

Punjab Genco Ltd.

Invites

E-Tenders

For

Supply, Erection, Testing and Commissioning of one number Screw Press to be installed with the existing system at High Rate Bio-Methanation Power Generation & CBG/CO₂ Plant at Haibowal Dairy Complex, Ludhiana, Punjab on turnkey basis.



**Director
Punjab Genco Limited,
Solar Passive Complex
Plot No. 1 & 2, Sector 33-D, Chandigarh
Tel- Fax no. (0172) – 2646384**



Punjab Genco Limited,
(CIN: U40108CH1998SGC21134)

Solar Passive Complex
Plot No.1 & 2, Sector 33-D, Chandigarh-160034,
Tel.: 91-172-2663328, 2646384
Email: - pgl@peda.gov.in

Tender Notice

E-Tender No. – PEDA/PGL/2021-22/55

E-tender for Supply, Erection, Testing and Commissioning of one number Screw Press to be installed with the existing system at High Rate Bio-Methanation Power Generation & CBG/CO₂ Plant at Haibowal Dairy Complex, Ludhiana, Punjab on turnkey basis.

The prospective bidders are requested to submit bids as per schedule given below-

1.	Date of uploading of Bid Document	28.08.2021
2.	Last date and time for submission of e-bids	22.09.2021 till 04:30 PM
3.	Date and Time of opening of Technical e-bids	24.09.2021 at 12.30 PM.
4.	Cost of bid document (Rs.)	Rs. 2500/-
5.	E- Processing fee (Rs.)	As applicable through online mode only.
6.	Earnest Money Deposit (Rs.)	Rs. 60,000/-

1. The detailed terms and conditions, scope of work, eligibility criteria, Performance Guarantee and place of submission of Bids etc. are given in the bid document, which is being uploaded and can be downloaded from the www.eproc.punjab.gov.in or www.peda.gov.in.
2. Prospective bidders are requested to remain updated for any kind of notices/updates/amendments/modifications/clarifications etc. to the bid document conditions in the website www.eproc.punjab.gov.in. No separate notifications will be given for such notices/updates/amendments/modifications/clarifications etc. in the print media (press) or individually.
3. For participating in the above e-tendering process, the bidders shall have to get themselves registered with <https://eproc.punjab.gov.in> and get user ID and Password. Class-3 Digital Signature is mandatory to participate in the e-tendering process. For any clarification/difficulty regarding e-tendering process flow, please contact PGL at 8558870510, 0172-2646384 or Helpdesk number for portal 0172-2791326 / 2791226.
4. Technical / Financial Bid Forms in bid document are for reference purposes only. Bidders have to download the Bid Forms from e-tendering website (www.eproc.punjab.gov.in) only after payment of bid document cost.
5. Corrigendum if any will be uploaded on the website www.eproc.punjab.gov.in. No separate notice shall be published in press.
6. PGL, reserve the right to accept or reject any or all the bids and annul the entire bidding process without assigning any reason thereof.

DIRECTOR

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SECTION I

INVITATION FOR E-TENDER

Director PGL (Punjab Genco Ltd.), Chandigarh invites e-tenders from eligible firms for carrying out **for Supply, Erection, Testing and Commissioning of one number Screw Press to be installed with the existing system at High Rate Bio-Methanation Power Generation & CBG/CO₂ Plant at Haibowal Dairy Complex, Ludhiana, Punjab on turnkey basis.**

The other technical specifications are detailed in Section-IV - Technical specifications

BID CONDITIONS

1. Bidders are advised to study the Bid Document carefully. Submission of Bids shall be deemed to have been done after careful study and examination of the Bid Document with full understanding of its implications.
2. Online offers prepared in accordance with the procedures enumerated in Section II should be submitted on line not later than the date and time laid down in this document.
3. The PGL reserves the right to reject any bid or all the bids or withdraw Notice Inviting Tender without assigning any reasons and revising quantity, fine-tuning specifications as per requirement/result of clarifications / site visit in between the period of sale of this document before opening the technical bids.
4. Bidders/ Supplier are to submit online tender by accessing tender documents on the website, fill it and submit the completed tender document into Electronic Tender form on the website itself. Bidders / Contractors shall attach scanned copies of all the papers, i.e. Earnest Money, Tender Form Cost & the certificates as required in Eligibility criteria.
5. Corrigendum / Addendum / Corrections, if any will be published on the website.
6. The Particulars of Bidder (Performa-II) & Price Schedule Performa (Performa-IV) will be visible after purchase of Bid Document.
7. If the date of opening of tenders happens to be a holiday then tenders will be opened on the next working day.
8. The tender shall be valid for 60 days from date of opening of Tenders. No bidder/firm or its subsidiary firm or its parent firm shall be allowed to submit alternate bids. If such bids are found by PGL, then the same and related bids shall be summarily rejected.
9. Addressee and Address at which Bids are to be submitted:
www.eproc.punjab.gov.in
**For
Director
Punjab Genco Limited,
Solar Passive Complex
Plot No. 1 & 2, Sector 33-D, Chandigarh
Telephone no. 0172-2667005**
10. **Technical Bids** will be opened on the prescribed date and time
11. **Financial Bids** of only those Bidders will be opened who qualify technically. The information regarding date of financial bid opening shall be made available on the web site.
12. **Please note that financial aspects (prices, cost etc.) should not be indicated in the Technical Bid and should be quoted only in the Financial Bid.**
13. **The other terms and conditions of the bid are elaborated in Section-III**

