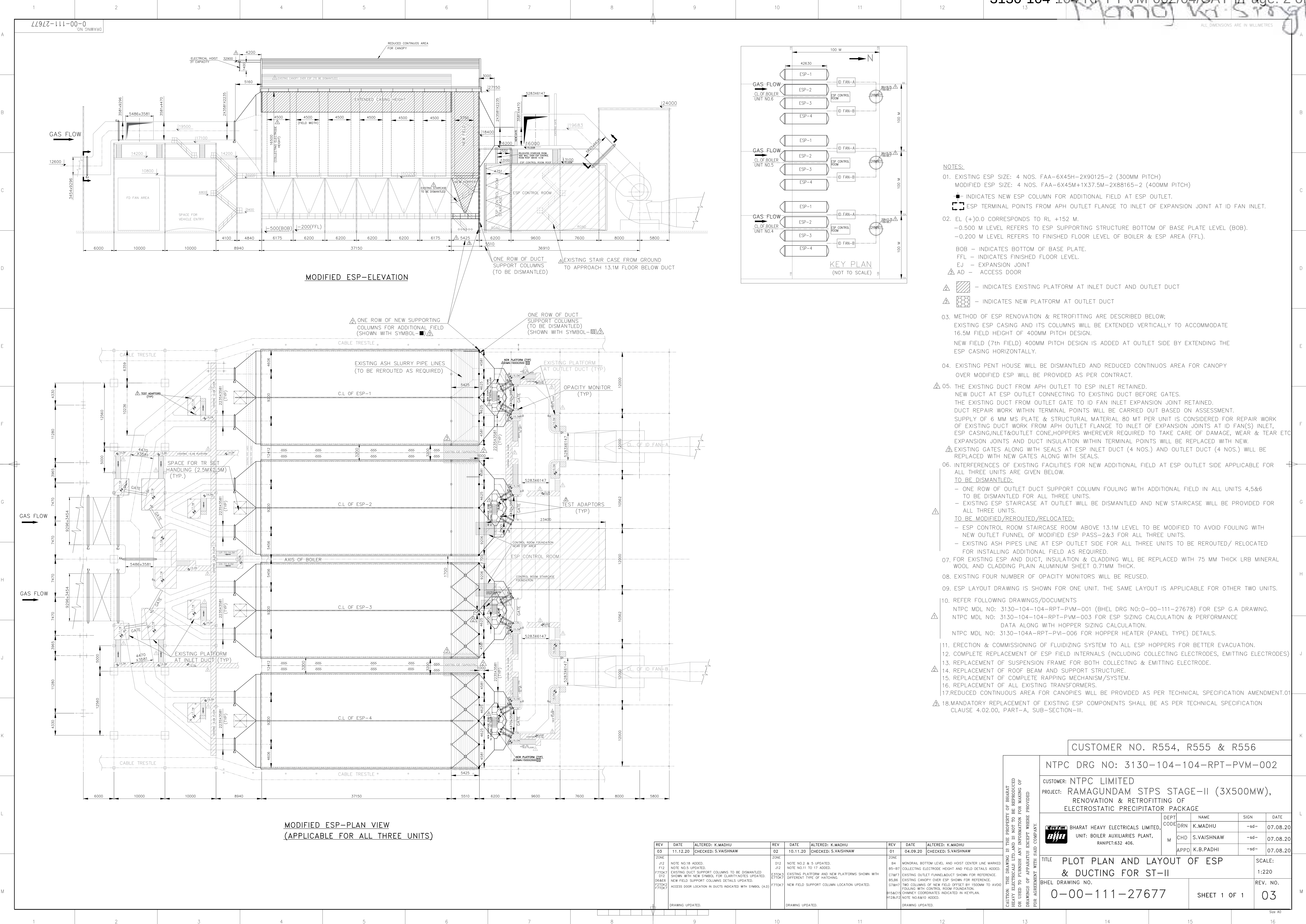
All other Terms and conditions of the Tender Specification shall remain unaltered unless expressly amended by BHEL in writing. Bidders are requested to submit as a part of their offer, a copy of this corrigendum duly Digitally countersigned by the authorized signatory as a token of Bidder's unqualified acceptance of this corrigendum.

BIDDERS MAY PLEASE NOTE THAT SUBJECT TENDER IS E-TENDER AND THE OFFER IS TO BE SUBMITTED ONLY IN E-PROCUREMENT PORTAL → <https://eprocurebhel.co.in>

BIDDERS WHO HAVE ALREADY SUBMITTED THEIR OFFERS PRIOR TO ISSUANCE OF THIS CORRIGENDUM IN E-TENDER PORTAL ARE REQUIRED TO RE-SUBMIT THEIR OFFER AFTER TAKING COGNIZANCE OF THIS CORRIGENDUM.

