

**BID DOCUMENT**

**FOR**

**Repair and Renovation of Civil Works of  
200 KW Solar Photo Voltaic (SPV) Power Plant at Khatkar Kalan  
District - Shaheed Bhagat Singh Nagar (S.B.S. Nagar), Punjab.**



**Tender Specification No. – PEDA/PGL/2023-24/29**

**ISSUED BY**

**PUNJAB GENCO LTD  
Plot No. 1 & 2, Sector 33 - D,  
Chandigarh  
Tel: 0172-2646384  
(E-mail: [kulbirsingh@peda.gov.in](mailto:kulbirsingh@peda.gov.in) , [pjl@peda.gov.in](mailto:pjl@peda.gov.in))**

**NOVEMBER-2023**

## **DISCLAIMER**

1. This Bid Document No. **PEDA/PGL/2023-24/29** is not an agreement or offer by the PGL to the prospective Bidders or any other party. The purpose of this Bid is to provide the information to the interested parties and to assist them in formulation of Bid. This Bid is based on Present status of the Civil works and information available in public domain.
2. While this Bid, has been prepared in good faith, neither the PGL, nor their employees or advisors make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this Bid, even if any loss or damage is caused by any act or omissions on their part.
3. PGL reserves the right to, cancel and / or change the e - bidding process at any stage without assigning any reasons. PGL reserves the right to reject any or all of the bids received at its discretion, without assigning any reasons whatsoever.

## Notice Inviting Tender



**Punjab Genco Limited**  
**(CIN No. U40108CH1998SGC21134)**  
**(Wholly Owned Company of Punjab Energy Development Agency)**  
**Solar Passive Complex**  
**Plot No.1 & 2, Sector 33-D, Chandigarh-160034,**  
**Tel.: 0172-2646384**

E-Bids are invited for the following works:

**(Tender No. PEDA/PGL/2023-24/29)**

**REPAIR AND RENOVATION OF CIVIL WORKS OF 200 KW SOLAR PHOTO  
VOLTAIC (SPV) POWER PLANT AT KHATKAR KALAN DISTT – SHAHEED  
BHAGAT SINGH NAGAR (S.B.S. Nagar)**

The bidders are requested to submit bids for above work mentioned above as per schedule and terms & conditions mentioned below:

1.	<b>Date of uploading DNIT</b>	<b>15.11.2023</b>
2.	<b>Date of Pre – Bid Meeting</b>	<b>20.11.2023 at 11.00 A.M.</b>
3.	<b>Last date and time for submission of e-bids</b>	<b>05.12.2023 upto 4.00 P.M.</b>
4.	<b>Date and Time of opening of technical e-bids</b>	<b>07.12.2023 at 12.30 P.M.</b>
5.	<b>Cost of bid document (Rs.)</b>	<b>Rs. 2,000.00</b>
6.	<b>E- Processing fee (Rs.)</b>	<b>As applicable through online mode only.</b>
7.	<b>Earnest Money Deposit (Rs.)</b>	<b>Rs. 20,000.00</b>

1. The detailed terms and conditions and scope of work eligibility are given in the bid document, which can be downloaded from the <http://eproc.punjab.gov.in> or [www.peda.gov.in](http://www.peda.gov.in) .
2. Bidder to remain updated for any kind of notices/updates/amendments/modifications/clarifications etc. to the bid document in the website <http://eproc.punjab.gov.in> or [www.peda.gov.in](http://www.peda.gov.in) only. 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. Digital Signature is mandatory to participate in the e-tendering process. For any clarification / query regarding bid-document or its clauses, bidders can contact PGL at 0172-2646384, 8558870510, 9876051885, during office hours on

working days for any technical help regarding e-tendering process flow, please contact at E-tendering helpdesk during office hours on working days.

4. Technical / Financial Bid Forms in bid document are for reference purposes only. Bidders have to download the Bid Forms from e-tendering website <http://eproc.punjab.gov.in>) only after payment of bid document cost.
5. Corrigendum if any will be uploaded on the website <http://eproc.punjab.gov.in> or [www.peda.gov.in](http://www.peda.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**

### TENDER SUMMARY

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>DETAILS</b>
1.	Tender No.	<b>PEDA/PGL/2023-24/29</b>
2.	Bid Document Fee by online payment mode.	Rs. 2,000/- (Rupees Two Thousand Only)
3.	E- Processing Fee by online payment mode. (Non - Refundable)	As applicable for the bid.
4.	Earnest Money Deposit (EMD) by online payment mode.	Rs. 20,000/- (Rupees Twenty Thousand only)
5.	Date of uploading DNIT	15.11.2023
6.	Date of Pre – Bid Meeting	20.11.2023 at 11.00 A.M.
7.	Last date & time for submission of e-bid.	05.12.2023 upto 4.00 P.M.
8.	Date and Time of Opening of techno commercial e-bid	07.12.2023 at 12.30 P.M.
9.	Date and Time of opening of financial bid.	To be conveyed separately.