SECTION II
INSTRUCTIONS AND GUIDELINES TO BIDDERS FOR USING
E-PROCUREMENT SYSTEM FOR BID SUBMISSION

1. REGISTRATION OF BIDDERS ON E-PROCUREMENT SYSTEM:

For participating in the e-tendering process, the Suppliers shall have to get themselves registered with www.eproc.punjab.gov.in and get user ID, Password. Class-3 Digital Signature is mandatory to participate in the e-tendering process.

2. DIGITAL CERTIFICATES:

The Bids submitted online should be signed electronically with a Class III Digital Certificate to establish the identity of the Bidder submitting the Bid online. The Bidders are required to obtain Class III Digital Certificates issued by ITI/Punjab Infotech Ltd. A Class III Digital Certificate is issued upon receipt of mandatory identity proofs along with an Application Form. Only upon the receipt of the required documents, a Digital Certificate can be issued.

Note: It may take up to 2-3 working days for issuance of Class III Digital Certificate after completion of required documentation, hence the bidders are advised to obtain them at the earliest.

For any clarification/difficulty regarding e-tendering process flow, please contact on 9257209340 / 8054628821 / 01723934667 or Contact PGL Tel- Fax no. (0172) – 2646384.

3. PUBLISHING OF N.I.T.:

For the Tenders processed using the e-Procurement System, only a brief Advertisement related to the Tender shall be published in the newspapers and the Detailed Notice shall be published only on the e-Procurement System. The contractors can view the Detailed Notice and the time schedule for all the Tenders processed using the e-Procurement System on the website <http://etender.punjabgovt.gov.in>.

4. KEY DATES:

The Bidders are strictly advised to follow the time schedule (Key Dates) of the Tender given in the Tender Summary in this document for their side of tasks and responsibilities to participate in the Tender as all the stages of each Tender are locked before the start time and date and after the end time and date for the relevant stage of the Tender as set by Punjab Genco Limited.

5. PURCHASE OF TENDER DOCUMENTS:

The Tender documents can be purchased at the cost of Rs. 2500/- payable only online from 28.08.2021, 10.00 Hrs and can be downloaded free of cost from the web site www.eproc.punjab.gov.in. Arrangements have been made for the Bidders to make payments online via IPG (Internet Payment Gateway)/ Internet Banking/ NEFT/ RTGS. As this is online tendering, the application form for the purchase of tender documents shall not be required.

The Bidders are to purchase the tender documents online by making online payment of tender document fees using the service of the secure electronic payments gateway via one of the payments modes as mentioned above, and should print out the system generated receipt for their reference which can be produced whenever required.

6. SUBMISSION OF EMD:

The Bidders are to deposit the Earnest Money of Rs 60,000/- online by making online payment using the service of the secure electronic payments gateway via one of the payment

modes as mentioned in clause 6 above, and should print out the system generated receipt for their reference which can be produced whenever required.

7. PRE-BID CLARIFICATIONS:

For any Pre-bid queries, the bidders are advised to email their queries and PGL will reply through email. Email: pgl@peda.gov.in.

8. AMENDMENT OF BID DOCUMENT:

At any time upto the last date for receipt of bids, the PGL, may, for any reason, whether at his own initiative or in response to a clarification requested by prospective Bidders, modify the Bid Document by an amendment.:

- a. The amendment will be notified on the website and will be binding on the prospective bidders.
- b. In order to afford prospective Bidders reasonable time or otherwise for any other reason, in which to take the amendment into account in preparing their bids, PGL may, at his discretion, extend the last date for the receipt of Bids.

9. OPENING OF TENDERS:

The concerned Officials of the department will open the Technical Bid online on the date and time stipulated in the NIT. In case the tender could not be opened on due date and time, the same will be opened in the subsequent working day/days at the same time. Date & time of the financial bid opening will be uploaded on the web site. Financial Bids of only technical qualified bidders will be opened on that date and time.

Financial Bid of only Technical Qualified Bidders will be opened on that date & time. Date & time of Financial Bid opening will be uploaded on the website.

