

Date: 06/05/2019

PROJECT: 5X800 MW YADADRI TPS
PACKAGE: DC LEAD ACID BATTERIES
REF ENQUIRY NO: PE/PG/EN1/E-6179/2019 DATED 17.04.2019
DUE DATE: 15.05.2019 14:00 HRS IST
SUBJECT: Amendment in Technical Specification

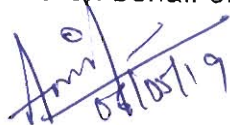
CORRIGENDUM - 02

This is in reference to the subject Tender Enquiry please consider:

Change in Annexure-I, Section-I of technical specification no. PE-TS-417-508-E001.
(Enclosed)

Thanking You,

With Regards,
For & on behalf of BHEL



Amit Meena
Dy. Manager/PG-II

Please reply to:
Amit Meena (DY. MANAGER/PG-II)
Power Project Engineering Institute Building
HRD & ESI Complex Plot No. 25, Sector -16 A,
BHEL-PEM, Noida-201301 (U.P.)

BHEL/ PEM/ NOIDA

Amendment to Indent

DATE:03.05.19

DEPARTMENT NAME: ELECTRICAL

PROJECT: 5X800 MW YADADRI TPS

PACKAGE NAME: 220V DC BATTERY

INDENT NO/ DATE: PE-PI-417-508-10926/ 12.03.19

AMENDMENT NO/ DATE: 01 / 03.05.19

REASON FOR AMENDMENT: Change in Annexure-I, Section-I of technical specification no :
PE-TS-417-508-E001

PRICE IMPACT (Y/ N): N
(If yes sealed envelope enclsod)

CATEGORY OF CHANGE: Minor
(MAJOR / MINOR)

NATURE OF CHANGE: Technical
(TECHNICAL/ COMMERCIAL)

AMENDMENT DESCRIPTION:
(For details separate signed sheet can be enclosed)

Refer Attachment.



TECHNICAL SPECIFICATION FOR
220V DC BATTERY

SPECIFICATION NO. PE-TS-417-508-E001

VOLUME II

SECTION I

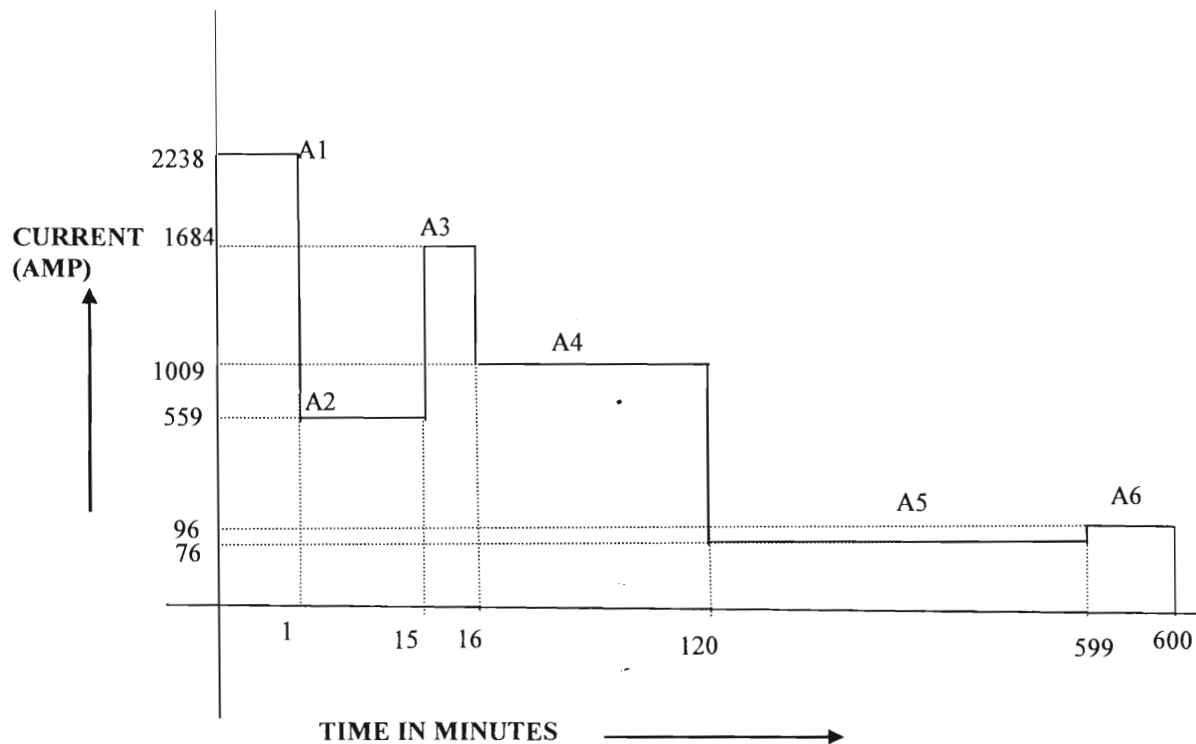
REVISION 00

DATE: 29.03.19

SHEET 1 OF 1

ANNEXURE-I to Section-I

LOAD DUTY CYCLE OF MAIN PLANT & ASSOCIATED STATION



FACTORS TO BE CONSIDERED FOR BATTERY SIZING:

- | | |
|----------------------------------|-----------------------------------|
| 1. AGEING FACTOR | : 1.25 |
| 2. MIN.ELECTROLYTIC TEMP. | : 7 °C |
| 3. END CELL VOLTAGE | : 1.80V PER CELL |
| 4. DESIGN MARGIN | : 20% |
| 5. TEMPERATURE CORRECTION FACTOR | : As per IEEE 485 (Refer note-2) |
| 6. NO. OF CELLS | : 108 |

NOTE: 1) BIDDER HAS TO TAKE AGEING FACTOR (MARGIN) IN THEIR BATTERY SIZING CALCULATION. NO DEVIATION IS ACCEPTABLE ON AGEING FACTOR.

2) Supporting calculation for temp correction factor as per IEEE 485 shall be furnished for batteries which are not designed at 25°C