Thanking you,
Yours faithfully,

GM (Purchase)



- NOTES:**
- EXISTING ESP SIZE: 4 NOS. FAA-6X45H-2X90125-2 (300MM PITCH)
MODIFIED ESP SIZE: 4 NOS. FAA-6X45M+1X37.5M-2X88165-2 (400MM PITCH)
■ INDICATES NEW ESP COLUMN FOR ADDITIONAL FIELD AT ESP OUTLET.
□ ESP TERMINAL POINTS FROM APH OUTLET FLANGE TO INLET OF EXPANSION JOINT AT ID FAN INLET.
 - EL (+)0.0 CORRESPONDS TO RL +152 M.
-0.500 M LEVEL REFERS TO ESP SUPPORTING STRUCTURE BOTTOM OF BASE PLATE LEVEL (BOB).
-0.200 M LEVEL REFERS TO FINISHED FLOOR LEVEL OF BOILER & ESP AREA (FFL).
BOB - INDICATES BOTTOM OF BASE PLATE.
FFL - INDICATES FINISHED FLOOR LEVEL.
EJ - EXPANSION JOINT
AD - ACCESS DOOR
 - METHOD OF ESP RENOVATION & RETROFITTING ARE DESCRIBED BELOW:
EXISTING ESP CASING AND ITS COLUMNS WILL BE EXTENDED VERTICALLY TO ACCOMMODATE 16.5M FIELD HEIGHT OF 400MM PITCH DESIGN.
NEW FIELD (7th FIELD) 400MM PITCH DESIGN IS ADDED AT OUTLET SIDE BY EXTENDING THE ESP CASING HORIZONTALLY.
 - EXISTING PENT HOUSE WILL BE DISMANTLED AND REDUCED CONTINUOUS AREA FOR CANOPY OVER MODIFIED ESP WILL BE PROVIDED AS PER CONTRACT.
 - THE EXISTING DUCT FROM APH OUTLET TO ESP INLET RETAINED.
NEW DUCT AT ESP OUTLET CONNECTING TO EXISTING DUCT BEFORE GATES.
THE EXISTING DUCT FROM OUTLET GATE TO ID FAN INLET EXPANSION JOINT RETAINED.
DUCT REPAIR WORK WITHIN TERMINAL POINTS WILL BE CARRIED OUT BASED ON ASSESSMENT.
SUPPLY OF 6 MM MS PLATE & STRUCTURAL MATERIAL 80 MT PER UNIT IS CONSIDERED FOR REPAIR WORK OF EXISTING DUCT WORK FROM APH OUTLET FLANGE TO INLET OF EXPANSION JOINTS AT ID FAN(S) INLET.
ESP CASING, INLET & OUTLET CONE, HOPPERS WHEREVER REQUIRED TO TAKE CARE OF DAMAGE, WEAR & TEAR ETC.
EXPANSION JOINTS AND DUCT INSULATION WITHIN TERMINAL POINTS WILL BE REPLACED WITH NEW.
EXISTING GATES ALONG WITH SEALS AT ESP INLET DUCT (4 NOS.) AND OUTLET DUCT (4 NOS.) WILL BE REPLACED WITH NEW GATES ALONG WITH SEALS.
 - INTERFERENCES OF EXISTING FACILITIES FOR NEW ADDITIONAL FIELD AT ESP OUTLET SIDE APPLICABLE FOR ALL THREE UNITS ARE GIVEN BELOW.
TO BE DISMANTLED:
 - ONE ROW OF OUTLET DUCT SUPPORT COLUMN FOULING WITH ADDITIONAL FIELD IN ALL UNITS 4,5&6 TO BE DISMANTLED FOR ALL THREE UNITS.
 - EXISTING ESP STAIRCASE AT OUTLET WILL BE DISMANTLED AND NEW STAIRCASE WILL BE PROVIDED FOR ALL THREE UNITS.**TO BE MODIFIED/REROUTED/RELOCATED:**
 - ESP CONTROL ROOM STAIRCASE ROOM ABOVE 13.1M LEVEL TO BE MODIFIED TO AVOID FOULING WITH NEW OUTLET FUNNEL OF MODIFIED ESP PASS-2&3 FOR ALL THREE UNITS.
 - EXISTING ASH PIPES LINE AT ESP OUTLET SIDE FOR ALL THREE UNITS TO BE REROUTED/ RELOCATED FOR INSTALLING ADDITIONAL FIELD AS REQUIRED.
 - FOR EXISTING ESP AND DUCT, INSULATION & CLADDING WILL BE REPLACED WITH 75 MM THICK LRB MINERAL WOOL AND CLADDING PLAIN ALUMINUM SHEET 0.71MM THICK.
 - EXISTING FOUR NUMBER OF OPACITY MONITORS WILL BE REUSED.
 - ESP LAYOUT DRAWING IS SHOWN FOR ONE UNIT. THE SAME LAYOUT IS APPLICABLE FOR OTHER TWO UNITS.
 - REFER FOLLOWING DRAWINGS/DOCUMENTS
NTPC MDL NO: 3130-104-104-RPT-PVM-001 (BHEL DRG NO:0-00-111-27678) FOR ESP G.A DRAWING.
NTPC MDL NO: 3130-104-104-RPT-PVM-003 FOR ESP SIZING CALCULATION & PERFORMANCE DATA ALONG WITH HOPPER SIZING CALCULATION.
NTPC MDL NO: 3130-104A-RPT-PVI-006 FOR HOPPER HEATER (PANEL TYPE) DETAILS.
 - ERECTION & COMMISSIONING OF FLUIDIZING SYSTEM TO ALL ESP HOPPERS FOR BETTER EVACUATION.
 - COMPLETE REPLACEMENT OF ESP FIELD INTERNALS (INCLUDING COLLECTING ELECTRODES, EMITTING ELECTRODES).
 - REPLACEMENT OF SUSPENSION FRAME FOR BOTH COLLECTING & EMITTING ELECTRODE.
 - REPLACEMENT OF ROOF BEAM AND SUPPORT STRUCTURE.
 - REPLACEMENT OF COMPLETE RAPPING MECHANISM/SYSTEM.
 - REPLACEMENT OF ALL EXISTING TRANSFORMERS.
 - REDUCED CONTINUOUS AREA FOR CANOPIES WILL BE PROVIDED AS PER TECHNICAL SPECIFICATION AMENDMENT.01
 - MANDATORY REPLACEMENT OF EXISTING ESP COMPONENTS SHALL BE AS PER TECHNICAL SPECIFICATION CLAUSE 4.02.00, PART-A, SUB-SECTION-III.