10. COST OF BID PREPARATION:

The Bidder shall bear all costs associated with the preparation and submission of its Bid, including cost of presentation for the purposes of clarification of the bid, if so desired by PGL and PGL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.

The Bidder is expected to carefully examine all instructions, forms, terms and specifications in the Bid Document. Failure to furnish all information required in the Bid Document or submission of a bid not substantially responsive to the Bid Document in every respect will be at the Bidder's risk and may result in the rejection of the bid.

11. AUTHORISED SIGNATORY:

Tender must bear Full/Complete signatures of a person authorized as per constitution and composition of the company. Authenticating documents to prove authority of signatory (Legal power of attorney in favour of signatory) must be attached with the tender. Name and Designation of the so authorized signatory must be indicated with each signature. It may be noted that in case signatures do not tally or differ, such signatures shall not be considered authentic.

All the correspondence with PGL shall also bear signature of the so authorized signatory, in this manner. Any correspondence with improper signatures shall not be entertained.

For any clarification/difficulty regarding e-tendering process flow, please contact on 9257209340 / 8054628821 / 01723934667 or Contact PGL -Telephone no. 0172-2646384.

SECTION - III

TERMS AND CONDITIONS OF THE BID

1. LANGUAGE OF BID:

The Bids prepared by the Bidder and all correspondence and documents related to the bids exchanged by the Bidder and PGL, shall be written in the English language, provided that any printed literature furnished by the Bidder may be written in another language so long as accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.

2. TECHNICAL QUALIFICATION CRITERION:

- a) The Bidder must be partnership/proprietorship/firm or company registered under Indian Companies Act 2013.
- b) The Bidder must have executed at least one project of similar nature, shall provide the detail, and scanned copies of documents as a proof in pre-qualification documents in the technical bid.
- c) The average annual turnover of the bidder should be Rs. 50 lacs during the last three financial years i.e. FY2019-20, 2018-19, 2017-18.
- d) The Bidder/consortium should not be under a declaration of ineligibility for corrupt and fraudulent practices or any other reason, whatsoever, or have not been blacklisted by the Government of India or any of its agencies, including public enterprises and/or by any State Government or any of its agencies.
- e) The Bidder must have CIN number in case of company.
- f) The Bidder shall give a certificate regarding the use of quality components for works as indicated in performa-V.

3. TECHNICAL BID WILL CONSIST OF THE FOLLOWING:

- (a) Bid Proposal Sheet as per Performa-I of Section-V.
- (b) Particulars of Bidder as per performa-II of Section-V (will be visible after purchase of Bid Document).
- (c) Certificate of genuine parts as per Performa-IV of Section-V.
- (d) Scanned copies of all the documents mentioned in the checklist.
- (e) All the Technical Drawings of the offered system along with make.
- (f) Technical Deviations, if any, from the terms and conditions and specifications (Performa-III). Failing which, it would be assumed that there are no technical deviations and the full responsibility lies on the Bidder.

4. FINANCIAL BID WILL CONSIST THE FOLLOWING:

- (a) Bid prices duly filled, signed and complete as per the Price Schedule on the prescribed Performa (Performa-V) (will be visible after purchase of Bid Document).

- (b) The prices will be fixed and valid for a period of twelve months from the date of issue of work order.
- (c) Financial Deviations not allowed.

5. INSPECTION OF EXISTING SCREW PRESS SYSTEM OF HAIBOWAL POWER PLANT:

Tenderer if desires, may inspect the existing Screw Press System (Make/Model-SEPCOM 065) installed at High Rate Bio-Methanation Power Plant at Haibowal (Ludhiana) and examine and obtain all information required and satisfy him regarding objectives, supplies and technical works involved and all local matters and things before submission of their tender. They should also satisfy themselves regarding the type and number of equipment and facilities required and constraints for the satisfactory completion of work. The quantities of various sections of the work, the availability of local labour, availability and rates of materials, local working conditions, extreme weather conditions, uncertainties of weather, obstructions and hindrance that may arise etc. all which may affect the work and cost thereof.

6. STANDARDS:

The Goods supplied under this contract shall conform to the standard mentioned in the Technical Specifications, and when no applicable standards are mentioned, it should conform to the authoritative standards. Such Standard shall be the latest issued by the concerned institution governing that standard.