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**SECTION - 1**  
**INVITATION FOR E-TENDER**

Director PGL (Punjab Genco Ltd.), Chandigarh invites e-tenders from eligible bidders for Repair and Renovation of Civil Works of 200 KW Solar Photo Voltaic (SPV) Power Plant at Khatkar Kalan of District - Shaheed Bhagat Singh Nagar (S.B.S. Nagar), Punjab.

**GUIDELINES FOR BID SUBMISSION: -**

1. Bidder shall be an Indian organization / entity.
2. Bidder must not have been blacklisted or deregistered by any government agencies or public sector undertaking. If so the same shall be brought to the notice of the purchaser / PGL.
3. The bidder shall be deemed to have inspected the site and its surroundings and taken into account all relevant factors pertaining to the site, while preparing and submitting the bid.
4. Submission of a tender by a bidder implies that he has read this notice and all other tender documents and has made himself aware of the scope and the specifications, drawings of the work to be done and of conditions of contract and local conditions and other factors having bearings on the execution of the work.
5. The bidder has to ensure that the tender so downloaded is complete along with all corrigendum/ addendum, if any; incomplete tender shall be rejected outright. Tenders received without EMD and documents pertaining to qualifying criteria mentioned in Tender Document will be summarily rejected.
6. While all efforts have been made to avoid errors in the drafting of the tender documents, the bidders is advised to check the same carefully. No claim on account of any errors detected in the tender documents shall be entertained.
7. The bidders are requested to submit their bids prior to last date of submission in order to avoid any technical problems in accessing the website at last moments for any reason whatsoever.
8. Bidder shall submit both techno - commercial and financial bids online in electronic formats.
9. (i) The bidder will have to deposit non-refundable Bid document fee, E- Processing fee through IPG / RTGS mode along with bid.  
(ii) The bidder will also have to deposit prescribed EMD through IPG / RTGS mode only.

10. The bidder shall quote the rates in figures as well as words. In case of any discrepancy between numerical digits and words, the words shall prevail.
11. The bidders shall provide complete information at the time of submission of bid. However, if the bidders are asked to furnish any clarification / confirmation, they shall furnish the same within specified time failing which the bid shall be finalized / decided on the basis of available information. If disqualification as a result of non-submission / delay in furnishing the desired information / documents happen then PGL in no way shall be held responsible.
12. Each page of the tender documents should be stamped and signed by the person or persons submitting the tender in token of his/ their having acquainted himself/ themselves and accepted the entire tender documents including various conditions of contract. Any bid with any of the documents not so signed is liable to be rejected at the discretion of Punjab Genco Limited.
13. No reimbursement of cost of any type or on any account will be paid to persons or entities submitting their bid.
14. The successful tenderers shall have to comply with provision of contract labour (Regulation & Abolition) Act, 170 and rules appended there under if, applicable to him as applicable.
15. The tender document can be downloaded from web site <http://eproc.punjab.gov.in>\_ Details of this notification can also be seen in tender document exhibited on PEDDA/PGL website [www.peda.gov.in](http://www.peda.gov.in) but bids are to be submitted online in electronic format only on website <http://eproc.punjab.gov.in>
16. The complete bid documents and formats shall be uploaded on <http://eproc.punjab.gov.in> in time as per the proforma provided with the tender document.
17. The bidders who are interested in bidding can download tender documents from <http://eproc.punjab.gov.in> up to the stipulated date & time free of cost.
18. Bidders who wish to participate in this tender will have to register on <http://eproc.punjab.gov.in> (bidders already registered on <http://eproc.punjab.gov.in>, need not to register again for this tender). To participate in online bids, Bidders will have to procure Digital Signature Certificate as per requirement under Information Technology Act - 2000 using which they can sign their electronic bids and also get USER ID and PASSWORD.  
For any clarification / query regarding bid-document or its clauses, bidders can contact PGL at 0172-2646384, 8558870510, 9876051885 during office hours on



working days for any technical help regarding e-tendering process flow, please contact at E-tendering helpdesk during office hours on working days.

- 19 Technical Bids** will be opened on the prescribed date and time.
- 20 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.
- 21** 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.
- 22** Bids shall remain valid for **60 days** from the date fixed for opening of Technical Bids. A bid valid for a shorter period shall be rejected by the PGL.
- 23** The General terms and conditions of the BID are elaborated in Section-3.

**SECTION - 2**  
**INSTRUCTIONS TO BIDDERS (ITB)**

This section specifies the procedures to be followed by Bidders in the preparation and submission of their Bids. Information is also provided on the submission, opening and evaluation of bids and on the award of contract.

The bids have been invited for Repair & Renovation of Civil Works of 200 kw Solar Photo Voltaic (SPV) Power Plant at Khatkar Kalan – on the basis of Through Item Rates.