CUSTOMER NO. R554, R555 & R556

NTPC DRG NO: 3130-104-104-RPT-PVM-002

CUSTOMER: NTPC LIMITED
PROJECT: RAMAGUNDAM STPS STAGE-II (3X500MW),
RENOVATION & RETROFITTING OF
ELECTROSTATIC PRECIPITATOR PACKAGE

DEPT CODE	NAME	SIGN	DATE
DRN	K.MADHU	-sd-	07.08.20
M	CHD S.VAISHNAW	-sd-	07.08.20
APPD	K.B.PADHI	-sd-	07.08.20

TITLE: PLOT PLAN AND LAYOUT OF ESP & DUCTING FOR ST-II
BHEL DRAWING NO. 0-00-111-27677
SHEET 1 OF 1
SCALE: 1:220
REV. NO. 03

REV	DATE	ALTERED: K.MADHU	REV	DATE	ALTERED: K.MADHU	REV	DATE	ALTERED: K.MADHU
03	11.12.20	CHECKED: S.VAISHNAW	02	10.11.20	CHECKED: S.VAISHNAW	01	04.09.20	CHECKED: S.VAISHNAW
ZONE	J12	NOTE NO.18 ADDED.	ZONE	J12	NOTE NO.2 & 5 UPDATED.	ZONE	B4	MONORAIL BOTTOM LEVEL AND HOIST CENTER LINE MARKED.
F770K7	D12	NOTE NO.5 UPDATED.	F770K7	D12	NOTE NO.11 TO 17 ADDED.	F770K7	B5-B7	COLLECTING ELECTRODE HEIGHT AND FIELD DETAILS ADDED.
F770K7	D12	EXISTING DUCT SUPPORT COLUMNS TO BE DISMANTLED.	F770K7	D12	EXISTING DUCT SUPPORT COLUMNS TO BE DISMANTLED.	F770K7	B7	EXISTING OUTLET FUNNEL/DUCT SHOWN FOR REFERENCE.
F770K7	D12	NEW FIELD SUPPORT COLUMNS DETAILS UPDATED.	F770K7	D12	NEW FIELD SUPPORT COLUMNS DETAILS UPDATED.	F770K7	B8	EXISTING CANOPY OVER ESP SHOWN FOR REFERENCE.
F770K7	D12	ACCESS DOOR LOCATION IN DUCTS INDICATED WITH SYMBOL (A.D)	F770K7	D12	NEW FIELD SUPPORT COLUMN LOCATION UPDATED.	F770K7	B9	TWO COLUMNS OF NEW FIELD OFFSET BY 1500MM TO AVOID FOULING WITH CONTROL ROOM FOUNDATION.
F770K7	D12		F770K7	D12		F770K7	B10	CHIMNEY COORDINATES INDICATED IN KEY PLAN.
F770K7	D12		F770K7	D12		F770K7	B11	NOTE NO.6&10 ADDED.
F770K7	D12		F770K7	D12		F770K7	B12	

CAUTION: THE DRAWING IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD. AND IS NOT TO BE REPRODUCED OR USED TO FURNISH ANY INFORMATION FOR MAKING OF DRAWINGS OF APPARATUS EXCEPT WHERE PROVIDED FOR AGREEMENT WITH SAID COMPANY.