7. COMPLETION PERIOD:

- a. The completion period will be within 45 days from the date of issue of work order for the entire project.
- b. Planned shutdown of the power plants will be provided for carrying out the installation and commissioning works within the above-mentioned period. The shut down period will be provided after completion of supplies or any other period considered appropriate by PGL.
- c. In the event of delay in the supply and /or installation & commissioning, specified above, the bidder shall be liable to pay a penalty @ 2% value for every week of delay subject to a maximum of 10% value, after which PGL, shall be at liberty to cancel the contract. For the purpose of this clause, part of a week shall be considered to be a full week.
- d. Relaxation in completion period for the purpose of penalty shall be allowed if it is felt that the delay is beyond the control of contractor or due to non availability of planned plant shutdowns or due to force majeure conditions. The decision in this regard shall be given by Director, PGL

8. SUBMISSION OF PERFORMANCE GUARANTEE:

- a. The Bidder whose tender will be accepted will be notified through letter of intent. The tenderer will acknowledge the LOI within 3 days.

- b. The bidder shall submit a performance Bank Guarantee of 10% of the quoted price within 2 (two) weeks of the issue of work order and would be valid for warranty period. The Bank Guarantee will be released after completion of warranty obligation period. Further the EMD amount will be released on submission of Bank Guarantee. Failure to submit BG in the specified time, EMD of the bidder will be forfeited.
- c. An unexcused delay by the Bidder in the performance of its supply and installation obligations shall render him liable to penalties as mentioned in clause 7 above and in addition to that Performance Security will be forfeited in case the maximum value of penalty is reached.
- d. Hiding of facts, misrepresentation, corrupt practices by the Bidder if revealed at any stage, withdrawing the bid after opening of Financial bid, non-signing of contract within stipulated period would amount to forfeiture of EMD and subsequently the firm may also be blacklisted.

9. STANDARD OF PERFORMANCE:

The firm shall carry out the supply order and carry out its obligations under the contract with due diligence, efficiency and economy in accordance with generally accepted norms techniques and practices used in the industry through qualified/licensed man-powers. The Bidder shall also adhere to professional implementation and support services during the execution of the project. The PGL may carry out benchmarking of sample equipments to be provided by the short listed Firm before and / or immediately after the delivery of equipment.

It shall employ appropriate advanced technology and safe and effective equipment, machinery, material and methods. Bidder shall always act in respect of any matter relating to this contract, as faithful advisors to the PGL and shall, at all times, support and safeguard the PGLs legitimate interests in any dealings with the third party.

10. USE OF CONTRACT DOCUMENTS AND INFORMATION:

- a. Bidder shall not, without the PGL's prior written consent, disclose the contract or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of PGL in connection therewith to any person other than a person employed by Bidder in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- b. Bidder shall not without the purchaser's prior written consent, make use of any document or information.
- c. Any document other than the contract itself shall remain the property of the PGL and shall be returned (in all copies) to PGL on completion of the service provider's performance under the contract if so required by the PGL.

11. SCHEDULE OF PAYMENT:

- a. 10% of the total cost will be released on submission of Bank Guarantee of 110% of the mobilization advance. This amount will be adjusted on pro-rata basis on release of payments as under:
 - i. 70% of the total cost will be released to the bidder after delivery of material/equipment at site.
 - ii. 20% of the total cost will be released to the bidder after successful installation and completion of all the modification works, protection testing & commissioning.
 - iii. The remaining 10% will be released after performance run of two month from the commissioning.

12. INSPECTION AND TEST:

The company at its discretion shall inspect, examine and test the technical supplies through its officers and/or through an outside agency nominated by PGL at the manufacturer's /supplier's works, prior to despatch on receipt of a clear notice of minimum 3 days in advance to be reckoned from the date of receipt by purchaser. Alternately the company may ask for the test certificate for the tests carried out by the manufacturer in line with the requirement of ISI.

13. WARRANTY PERIOD:

- a. The firm will be responsible for a comprehensive warranty of one year from the date of completion of works.
- b. The firm will not remove any equipment without the written permission of the PGL to be repaired/replaced under warranty obligations.
- c. The firm will rectify the faults as soon as possible appropriately within 12 clock hours. Such services shall be provided on all days.
- d. In case of default, the PGL will have the right to arrange maintenance at the risk and cost of the firm from any other source and shall adjust the charges from the Performance Bank Guarantee. PGL decision shall be final in this regard and will be binding on the firm.

14. TAXES AND DUTIES:

- a. The bidder shall be entirely responsible for all taxes, levies, cess, Octroi, duties, license fees, etc. incurred until completion of warranty obligations.

15. SUSPENSION:

- a. PGL may by a written notice of suspension to the Firm, suspend all payments to the Firm under the contract, if the Firm fails to perform any of its obligations under this contract provided that such notice of suspension:
 - i. Shall specify the nature of the failure.

- ii. Shall request the bidder to remedy such failure within a specified period from the date of receipt of such notice of suspension by the bidder.

16. TERMINATION FOR DEFAULT:

- a. The PGL may, without prejudice, to any other remedy for breach of contract, by written notice of default sent to the bidder, terminate the contract in whole or in part if:
 - i. The bidder fails to deliver any or all of the obligations within the time period(s) specified in the contract, or any extension thereof granted by the PGL.
 - ii. The bidder fails to performs any other obligation(s) under the contract.
 - iii. The Firm shall be given maximum of two opportunities of 30 days each to improve his service level and meet the obligations as per the contract.