<b><u>I. General</u></b>	
<b>1. Eligible Bidders</b>	Eligibility of Bidders is defined in Section 5 – Qualification Criteria.
	1.1 A firm/bidder that is under a declaration of ineligibility by Punjab Genco Ltd at the date of the deadline for bid submission or thereafter, shall be disqualified.
	1.2 Government-owned entities shall be eligible only if they can establish that they (i) are legally and financially autonomous, (ii) operate under the principles of commercial law.
	1.3 Bidders shall provide such evidence of their continued eligibility satisfactory to the PGL, as the PGL shall reasonably request.
<b>2. Corrupt Practices</b>	2.1 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement processor the execution of a contract to the detriment of the PGL (Punjab Genco Ltd), includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive level. 2.2 Punjab Genco Ltd will not award the contract if it determines that the successful bidder has engaged in corrupt or fraudulent practices in competing for the contract in question. 2.3 If in the judgment of the PGL the Contractor has engaged in corrupt or fraudulent practices, in competing for or in executing the Contract, then the PGL may, after having given 14 days' notice to the Contractor, terminate the Contractor's employment under the Contract and expel the Contractor from the Site.
<b><u>II. Contents of Bidding Document</u></b>	
<b>3. Sections of Bidding Document</b>	3.1 The Notice Inviting Tender issued by the PGL shall be the part of the Bidding Document.
	3.2 The PGL is not responsible for the completeness of the Bidding Document and its addenda, if they were not obtained directly from the source stated by the PGL in the Notice Inviting Tender.

	3.3 The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding Document. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the bid.
<b>4. Clarification of Bidding Document, Site Visit, Pre-Bid Meeting</b>	4.1 The Bidder is advised to visit and examine the site with prior intimation to PGL where the plant is to be renovated and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for the provision of plant and services. The costs of visiting the site shall be at the Bidder's own expense.
	4.2 The Bidder and any of its personnel or agents will be granted permission by the PGL to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the PGL and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
	4.3 If there is any query or clarification is required on any issue that may be raised through email. The queries shall be entertained only on technical matters. <b>E-Mail – <a href="mailto:kulbirsingh@peda.gov.in">kulbirsingh@peda.gov.in</a></b>
<b>5. Amendment of Bidding Document</b>	5.1 At any time prior to the deadline for submission of bids, the PGL may amend the Bidding Document by issuing addenda.
	5.2 Any modification/amendment to the Bidding Document that may become necessary as a result of the queries raised by bidder shall be made by the PGL exclusively through the issue of a corrigendum on <a href="http://www.peda.gov.in">www.peda.gov.in</a> and <a href="http://www.eproc.punjab.gov.in">www.eproc.punjab.gov.in</a>
	5.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the PGL may, at its discretion, extend the deadline for the submission of bids.
<b><u>III. Preparation of Bids</u></b>	
<b>6 Cost of Bidding</b>	The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the PGL shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
<b>7 Cost Of Tender Document</b>	The cost of Tender Document is Rs. 2,000/-. This fee is non-refundable.

<p><b>8 Language of Bid</b></p>	<p>The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the PGL, shall be written in the English language. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages into the English language, in which case, for purposes of interpretation of the Bid, such translation shall govern.</p>
<p><b>9 Documents Comprising the Bid</b></p>	<p>The tender documents in prescribed form, duly complete and signed by authorized signatory shall be uploaded on website in following two parts:</p>
	<p><b>Techno-commercial Bid:</b>          Contains details of “TECHNO-COMMERCIAL BID” for the work of “Repair &amp; Renovation of 200 kw Solar Photo Voltaic (SPV) Power Plant - Civil Works”. This Section will contain the information and copies of related documents for prequalification requirement, techno-commercial offer but excluding the Financial Bid. <b>The bid will be rejected if Financial Bid is submitted along with Techno-Commercial bid.</b></p> <p><b>Financial Bid:</b>          Contains details of “FINANCIAL BID” for the work of “Repair &amp; Renovation of 200 kw Solar Photo Voltaic (SPV) Power Plant - Civil Works”. This section will contain only the price schedules duly filled in by the bidder.</p> <p>Technical bids will be opened first. The Section containing financial bid of only those bidders who are technically qualified will be opened on the date and time which will be uploaded on the website and will also be intimated to technically qualified and eligible bidders by suitable means. The bidders shall furnish documentary proof in support of their eligibility criteria as &amp; where required in the bid document. The PGL is not bound to award the contract to the lowest bidder and reserves the right to reject any or all the bids or withdraw tender notice without assigning any reason.</p> <p>The stamp fee to be incurred in signing/registering of Contract Agreement shall be borne by the Contractor/ bidder.</p> <p>Following documents will form part of the techno commercial bid:</p> <ol style="list-style-type: none"> <li>a. Letter of Bid (Declaration);</li> <li>b. Documentary evidence establishing the Bidder’s eligibility and qualifications to perform the contract if its Bid is accepted;</li> <li>c. Documentary evidence establishing in accordance with ITB 11 that the works and services offered by the</li> </ol>

