



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT

Ref. Enquiry – PE/PG/KAR/E-4857/15-02

Dtd. 15.06.2015

CORRIGENDA - 02

PROJECT: 3X660 MW NORTH KARANPURA STPP STAGE I.

PACKAGE: Station Lighting System

Subject: Clarification related to Technical Specification and Extension of Part-I Bid Opening & Offer Submission Date.

1. The due date for tender submission for subject package is extended up to **29.06.2015 (10.00 A.M. IST)** and bid opening up to **29.06.15 (11.00 A.M. IST)**
2. **Clarification related to Technical Specification (Technical Specification No. PE-TS-405-558-E002) are mentioned in the attached Annexure-A. Please quote considering the clarifications mentioned in Annexure- A.**

Kindly contact the undersigned in case of any queries.

Please ensure submission of offer before due date.

Thanking You

With regards
For & on behalf of BHEL

MS
15/6/2015

Manish Kumar Sinha

Sr. Engineer | PGIII, BHEL PEM | Noida

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ANNEXURE A to Corrigenda- 02; Clarification related to Technical Specification

1. DETAILED DESCRIPTION OF FIXTURES FOR GREEN LIGHTING

1	GREEN BUILDING ECBC COMPLIANCE
a	LED FIXTURE & LAMP (6X3W)
b	FIXTURE FOR 4 NO 13 W LAMPS - WITH PARABOLIC SPECULAR LOUVERE WITH >99% HIGH PURITY ALUMINIUM REFLECTOR WITH HIGH LOR - T5 413 (DIM)
c	FIXTURE FOR 4 NO 13 W LAMPS - WITH PARABOLIC SPECULAR LOUVERE WITH >99% HIGH PURITY ALUMINIUM REFLECTOR WITH HIGH LOR - T5 413 (NON-DIM)
d	FC-30 WITH DIMMABLE BALLAST- WITH PARABOLIC SPECULAR LOUVERE WITH >99% HIGH PURITY ALUMINIUM REFLECTOR WITH HIGH LOR - BTMRA 413 MS (DIM)
e	FC-30 WITHOUT DIMMABLE BALLAST- WITH PARABOLIC SPECULAR LOUVERE WITH >99% HIGH PURITY ALUMINIUM REFLECTOR WITH HIGH LOR - BTMRA 413 MS (NON-DIM)
f	2X18W CFL/ FLOURESCENT - BJDR 218 H
g	FIXTURE FOR 150W METAL HALLIDE LAMP - BJFL 150 MH T AS
h	FC06 WITH DIMMABLE BALLAST - BTIV-228
i	FC32 WITH DIMMABLE BALLAST - BTSM-228
j	13W LAMP
k	18 W CFL
l	150 W METAL HALLIDE LAMP - BJFL 150 MH LAMP
m	Occupancy sensor
n	Control system (Green Buildings)



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2. SPECIFICATION OF RA FLAMEPROOF & RD TYPE RECEPTACLE:

- a) Type RA flameproof : specification shall be same as that of RA receptacle in addition that it shall be flameproof.
- b) Type RD: 125A, 415 V TPN with Earth surface mounting 5 pin industrial type.

3. FOLLOWING POINTS REGARDING LDB ARE TO BE NOTED :

- a) Impedance of lighting / welding transformer shall be so selected that the fault level of lighting / welding system shall be reduced to 3 to 5kA.
- b) Off circuit tap changer with +/-2.5% & +/-5% tapping shall be provided.
- c) LDB shall be considered to be loaded to 70% of their rating.

- 4. No. of fixtures to be mounted on lighting mast is envisaged as 16. However, Fixtures and lamps are covered in the BOQ of station lighting spec, no additional fixtures are to be considered by bidder separately for lighting mast.