17. TERMINATION FOR INSOLVENCY:

The PGL may at any time terminate the contract by giving written notice to the bidder without compensation to the bidder, if the bidder becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or effect any right of action or remedy which has accrued thereafter to the PGL.

18. “NO CLAIM CERTIFICATE:

The bidder shall not be entitled to make any claim, whatsoever, against the PGL under or by virtue of or arising out of this contract nor shall the PGL entertain or consider any such claim, if made by the bidder after he shall have signed a “no claim” certificate in favour of the PGL in such forms as shall be required by the PGL after the works are finally accepted.

19. DOCUMENTATION BY BIDDER IS PGL PROPERTY:

All plans, drawings, specifications, designs and other documents prepared by the bidder in the execution of the contract will be got approved from PGL and then shall become and remain the property of the PGL, and before termination or expiration of this contract, the bidder shall deliver all such documents to the PGL under the contract along with the detailed inventory thereof.

20. CONFIDENTIALITY:

The bidder and their personnel shall not, either during the term or after expiration of this contract, disclose any proprietary or confidential information relating to the services, contract or the PGL’s business or operations without the prior written consent of the PGL.

21. FOCE MAJEURE:

The Force Majeure Events shall mean one or more of the following acts or events:

- i) Acts of God or events beyond the reasonable control of the Affected Party which could not reasonably have been expected to occur such as extreme adverse weather or environmental conditions, lightning, heavy rains, cyclones, tempest, whirlwind, landslides, storms, floods, volcanic eruptions or fire (to the extent originating from a source external to the site or not designed for in construction works);
- ii) Radioactive contamination or ionising radiation;
- iii) An act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, unexpected call up of armed forces, blockade, embargo, blockade, rebellion, riot, religious strife, bombs or civil commotion, sabotage, terrorism;
- iv) Strikes or boycotts interrupting operations of the Plant;
- v) Any judgement or order of any court of competent jurisdiction or statutory authority in India made against the Company in any proceedings for the reason other than failure of the Company to comply with any Applicable Law or Clearances or on account of breach thereof, or of any contract, or enforcement of this Contract or exercise of any of its rights under this Contract by PEDDA.
- vi) Any other event or circumstance of a nature analogous to the foregoing.

22. COST OF BID PREPARATION:

The Bidder shall bear all costs associated with the preparation and submission of its Bid, including cost of presentation for the purposes of clarification of the bid, if so desired by PGL and PGL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.

The Bidder is expected to carefully examine all instructions, forms, terms and specifications in the Bid Document. Failure to furnish all information required in the Bid Document or submission of a bid not substantially responsive to the Bid Document in every respect will be at the Bidder's risk and may result in the rejection of the bid.

23. SUPPLY OF T&P, SAFETY EQUIPMENTS AND CONSUMABLES:

Except where otherwise specified the contractor shall at his own expenses supply and provide all the T&P, temporary works, material for installation, safety equipments, testing equipments etc for both for temporary and for permanent works. This will also include supervision and labour including their transport to or from the site and their staying arrangements and any other and everything required for executing the entire works.

24. NIGHT WORK AND SAFETY PRECAUTIONS:

Night work shall not be allowed. The contractor is responsible to safeguard the workmen and the public and suitable precautions shall be taken to prevent accidents and accidental falls.

25. SUB CONTRACT

The contractor shall not subcontract any portion of the contract without the prior written approval of Director, PGL.

26. COMPLIANCE TO REGULATIONS AND BYE LAWS:

The contractor shall conform to the provisions of any statute relating to his workers and the work and regulations and bye-laws of any local authority and or any Central/State Deptt. or undertaking in whose jurisdiction the work connected.

27. COMPENSATION UNDER WORKMEN'S COMPENSATION ACT:

The contractor shall be responsible for and shall pay any compensation to his workmen payable under the Workmen's Compensation Act, 1923 (VIII of 1923) or any other act applicable hereinafter called the said Act for injuries caused to the workmen. The contractor will take a policy with an Insurance Company to cover all his workers against injuries fatal/non-fatal during course of duty against Workmen's Compensation Act. The contractor shall submit a copy of the same before start of the work so that PGL is kept free from any liability.