	<p>Bidder conform to the Bidding Document;</p> <p>d. Experience list along with the performance certificates for Qualification</p> <p>e. Duly filled-in Schedules (Un-priced), using forms furnished in section-Bidding Forms.</p>
<b>10 Letter of Bid (Declaration) and Schedules</b>	The Bidder shall complete the 'Letter of Bid' (Declaration) and Financial bid, including the appropriate Price Schedules, using the relevant forms furnished in Section 9 (Bidding Forms). The forms must be completed as instructed in each form.
<b>11 Bid Prices</b>	<p>11.1 Bidders shall quote Basic Rates &amp; GST separately. On the basis of which total amount of item shall be filled in figures &amp; words.</p> <p>11.2 However, the following components or services will be provided under the responsibility of the PGL:</p> <ul style="list-style-type: none"> <li>• Electricity supply at single point, for Repair &amp; Renovation works free of cost. However, the firm shall make its own arrangement for emergency power supply and the extension etc. at its own cost.</li> <li>• Water as available at site.</li> <li>• Space around the power plant for stores and offices etc.</li> </ul> <p>11.3 Any extra item which is not covered in the Bill of Quantities and same is required to be executed at site keeping in view the site conditions the rate for that particular item shall be derived from the item of CSR-2020 with the latest applicable premium.</p> <p>11.4 If extra item which could not be derived from CSR-2020. The rate for the same will be worked out on the basis of current market rate.</p>
	11.5 The prices shall be FIRM during the pendency of the contract. There will be no price escalation if any time extension is granted by PGL for completion of work.
<b>12 Currencies of Bid and Payment</b>	The currency of the bid & payment both shall be in Indian Rupees only.
<b>13 Earnest Money Deposit (EMD)</b>	13.1 Earnest Money Deposit of Rs.20,000/- (Rs. Twenty-Thousand only) is to be paid through online IPG mode only. Scanned copies of receipts must be uploaded.
	13.2. In exceptional circumstances, prior to the expiration of the bid validity period, the PGL may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If earnest money is requested in accordance with ITB 13, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its earnest money. A

	Bidder granting the request shall not be allowed or permitted to modify its bid.
	13.3 Bids not accompanied by Earnest Money Deposit shall be rejected. If during the bid validity period, tenderer withdraws his tender, the EMD shall be forfeited.
	13.4 The earnest money of all Bidders shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required Performance bank guarantee in pursuant to ITB 25.
	13.5 The earnest money may be forfeited: <ul style="list-style-type: none"> <li>a) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bid (Declaration), except as provided in ITB 18.2 or</li> <li>b) If the successful Bidder fails to:</li> <li>c) Sign the Contract in accordance with ITB 24; or</li> <li>d) Furnish a Performance bank guarantee.</li> </ul>
<b><u>IV. Evaluation and Comparison of Bids</u></b>	
<b>14 Confidentiality</b>	14.1 Information relating to the evaluation of bids and recommendation of contract award shall not be disclosed to Bidders or any other persons not officially concerned with such process.
	14.2 Any attempt by a Bidder to influence the PGL in the evaluation of the bids or Contract award decisions may result in the rejection of its bid.
	14.3 Notwithstanding from the time of bid opening to the time of Contract award, if any Bidder wishes to contact the PGL on any matter related to the bidding process, it should do so in writing/e-mail.
<b>15 Clarification of Bids</b>	15.1 To assist in the examination, evaluation, and comparison of the Technical and Financial Bids, and qualification of the Bidders, the PGL may, at its discretion, ask any Bidder for a clarification of its bid. Any clarification submitted by a Bidder that is not in response to a request by the PGL shall not be considered. The PGL's request for clarification and the response shall be in writing.
	15.2 If a Bidder does not provide clarifications of its bid by the date and time set in the PGL's request for clarification, its bid may be rejected.

