

Punjab Genco Limited
(100% Subsidiary of Punjab Energy Development Agency)

Plot No. 1 & 2, Sector 33D, Chandigarh

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National Invitation for Expression of Interest from experienced EPC companies having existing firm tie up with Licensed / Original Technology Holders for setting up of CBG/BIO-CNG Project at Tajpur Dairy Complex, Ludhiana, Punjab

Punjab Genco Limited (PGL), a wholly owned subsidiary of Punjab Energy Development Agency, (PEDA) (A Govt. of Punjab undertaking) Invites Expression of Interest (EOI) from EPC companies having tie ups with Licensed/Original Technology Holders for setting up of CBG/BIO-CNG Project at Tajpur Dairy Complex, Ludhiana, Punjab.

Dairy Activity at Tajpur Dairy Complex and its surroundings generates abundant quantity of cow dung / cattle manure which is at present causing considerable problems like sewage blockage, health hazard due to its unscientific disposal. It is therefore proposed to process this bio-waste (animal dung) to produce 12000m³ of Biogas via the anaerobic digestion process and convert the same to Bio-CNG/CBG as per BIS specification laid in IS 16087:2016 as updated from time to time. A plot measuring 2.5 Acre land has been earmarked to set up the project in Tajpur Dairy Complex, Ludhiana.

The scope of work includes design, supply, erection, commissioning and 2 years post commissioning operation of the project to produce 12000m³ of raw bio-gas and purify and compress it to levels required for dispensing/sale. The compressed CBG/Bio CNG may be sold through dispensing unit at the plant site or through cascades to consumers at the discretion of Punjab Genco Limited. The slurry/manure in the dry or wet form shall be sold to suitable parties/farmers/customers. For this scope of work after EOI, two stage separate competitive e-bidding shall be carried out.

The Project is to be set up and owned by Punjab Genco Limited. A competent EPC entity having firm existing tie ups with technology holder can submit their Expression of Interest. The licensed technology should be State-of-the-art technology for production of biogas and CBG as well as effluent treatment. National EPC Companies must have back to back tie ups with national/international technology providers. Detailed write up including process flow diagram, water usage, effluent discharge etc. shall be supplied along with photographs/video of any commissioned projects based on the technology offered. The parties shall also supply documents relating to their experience in setting up /operating such projects.

Experienced EPC companies having firm tie up with original licensed technology holders will be invited to give a presentation of the technology and their merits alongwith their capability to execute the project through video conferencing on the date & time to be intimated later-on on their provided email IDs.

The offered technology is expected to lead to higher yields and volumetric efficiency of digesters that must have been already deployed at comparable scale-minimum of 5000 cum biogas production per day for similar feedstock namely cattle dung. The technology must also be capable to use biomass, vegetable waste and poultry waste etc. so as to produce designed quantity of CBG in case of short fall of cattle dung. The aim is to present a model for other similar projects in the State of Punjab and the country on the whole for a viable mode of making use/disposal of animal dung to prevent pollution, generate revenue from CBG/CNG and organic manure. The technology should be cost effective and have minimum liquid discharge.

The complete proposals comprising company information, EPC capabilities, experience in the Biogas/ Bio-CNG sector, technology tie up, technology write up, certified operation data from existing plants and other important information which the technology provider would like to provide be e-mailed to davindersingh@peda.gov.in with copy to mpsingh@peda.gov.in upto 14.8.2020. Interested Parties may contact on telephone no. 9876051885/9815602615/9815328505 for any queries/clarifications.

PGL can cancel/annul the EOI process without assigning any reason and will not be liable for any cost incurred by the companies. Submission of EOI does not constitute any right in favour of the Company.


Director, PGL