28. OTHER CONDITIONS:

- a. Risk purchase at the cost of bidder will be made on the failure of the bidder to make supply as per Terms and Conditions. The difference of excess in cost thus incurred will be received from the bidder in a suitable manner and even from his pending bills, earnest money or security whichever is available.
- b. If the contractor or his work people, or servants shall break, deface, injure or destroy any part of a building or existing equipments, the contractor shall make the same good at his own expense.
- c. All disputes, differences, claims and demands arising under or pursuant to or touching the contract shall be referred to the arbitrator(s) as per the provisions of the arbitration Act. Such arbitration shall be held at Chandigarh.
- d. In all matters and disputes arising there under, the appropriate Courts at Chandigarh alone shall have jurisdiction to entertain and try them.
- e. Quote should be F.O.R destination.
- f. No bidder/firm or its subsidiary firm or its parent firm shall be allowed to submit alternate bids. If such bids are found by PGL, then the same and related bids shall be summarily rejected.

SECTION IV

DETAILED SCOPE OF WORK (TECHNICAL SPECIFICATIONS)

E-tender for Supply, Erection, Testing and Commissioning of one number Screw Press to be installed with the existing system at High Rate Bio-Methanation Power Generation & CBG/CO₂ Plant at Haibowal Dairy Complex, Ludhiana, Punjab on turnkey basis.

SCOPE OF WORKS:

1. Complete turnkey installation & commissioning of the 1 no. new screw press at the designated foundation in Haibowal Plant, Ludhiana including unloading, shifting & erection comprising of all civil, electrical & mechanical work.
2. The available space/foundation in the existing Dry Well & dewatering section to be used for New Screw Press. The civil work of grouting, anchoring & fastening will also be in vendor's scope.
3. The new Screw press needs to be placed on already built-up foundation on first floor of the Dewatering section building & needs to be anchored, grouted & fastened properly for vibration free & trouble-free operation. In parallel with two already installed screw press.
4. The new screw presses need to be connected with inlet, outlet, recirculation & Overflow pipelines & valves of adequate MoC, Size & Length within available space & in a systematic & aesthetic manner for the ease of operation & maintenance.
5. New Screw press pipe lines needs to be connected with existing common respective piping headers for Inlet, Outlet, Recirculation & Overflow.
6. The new screw press electrical connections needs to be done with standard cables to the nearby Motor Control Panels with all adequate controls like switch gear, contactors, fuses & MCBs of ISI & reputed make.
7. Screw press to be supplied with suitable drive, gear box, electrical switchgear, cables, control & protections.
8. PGL strongly recommends visiting site before bidding for actual Bill of materials & installation process.

SCOPE OF SUPPLY:

1. Screw Press 1 no. - Recommended make with specifications as per **Annexure I**.
2. All the pipes, flanges, bases, valves, etc. as on required basis and consumable items during erection are in vendor's scope.

The detailed engineering drawings like GA & P&ID will be approved by PGL.

SCREW PRESS:

The Separator offered will serve the purpose of separating a pump able mixture of solids and liquid with a comparatively low solid content such as for instance slurry (Max 7% Total solids). As a compact device it combines the functions of two separating devices, namely that of a sieve and of a press as well.

The Technical Specifications of the machine needs to be as under: -

Denomination	Data	Requirement / Material
Substrate input	Cow dung substrate	Suitable for max. 7.0% Total solids intake.
Manure output	65-70% moisture level output of bio manure	20 Ton per day
Auger/Screw	Screw should be of long life and less wear & tear with minimum clearance between the Sieve and Screw for higher yield and better moisture content in the separated solid.	AISI 304 /SS 304/ in SS or Engineering/ techno polymer.
Slotted Sieve/Screen	Preferred Type: For high and dry output the Sieve/Screen has to be extended Dual Type and should be of self-cleaning nature.	AISI 304 / SS 304
	Sieve / Screen mesh sizes: Main screen having options of mesh sizes from 0.25 mm,0.50 mm & 0.75 mm and adjunctive module of mesh to have options of 0.50 mm,0.75 mm & 0.90 mm to choose from.	
	Length: to accommodate with in the space the length of the screen should not extend more than 1000 mm.	
Intake housing	As per Design of offered model.	AISI 304 / SS 304
Housing/Body	As per Design of offered model.	AISI 304 / SS 304
Hopper, Feed Line & overflow end points.	Sizes As per Design of offered model	AISI 304 / SS 304
Discharge	All Flange class 150	Hot galvanized steel/ AISI 304 / SS 304
Manure exit port Type	Self-adjusting/self-regulating backpressure mechanism without any kind of external system support.	Engineering polymer Diaphragm or SS
Base frame	Included as per Design	Hot dip Galvanized steel
Motor	5.5Kw, wide range voltage motor, Voltage-options of 220-240 & 380-420, 4 pole, Insulation Class F, 50Hz, IP55, 1440 rpm. PTC Thermistor.	ISI Make / as per European standard IE-2 & EN-50262 in accordance with 2004/108/EC standards
Gearbox	Spur gear ration 50:1, RPM – 25-35,	Grey cast iron or as per OEM Design.