<b>16 Deviations, Reservations, and Omissions</b>	<p>During the evaluation of bids, the following definitions apply:</p> <p>16.1 “Deviation” is a departure from the requirements specified in the Bidding Document;</p> <p>16.2 “Reservation” is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document; and</p> <p>16.3 “Omission” is the failure to submit part or all of the information or documentation required in the Bidding Document.</p>
<b>17 Examination &amp; Evaluation of Technical Bids</b>	<p>The PGL shall examine the Technical Bid to confirm that all documents and technical documentation requested in ITB Clause 9 have been provided, and to determine the completeness of each document submitted. If any of these documents or information is missing, the Bid may be rejected. For evaluation, the compliance with the specifications &amp; conditions of bidding document shall be considered.</p>
<b>18 Qualification of the Bidder</b>	<p>18.1 The PGL shall determine to its satisfaction during the evaluation of Technical Bids whether Bidders meet the qualifying criteria specified in Section-5 (Qualification Criteria).</p>
	<p>18.2 The determination shall be based upon an examination of the documentary evidence of the Bidder’s qualifications submitted by the Bidder, pursuant to ITB following can also be performed:</p> <p>(a) Verification of past performances.</p> <p>(b) Inspection of Bidder’s or his subcontractor’s works.</p>
	<p>18.3 An affirmative determination shall be a prerequisite for the opening and evaluation of a Bidder’s Financial Bid. A negative determination shall result into the disqualification of the Bid.</p>
<b>19 Examination &amp; Evaluation of Financial Bids</b>	<p>19.1 The PGL shall examine the financial Bid to confirm that all documents and schedules requested in the bid have been provided and to determine the completeness of each document submitted. If any of these documents or information is missing, the Bid may be rejected.</p>
	<p>19.2 Loading on any other account as may be deemed necessary in the opinion of PGL to bring the various offers at par to each other for comparison purposes, may be done at the discretion of the PGL.</p>
<b>20 Comparison of Bids</b>	<p>The PGL shall compare Bids to determine the lowest evaluated bid, in accordance with ITB 17, 18 &amp; 19.</p>

<p><b>21 PGL's Right to Accept Any Bid, and to Reject Any or All Bids</b></p>	<p>The PGL reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders except bid document fee and e-processing.</p>
<p><b><u>V. Award of Contract</u></b></p>	
<p><b>22 Award Criteria</b></p>	<p>22.1 Subject to clause 23, the PGL shall award the Contract to the Bidder whose offer (as per scope) has been determined to be the lowest evaluated bid on the basis of Through Item Rates discount offered by the bidder.</p>
	<p>22.2 The PGL reserves the right to accept any of the deviations submitted by the lowest evaluated bidder, at the financial shown for the deviation in the bid.</p>
<p><b>23 Notification of Award</b></p>	<p>23.1 Prior to the expiration of the period of bid validity, the PGL shall notify the successful Bidder, in writing, that its bid has been accepted.</p>
	<p>23.2 Until a formal contract is prepared and executed, the notification of award shall constitute a binding Contract.</p>
<p><b>24 Signing of Contract</b></p>	<p>24.1 Promptly after notification, the successful Bidder shall have to enter into a contract agreement with the PGL as per General and special conditions of contract and other conditions attached with the bid specifications.</p> <p>24.2 For signing the contract, a duly authorized representative of the successful Bidder shall be required to sign and accept the contract at Chandigarh within Ten (10) days failing which it shall be considered that he is not interested in accepting the offer and action as deemed fit shall be taken by PGL without making any further correspondence with successful Bidder.</p>
<p><b>25 Performance bank guarantee</b></p>	<p>25.1 After the receipt of notification of award from the PGL, the successful Bidder shall furnish performance Guarantee of <b>3%</b> of contract value including GST towards successful completion of the works in accordance with the requirement of relevant standards within 2 weeks.</p> <p>The above guarantee shall remain valid for <b>10 (Ten) calendar months</b> from the date of Letter of Award. The performance Guarantee will be discharged by the PGL and returned to the Contractor within <b>30 (thirty) days</b> following the date of completion of the Contractor's performance obligations under the Contract and expiry of warranty period.</p>



	25.2 Failure of the successful Bidder to submit the above-mentioned Performance Bank Guarantee or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the earnest money. In that event the PGL may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the PGL to be qualified to perform the Contract satisfactorily.
	25.3 The earnest money deposited by the successful bidder shall be refunded immediately on submission of the performance bank guarantee.
<b>26. Completion Period</b>	120 days from the date of Letter of Award of work.
<b>27. Warranty</b>	<ul style="list-style-type: none"> <li>a. The bidder/firm will be responsible for a comprehensive warranty of six months from date of completion of work.</li> <li>b. In case of default, the PGL will have the right to arrange maintenance at the risk and cost of the bidder/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 bidder/firm.</li> </ul>
<b>28. Salvaged Material</b>	The salvaged material is the property of PGL. The bidder shall have no right to sale or dispose the salvaged material.

