

U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.

**Expression of Interest (EOI) Notice**  
(International Expression of Interest)

*EOI No. - 02 / CE(E&S) / UNL /HQ / 2021-22 "FLUE GAS DESULPHURISATION (FGD) SYSTEM PACKAGE FOR HARDUAGANJ & PARICHHA UNITS" has been uploaded on 29.05.2021 at <https://uprvunl.org>. Last date of submission of EOI: 15.06.2021 at 16:00 Hrs. Details of Expression of Interest (EOI) and other terms & condition is available on the e-tender portal. Undersigned reserves the right to cancel the process without assigning any reason.*

*Corrigendum, Addendum, Extension if any shall be uploaded only on the above website. Bidders are advised to visit the website regularly for updated information from time to time.*



**Chief Engineer (E&S)**



**UP RAJYA VIDYUT UTPADAN NIGAM LTD.**  
(A UP Government Undertaking)

**INVITES EXPRESSION OF INTERESTS  
FOR FLUE GAS DESULPHURISATION (FGD) SYSTEM PACKAGE  
FOR**

## **HARDUAGANJ & PARICHHA UNITS**

(International Expression of Interest)

**A.** UPRVUNL is wholly owned state thermal power utility with present generating capacity of 5474 MW, operating 4 Thermal Power Stations within Uttar Pradesh. Poised to contribute in the growth of state, we're in the process of adding further 3960 MW capacity with super critical technology to our existing fleet. UPRVUNL invites bid from reputed Bidders for FLUE GAS DESULPHURISATION (FGD) SYSTEM PACKAGE For Harduaganj Units 2x250MW and Parichha 2x210MW & 2x250MW Projects.

**B. Scope of work:-** The scope of Flue Gas Desulphurisation (FGD) System Package for Harduaganj Units 2x250MW and Parichha 2x210MW & 2x250MW Projects shall cover design, engineering, manufacture, shop fabrication, preassembly, shop testing/type testing at manufacturer's works, packing, transportation, unloading, handling and conservation of equipment at site, complete services of construction including erection, supervision, pre-commissioning, commissioning and performance testing of equipment under bidder's scope of work of FGD System.

Bids are invited on **BOOT** (Built, Operate, Own, Transfer) model i.e. bidder shall design and Engineering, Development, Implementation of Flue Gas Desulphurization (FGD) SYSTEM For Harduaganj Units 2x250MW and Parichha 2x210MW & 2x250MW Projects and also be responsible for Operation and Maintenance of the FGD systems for next 10 year from date of Commissioning of the FGD system. Bidder shall submit their Techno-Commercial proposal along with impact of FGD project cost on current energy charges of respective projects.

Bidder shall be invited to present, at short notice, their solution to achieve desired Level Sox emission level.

Interested bidders may submit the expression of interest along with the Documentary proof of Qualification Requirement (QR) documents.

**C: Qualification Requirement:**

**Technical Criteria:**

1. Should have experience of Flue Gas Desulphurization (FGD) system works.
2. Should have in house expertise for Design and Engineering, Development, Implementation of such projects.
3. Should have Designed, Engineered, Supplied, Erected / Supervised Erection and Commissioned / Supervised commissioning of at least one no. of flue gas desulphurization system having flue gas treatment capacity of not less than 20,00,000 Nm<sup>3</sup>/hr, with desulphurization efficiency of at least 90% operating in a pulverized coal fired power plant. The above work should have been in successful operation for a period of not less than one year.
4. Bidders (including its Collaborator/Associate/DJU Partner/JV partner/Consortium Member/Assignee, wherever applicable) from a country which shares a land border with India will be eligible to bid in this EOI only if bidder is registered with the Competent Authority as per Ministry of Finance, GOI order F.No. 6/18/2019-PPD dated 23 July 2020.

**Commercial Criteria:**

1. Should be a profit making company & should not have incurred losses during the last three financial years ending 31/03/2021.
2. Should have positive net worth as on 31/03/2021.
3. The average annual turnover in the preceding three financial years starting from 2018-19 should not be less than INR 100 Million.
4. Should not have been blacklisted/ debarred by any Foreign / Indian Government /Semi-Govt./ PSU Organization in India during last 03 years (submit undertaking).

**D. Technical Data:**

Project Details			Sox Emission level for previous years		
S.n.	Project name	Date of Commissioning (COD)	Sox Min Value	Sox Max Value	Sox Avg Value
1.	Harduaganj 2X250 MW	U#8 01.02.2012 U#9 10.10.2013	618 /Nm3	860 mg/Nm3	788 mg/Nm3
2.	Parichha 2x210 MW	U#3 24.11.2006 U#4 01.12.2007	491 mg/Nm3	1698 mg/Nm3	943 mg/Nm3
3.	Parichha 2x250 MW	U#4 17.07.2012 U#5 18.04.2013	532 mg/Nm3	1712 mg/Nm3	956 mg/Nm3

**E. Outcome:**

Emission level from stack shall be as per stipulated by MOEF, GOI.

S.n.	Project name	Sox Emission level as per MOEF,GOI ( @6% dry o2)
1.	Harduaganj 2X250 MW	<=600 mg/Nm3
2.	Parichha 2x210 MW	<=600 mg/Nm3
3.	Parichha 2x250 MW	<=600 mg/Nm3

UPRVUNL reserves the right to accept or reject any or all EOIs or annul this process without assigning any reason and liability whatsoever and to re-invite EOI at its sole discretion. The corrigendum to this EOI, if any, shall be displayed on the UPRVUNL's [website www.uprvunl.org](http://www.uprvunl.org) only.

Interested parties can submit their Expression of Interest basis within 15 days from the date of publication the EOI document at the e-mail addresses gm.es4@uprvunl.org or send sealed envelope at the Address: Office of the Chief Engineer (E&S), UPRVUNL, 7th Floor, Shakti Bhawan Extn., 14-Ashok Marg, Lucknow -226001 (UP). For any query, bidder may kindly contact at e-mail: gm.es4@uprvunl.org.

**CHIEF ENGINEER (E&S)**