	Lubrication – Synthetic long drain/life type.	
Dimensions	Preferred L x B x H: 2.5 x 1.0 x 3.0 Mtrs	Within these limits
Weight	Max. 600 Kgs.	
Capacity	Between 60 m3/hr.	Maximum ever preferred.
Warranty	On all materials & mechanism	12 months

SELECTION CRITERIA:

i. TECHNICAL:

Machine Type	Screw shaft / Augur with dual type Sieve/Screen of AISI 304/ SS 304 with engineering Polymer coating for long life on screw /augur.	Y / N
Dimensions & weight	Preferred foot print within L x B x H: 2.5 x 1.0 x 3.0 Mtrs and weight Max. 600 Kgs.	Y / N
Manure exit port Type	Long life Self-adjusting / self-regulating backpressure Mechanism of Engineering Polymer without any kind of external system support like springs/counter weight.	Y / N
Material construction of	Full machine of minimum AISI 304 / SS 304	Y / N
Capacity	Min. 60 m3/hr. capacity	Y / N
Manure Output Quality	Good quality without lumps & moisture level should be between 65-75%.	Y / N
Connected Load	Maximum – 6.0 KW @ 1440 RPM & 50HZ	Y / N
Delivery & commissioning	Final Commissioning Within 45 days.	Y / N

Screw Press Supplier/Bidder must have supplied one no. of similar type machines for similar type of application and similar substrate for customers in India & should have adequate service support backup in north India.

SECTION-V

BID PROPOSAL PROFORMA's

Performa -I

BID PROPOSAL SHEET

Bidder's Proposal Reference No. & Date :
Bidder's Name & Address :
Person to be contacted :
Designation :
Telephone No. Fax No:

To:

**Director
Punjab Genco Limited,
Solar Passive Complex
Plot No. 1 & 2, Sector 33-D, Chandigarh**

This has reference to the tender no. PEDDA/PGL/2021-22/ 55

Subject: E-tender for Supply, Erection, Testing and Commissioning of one number Screw Press to be installed with the existing system at High-Rate Bio-Methanation Power Generation & CBG/CO₂ Plant at Haibowal Dairy Complex, Ludhiana, Punjab on turnkey basis.

Dear Sir,

1.0 We, the undersigned Bidders, having read and examined in detail the specifications and all bidding documents in respect of Supply, Installation & Commissioning of **E-tender for Supply, Erection, Testing and Commissioning of one number Screw Press to be installed with the existing system at High Rate Bio-Methanation Power Generation & CBG/CO₂ Plant at Haibowal Dairy Complex, Ludhiana, Punjab** do hereby propose to provide equipment as specified in the bidding document.

2.0 PRICE AND VALIDITY

- 2.1 All the prices mentioned in our proposal are in accordance with the terms as specified in bidding documents. All the prices and other terms and conditions of this proposal are valid for a period of 45 days from the last date of submission of bids.
- 2.2 We do hereby confirm that our bid prices include all taxes and cess including Income Tax.

2.3 We have studied the Clauses relating to valid Indian Income Tax and hereby declare that if any Income Tax, Surcharge on Income Tax and any other Corporate Tax is altered under the law, we shall pay the same.

3.0 EARNEST MONEY

We have enclosed the required earnest money Online in the Pre-Qualification bid envelope. It is liable to be forfeited in accordance with the provisions of bid document.

4.0 DEVIATIONS

We declare that all the services shall be performed strictly in accordance with the fine tuned Technical specifications and other bid document except the deviations as mentioned in the Technical deviation Performa (Performa-II) Further we agree that additional conditions, if any, found in the proposal documents, other than those stated in deviations Performa, shall not be given effect to.

5.0 BID PRICING

We further declare that the prices stated in our proposal are in accordance with your terms & conditions in the bidding document.

6.0 QUALIFYING DATA

We confirm having submitted in qualifying data as required by you in your bid document. In case you require any further information/documentary proof in this regard during evaluation of our bid, we agree to furnish the same in time to your satisfaction.

7.0 CONTRACT PERFORMANCE SECURITY

We hereby declare that in case the contract is awarded to us, we shall submit the performance Guarantee Bond in the form of Bank Guarantee as per terms of bid document.

7.1 We hereby declare that our proposal is made in good faith, without collusion or fraud and the information contained in the proposal is true and correct to the best of our knowledge & belief.

