

भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited

उद्योग क्षेत्र, नई दिल्ली/ Industry Sector, New Delhi

मानव संसाधन प्रबंध/ Human Resources Management

ID/ HRM/ A041/ CAC-UVGI-ENQ -CRG

21st January 2021

Corrigendum – 1

Sub: Corrigendum to tender enquiry for supply and installation of UV based disinfection devices in centralised AC plant installed in BHEL, Lodhi Road

Ref: Tender Enquiry vide ref. ID/ HRM/ A041/ CAC-UVGI-ENQ dated 08.01.2021

With reference to the open tender enquiry for “supply and installation of UV based disinfection devices in centralised AC plant installed in BHEL, Lodhi Road”, the tender enquiry document is to be comprehended after including the following:

1. **Defect Liability Period:** Successful bidder has to serve a defect liability period of two years i.e. repair / replacement of faulty parts shall be done free of cost by the successful bidder within the period of two years from the date of installation or handing over of the functional UV based disinfection devices, whichever is later.

Security deposit (SD), without interest, shall be refunded after successful completion of defect liability period i.e. two years from the date of installation or handing over of the functional UV based disinfection devices, whichever is later.

2. Specifications of the UV based disinfection devices:

Description	Specifications
UVC wavelength range	254 ± 1 nm
Energy output of UV lamp at 254 ± 1 nm	≥ 95%
Minimum average intensity inside the ducts	> 4000 μW/cm ² /sec
UV lamp life with full intensity	9000 hours
UV lamp Intensity after 9000 hours	≥ 80% of the maximum
Individual UV lamp On/Off/Error Indicator	To be provided by contractor
Individual UV lamp failure indication	To be provided by contractor
Lamp change reminder on Display	To be provided by contractor
Electronic ballasts	High power factor of > 0.90 and THD ≤ 15%
Ballast Protection Circuit	To be provided by contractor
Power supply to UVGI devices	230V ± 15%, 50Hz single phase AC Supply
Electronic / control components certification	UL certified
UV lamp compliance	ASHRAE / ISHRAE guidelines
Suitably rated RCBO/MCB for ON/Off of incoming mains power to UVGI devices	To be provided by contractor

3. Bidder has to submit a performance certificate of UV devices from an NABL certified lab indicating the rated output.

4. In the UV based disinfection devices, the lamps may be placed in such arrangements that limit the exposure to humans, preferably with interlocks that automatically shut off the UV lamps if the system is opened for access by humans.
5. The UV Lamps, to be installed, shall be so designed that any UV light below 253 nm wavelengths will not be released, to minimize ozone production. To substantiate this the lamps shall be factory tested for output performance of 254 nm.
6. The control panel, with electronic components, of each of the UV based disinfection devices shall be mounted outside the duct to avoid any effect of moisture on the electronic components and to avoid additional heat load on AHU.
7. BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among all the techno-commercially qualified bidders.


Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.

This is for information of all and all are kindly requested to comprehend the tender enquiry document after taking into consideration the above requirements.

Please note that the last time and date for submission of complete tender bids have been extended up to 1500 hours of 12.02.2021.

Thanking you.

Yours faithfully,
For Bharat Heavy Electricals Limited,


21/01/2021
(Shlok Nagar)

Dy. Manager (HR-Admin)

उप प्रबंधक / Deputy Manager
मानव संसाधन-प्रशासन / HR-Admin

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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