**SECTION - 3**  
**GENERAL CONDITIONS OF CONTRACT**

<b>A. General</b>	
<b>i. Definition of Terms</b>	<p>In construing these General Conditions and annexed Specification, the following words shall have the meaning herein assigned to them unless there is anything in the subject or context inconsistent with such construction.</p> <p>The “Purchaser” or “PGL” shall mean the PGL and shall include his successors and assigns.</p> <p>The “Contractor” shall mean the bidder/ tenderer whose tender shall be accepted by the Purchaser and shall include such Tenderer’s heirs, legal representatives, successors and assigns.</p> <p>The “Sub-Contractor” shall mean the person named in the contract for any part of the work for any person to whom any part of the Contract has been sublet with the consent in writing of the Engineer and the heirs, legal representatives, successors and assigns of such person.</p> <p>The “Engineer” shall mean the officer placing the order for the work with the Contractor and such other officer as may be duly authorized and appointed in writing by the Purchaser to act as Engineer for the purposes of the contract and in case where no such officer has been so appointed, the Purchaser or his duly authorized representative.</p> <p>“Plant”, “Equipment”, “Material”, “Work”, or “Works” shall mean respectively the plant and materials to be provided and work or works to be done by the Contractor under the contract.</p> <p>The “Contract” shall mean and include the General Conditions, special conditions, Technical Specifications, Schedules, Form of Tender, covering letter, Schedule of Prices Specifications and Drawings and the Agreement to be entered into under clause 3 of these General Conditions.</p> <p>The “Specification” shall mean the Specification annexed to these General Conditions and the Schedules thereto (if any).</p> <p>The “Site” shall mean the site of the proposed work as detailed in the Specification or any other place where work is to be executed under the Contract.</p> <p>“Commercial Use” shall mean that use of the work which the contract contemplates or of which it is commercially capable.</p> <p>“Month” shall mean calendar month.</p>

	<p>“Writing” shall include any manuscript, typewritten or printed statement, under or over signature or seal, as the case may be. Words importing persons shall include Firms, Companies, Corporations, and other bodies whether incorporated or not.</p> <p>Words importing the singular only shall also include the plural and vice versa where the context requires.</p>
<b>ii. Contractor to inform himself fully</b>	The Contractor shall be deemed to have carefully examined the General Conditions, Specifications, Schedules and Design & Drawings. If he shall have any doubt as to the meaning of any portion of these General Conditions, or of the Specification he shall, before signing the Contract, set forth the particulars thereof and submit them to the Engineer in writing, in order that such doubt may be removed.
<b>iii. Contract</b>	<p>A formal agreement shall, if required by the Purchaser, be entered into between the Purchaser and the Contractor for the proper fulfillment of the Contract.</p> <p>After the tender has been accepted by the Purchaser all order or instructions to the contractor shall, except as herein otherwise provided, be given by the Engineer on behalf of Purchaser.</p>
<b>iv. Subletting of Contract</b>	The Contractor shall not, without consent in writing of the Engineer or Purchaser, which shall not be unreasonably withheld, assign or sublet his Contract, or any substantial part thereof other than for raw materials, for minor details, or for any part of the work of which the makers are named in the Contract provided that any such consent shall not relieve the Contractor from any obligation, duty or responsibility under the Contract.
<b>v. Quality of materials</b>	The works shall be constructed/completed in the best and most substantial and most workmanlike manner and with materials of the best or of approved qualities for their respective uses.
<b>vi. Negligence</b>	If the Contractor shall neglect to execute the work with due diligence and expedition, or shall refuse or neglect to comply with any reasonable orders given to him in writing by the Engineer in connection with the work, or shall contravene any provision of the Contract, the Purchaser may give <b>seven day</b> notice in writing to the Contractor, to make good the failure, neglect, or contravention complained of, and if the Contractor shall fail to comply with the notice within a reasonable time from the date of service thereof, in the case of a failure, neglect, or contravention capable of being made good within that time, then in such case the Purchaser shall be at liberty to employ other workmen, and forthwith perform such work as the Contractor may have neglected to do, or if the Purchaser shall think fit, it shall be lawful for him to take the work wholly or in part, out of Contractor’s hands and give it to another person on contract at a reasonable price or provide any other materials, tools, tackle or labour for the purpose of completing the work or any part thereof and in that event the Purchaser shall without being responsible to the Contractor for fair wear and tear of the same, have the free use of all the materials, tools, tackle or

