



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT, NOIDA

Date-14-Nov-19

CORRIGENDUM- 01

PROJECT	:	3X660 MW NTPC NORTH KARANPURA-FGD
PACKAGE	:	IDCT
ENQUIRY NO	:	E-6331/2019 Dated. 08.11.2019
SUBJECT	:	TECHNICAL AMENDMENT

Type of Corrigendum			
Technical Corrigendum -	☒	Commercial Corrigendum -	☐

In reference to the above mentioned tender enquiry for **IDCT** package

Please note the following.

1. Technical amendment 01 attached with this corrigendum shall be considered as part of NIT.

All the other terms and conditions of the tender enquiry remain unchanged. All the bidders are requested to quote accordingly.

Yours faithfully,

For and on behalf of BHEL

R P Yadav
Dy. Manager

FGD SYSTEM PACKAGES FOR 3X660 MW NKSTPP

AMENDMENT NO. 1

TO TECHNICAL SPECIFICATION FOR FRP COOLING TOWER

Specification No. : PE-TS-441-165-N001 (REV. 0)



**BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
PPEI BUILDING, SECTOR 16 A
NOIDA - 201301**



TITLE

**FRP COOLING TOWER
FGD SYSTEM PACKAGES FOR
3X660 MW NKSTPP
DATA SHEET-A
AMENDMENT NO. - 1**

SPECIFICATION NO. PE-TS-441-165-N001.

SECTION : I

SUB-SECTION : ID

REV 00

DATE 14.11.2019

1

SHEET

OF 2

A. GENERAL DATA

- | | | |
|----|-----------------------|---|
| 1) | Service | Cooling of ACW – FGD Package |
| 2) | Type | Fiberglass Reinforced Plastic Construction Induced Draught. |
| 3) | Quantity of Cells | 1 no. OR 2 nos. |
| 4) | Place of installation | Near ECW-ACW Pump House – FGD Package. |

B. DESIGN DATA

- | | | |
|----|---|--|
| 1) | Capacity at specified conditions. | 315 M ³ /hr |
| 2) | Water flow rate | 315 M ³ /hr |
| 3) | Design Ambient air wet bulb temperature | 28 Deg. C. |
| 4) | Design inlet air wet bulb temperature
(including re-circulation allowance) | 28.4 Deg. C. |
| 5) | Hot water inlet temperature | 41 Deg. C |
| 6) | Design Cold water temp at CT outlet | 34 Deg. C |
| 7) | Approach | 5.6 degC w.r.t inlet WBT and 6 degC w.r.t Amb. WBT |
| 8) | Depth of sump Tank | Bidder to decide. |

C. MATERIAL OF CONSTRUCTION

- | | | |
|----|-----------------------------|--|
| 1) | Casing | <div style="font-size: 4em; line-height: 1;">}</div> <p>Refer clause no. 1.06.00 Cooling Towers
(FGD System) of Appendix - 1</p> |
| 2) | Louvers | |
| 3) | Type of fill | |
| 4) | Nozzles | |
| 5) | Bird screen on top of tower | |
| 6) | Fan impeller | |
| 7) | Supporting structure | |
| 8) | Strainer at water outlet | |
| 9) | Distribution Pipe (if any) | |