7.2 Bid submitted by us is properly prepared so as to prevent any subsequent alteration and replacement.

7.3 We understand that you are not bound to accept the lowest or any bid you may receive.

Thanking you,

Date

Signature

Name

Place

Seal

Particular of the Bidder

Performa for eliciting information for appraisal of company/firm capability to execute the works as per requirements of PGL Tender No. PEDA/PGL/2021-22/55

1. Name of the tendering Company/Firm	
A) Complete address of the office	
i) Telephone Number(s)	
ii) Fax Number	
iii) E. Mail Address	
iv) Name of the two responsible persons along with Designation	
B) Name, Addresses & Telephone No. of Chairman/ Managing Director/Directors/Partner/Proprietor	
i) Name	
ii) Address	
iii) Telephone/mobile Number	
i) Name	
ii) Address	
iii) Telephone/mobile Number	
i) Name	
ii) Address	
iii) Telephone/mobile Number	
2. Year of establishment of the company	
a) Private Firm or Company	
b) Registered under the companies Act/ Partnership deed, Give Registration No. & date	
3. Memorandum and Article of Association of Company/Partnership Deed as applicable	
4. Documents	
i) PAN No. & Proof of filling Income Tax Return for last three years of Company/firm	
ii) CIN No.	
iii)TAN No.	
iv)GST No.	
5. E - Processing Charges (Non-Refundable)	
Amount, Rs.	
Date	
Online Transaction No.	
i Details of EMD Rs. 60,000/- (Rupees Sixty Thousand only)	
Online Transaction No.	
Online Transaction Date	
ii Details of tender document fee (Rs. 2500/- (Rupees Twenty-Five Hundred only) Non-refundable	
Online Transaction No.	
Online Transaction Date	

Dated.

Authorized Signatory

Name: _____

Designation: _____

Address and Seal of the firm

NOTES:

- 1) Please attach additional sheets, where required.
- 2) Copies of documents attached with the Performa should be attested by the company/firm's authorized signatory with stamp mark of the company/firm.

TECHNICAL DEVIATIONS

This has reference to the tender no. PEDDA/PGL/2021-22/ 55

Subject: E-tender for Supply, Erection, Testing and Commissioning of one number Screw Press to be installed with the existing system at High Rate Bio-Methanation Power Generation & CBG/CO₂ Plant at Haibowal Dairy Complex, Ludhiana, Punjab on turnkey basis.

Dear Sir,

Following is the technical deviations & variations from the exceptions to the specifications of commissioning the **Supply, Erection, Testing and Commissioning of one number Screw Press to be installed with the existing system at High Rate Bio-Methanation Power Generation & CBG/CO₂ Plant at Haibowal Dairy Complex, Ludhiana.** These deviations and variations are exhaustive. Except these deviations and variations, the entire work shall be provided as per your specifications and documents.

Sr. No.	Clause No.	Page No.	Statement of deviations and variations
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Date	Signature
	Name
Place	Seal

CERTIFICATE

Use of new, genuine and quality components for High Voltage Section

This has reference to the tender no. PEDDA/PGL/2021-22/ 55

We hereby undertake that all the components / parts/ assembly/ equipments, etc. to be used in **Supply, Erection, Testing and Commissioning of one number Screw Press to be installed with the existing system at High-Rate Bio-Methanation Power Generation & CBG/CO₂ Plant at Haibowal Dairy Complex, Ludhiana.** shall be original, new, genuine and as per the said technical specifications from respective OEM(s) of the quoted products and will be as per applicable Indian/International Standards as applicable. It is also certified that no refurbished/ duplicate/ second-hand components/ parts/assembly are being used or shall be used.

In case we are found not complying with above indicated undertaking at the time of delivery or during installation, we allow the **Punjab Genco Limited** to take appropriate action (e.g. Forfeiture of Bank Guarantee/ EMD, etc.).

Authorized signatory

<h1>Punjab Genco Ltd.</h1>					
Price Bid/Financial Bid					
Tender No/Line No:			PEDA/PGL/2021-22/ 55		
Name of Work			E-tender for Supply, Erection, Testing and Commissioning of one number Screw Press to be installed with the existing system at High Rate Bio-Methanation Power Generation & CBG/CO ₂ Plant at Haibowal Dairy Complex, Ludhiana, Punjab on turnkey basis.		
Name of Bidder:					
Address:					
Contact Details:					
Sr.No.	Description	Qty	Rate		Amount
			Rate	Total	In figures
1.	Supply of 1 no. Screw Press. With technical specification as per Annexure-I	1. No.			
2.	Cost of Erection, testing & commissioning of complete system.	One Lot.			
			Total		
Note:	Rates to be quoted at 1 & 2 are inclusive of ED, S. Tax/Vat, Service Tax. Etc. as applicable & for Destination.				
1.	The rates shall be quoted in Indian Currency.				
2.	The rates shall include all the taxes, duties and other levies.				

Note:

1. The above Performa is for reference purpose only. EXCEL sheets can be download and uploaded by paying the document and other charges online.
2. This Performa should be part of financial bid only. If this Performa is filled and attached with technical bid, the bid will be rejected.