	<p>other things which may be on the site, for use at any time in connection with the work to the exclusion of any right of the Contractor over the same and the Purchaser shall be entitled to retain and apply any balance which may be otherwise due on the Contract by him to the Contractor or such part thereof as may be necessary to the payment of the cost of executing such work as aforesaid.</p> <p>If the cost of executing the work as aforesaid shall exceed the balance due to the Contractor and Contractor fails to make good the deficiency, the Purchaser may recover it from the Contractor in any lawful manner or the Purchaser may sell the said materials, tools, tackle or other things belonging to the Contractor and the proceeds such sale shall be applied towards the payment of such deficiency and the cost of and incidental to such sale and any balance remaining after crediting the same shall be paid to the Contractor on the certificate of the Engineer, provided that when all expenses, costs and charges incurred in the completion of the work are paid by the Contractor, all such materials, tools, tackle or other things remaining unsold shall be removed by the Contractor.</p>
<p><b>vii. Deaths Bankruptcy etc.</b></p>	<p>If the Contractor shall die or commit any act of Bankruptcy or being a corporation commence to be wound up except for reconstruction purposes or carry on its business under a Receiver, the executors, successors, or other representative in law of the estate of the Contractor or any such Receiver, liquidator or any person in whom the contract may become vested, shall forthwith give notice thereof in writing to the Purchaser and shall for one month, during which he shall take all reasonable steps to prevent a stoppage of the works, have the option of carrying out the contract, subject to his or their providing such guarantee as may be required by the Purchaser, but not exceeding the value of the work, for the time being remaining unexecuted. In the event of stoppage of the works, period of the option under this clause shall be <b>fourteen days</b> only, provided that, should the above option not be exercised, the contract may be determined by the purchaser by notice in writing to the contractor, and the purchaser may exercise the same power which he could exercise and will have the same rights which he would have under the last preceding clause if the work had been taken out of the contractor's hands under that clause.</p>
<p><b>viii. Inspection and Testing.</b></p>	<p>The Engineer and his duly authorized representatives, shall have at all reasonable times access to the Contractor's premises and shall have, the powers at all reasonable times, to inspect and examine the materials and workmanship of the works during its construction.</p> <p>The Engineer shall, on giving <b>seven day's</b> notices in writing to the Contractor setting out any ground of objections which he may have in respect of the work, be at liberty to reject all or any work or workmanship connected with such work, which, in his opinion, are not in accordance with the Contract, or are, in his opinion, defective for any reason whatsoever: Provided that, if such notice be not sent to the Contractor within reasonable time after the grounds upon which such notice is based have come to the knowledge of the</p>

	Engineer, he shall not be entitled to reject the said works or workmanship on such grounds.
<b>ix. Access to site and work on site</b>	<p>Suitable access to and possession of the site shall be afforded to the Contractor.</p> <p>The Contractor shall permit the execution of work by other contractors or tradesmen whose names shall have been previously communicated in writing to the Contractor by the Engineer, and afford them every facility for the execution of their several works simultaneously with his own.</p>
<b>x. Engineer's Supervision</b>	All the works shall be carried out under the direction and to the reasonable satisfaction of the Engineer.
<b>xi. Engineer's decision</b>	In respect of all matters, which are left to the decision of the Engineer, including the granting or withholding of certificates, the Engineer shall, if required by the Contractor, give in writing a decision thereon and his reasons for such decision. If the decision is not accepted by the Contractor, the matter shall be referred for adjudication to Managing Director Punjab Genco Ltd. Or any other person nominated by him on his behalf and his decision in writing shall be final, binding and conclusive.
<b>xii. Contractor's representative and workmen</b>	<p>The representative, or if more than one shall be employed, then one of such representatives shall be present on the site during working hours and any written orders or instructions which the Engineer or his duly authorized representative whose name shall have been previously communicated in writing to the Contractor may give to the said representative of the Contractor shall be deemed to have been given to the Contractor.</p> <p>The Engineer shall be at liberty to object to any representative or person employed by the Contractor in the execution of or otherwise about the works who shall in his opinion misconduct himself or be incompetent or negligent and the Contractor shall remove the person so objected to upon receipt from the Engineer of notice in writing requiring him so to do and shall provide in his place a competent representative at the Contractor's expense.</p>
<b>xiii. Liability for accidents and damage</b>	The Contractor shall be responsible for the loss, damage of the works or any damage to the plant & machinery or any loss to men & materials due to accidents/mishaps etc. during the execution of civil works.
<b>xiv. Replacement of defective works</b>	If during the progress of the work the Engineer decide and notify in writing to the Contractor that the Contractor has executed any unsound or imperfect work or has supplied any materials inferior in quality to that specified, the contractor, on receiving details of such defects or deficiency shall, at his own expense, within such time as may be reasonably necessary for making it good, proceed to alter, reconstruct or remove such work, or supply fresh materials up to the standard of the specification, and in case the Contractor shall fail to do so, the purchaser may, on giving the Contractor <b>seven days'</b> notice in writing of his intention to do so, proceed to remove the work complained of and at the cost of the Contractor, perform all such works or supply all such materials, provided that nothing in

	<p>this clause shall be deemed to deprive the purchaser of or affect any rights under the Contract which he may otherwise have in respect of such defects or deficiencies.</p>
<p><b>xv. Deduction from contract price</b></p>	<p>All costs, damages or expenses which the purchaser may have paid, for which under the Contract the Contractor is liable, may be deducted by the Purchaser from any money due or which may become due by him to the Contractor under this contract, or may be recovered by suit or otherwise from the contractor.</p> <p>Any sum of money due and payable to the Contractor (including security deposit returnable to him under this contract) may be appropriated by the Purchaser and set off against any claim of the Purchaser for the payment of a sum of money arising out of or under any other contract made by the contractor with the Purchaser.</p>
<p><b>xvi. Certificates of Engineer</b></p>	<p>Every application to the Engineer for a certificate must be accompanied by a detailed invoice (in duplicate) setting forth in the order of the Schedule of prices, particulars of the work done/plant supplied and the certificates as to such work/plant as is in the reasonable opinion of the Engineer, in accordance with the Contract shall be issued within <b>fourteen days</b> of the application for the same. As is reasonably necessary on communication with the site.</p> <p>The Engineer may, by any certificate, make any correction or modification in any previous certificate which shall have been issued by him and payments shall be regulated and adjusted accordingly.</p>
<p><b>xvii. Certified not to effect rights of the Purchaser or contractor</b></p>	<p>No certificate of the Engineer on account, nor any sum paid on account by the Purchaser, nor any extension of time granted under clause xviii of General Conditions of Contract shall affect or prejudice the rights of the Purchaser against the Contractor, either under this Agreement or under the law, or relieve the Contractor of his obligations for the due performance of the contract, or be interpreted as approval of the work or of the material supplied. No certificate of the Engineer shall create liability on the purchaser to pay for any alternation, amendments, variations or additions not ordered in writing by the Engineer or absolve the Contractor of his liability for the payment of damages whether due, ascertained, or certified or not or of any sum against the payment of which he is bound to indemnify the Purchaser nor shall any such certificate nor the acceptance by him of any sum paid on account or otherwise affect or prejudice the rights of the Contractor against the Purchaser, under this agreement or under the law.</p>
<p><b>xviii. Extension of time for completion</b></p>	<p>The time given to the Contractor for completion of civil works shall be reckoned from the date of receipt of the order by the Contractor, together with all necessary information and drawings, to enable the work to be put in hand. In all cases in which progress shall be delayed by strikes, lockouts, fire accidents, defective materials, delays in approval of drawings or any cause whatsoever beyond the reasonable control of the Contractor and whether such delays or impediment shall occur before or after the time or extended time, a</p>

	reasonable extension of time shall be granted.
<b>xix. Regulations of Local Authorities</b>	The Purchaser shall, throughout the continuance of the Contract and in respect of all matters arising in the performance thereof, serve all notices and obtain all consents, way-leaves, approval and permission required in connection with the regulations and by-laws of any local or other authority which shall be applicable to the works.
<b>xx. Arbitration</b>	<p>If any dispute, difference or controversy shall at any time arise between the contractor on the one hand and the Punjab Genco Limited and the Engineer of the contract on the other touching the contract or as to the true construction, meaning, and intent or any part or condition of, or payment for the same or as to the true intent, meaning, interpretation, construction or effect of the clauses of the contract, specifications or drawings any of them or as to anything to be done, committed or suffered in pursuance of the contract or specifications or as to the mode of carrying the contract into effect, or as to the breach or alleged breach of the contract or as to obviating or compensating for the commission of any such breach or as to any other matter or thing, whatsoever connected with or arising out of the contract and whether before or during the progress or after the completion of the contract, such question, difference or dispute shall be referred for adjudication to Managing Director, Punjab Genco Ltd. or to any other person nominated by him in this behalf and his decision in writing shall be final, binding and conclusive. This submission shall be deemed to be a submission to arbitration within the meaning of the Indian Arbitration. Act or any statutory modification thereof. The arbitrator may from time to time with consent of the parties enlarge the time for making and publishing the award.</p> <p>Upon every or any such reference, the costs of, an incidental to the reference and award respectively shall be in the discretion of the arbitrator, who shall be competent to determine the amount thereof or direct the same to be taxed as between solicitor and client or as between parties and to direct by whom and to whom and in what manner the same shall be borne and paid.</p> <p>Work under the contract shall, if reasonably possible, continue during the arbitration proceedings and no payments due or payable to the contractor shall be withheld on account of such proceedings.</p>
<b>xxi. Construction of contract</b>	The Contract shall in all respects be construed and operate as a Contract as defined in the Indian Contract Act, 1872, and all payments there under shall be made in rupees unless otherwise specified.
<b>xxii. Marginal notes</b>	The marginal note to any clause of this Contract shall not effect or control the construction of such clause.

**SECTION – 4**  
**SPECIAL CONDITIONS OF CONTRACT**

<b>1. Scope</b>	Scope of work includes Repair /Execution of civil works pertaining to Civil works of 200KW SPV Power Plant at Village Khatkar Kalan of District SBS Nagar.
<b>2. Delivery/ completion of works</b>	2.1 The commencement of project completion period shall be counted from the date of Letter of Award of work.
	2.2 The completion period shall be <b>4 months</b> counted from the date of Letter of Award of work.
<b>3. Compliance with Laws Rules, Regulations</b>	All works shall be executed in accordance with the requirement of relevant standards.
<b>4. Assignment, Subletting of Contract and Purchased Items</b>	4.1 The Contractor shall not, without consent in writing of the Engineer or PGL, which shall not be unreasonably withheld, assign or sublet his Contract or any substantial part thereof other than for raw materials, for minor details, or for any part of the work of which the makers are named in the Contract provided that any such consent shall not relieve the Contractor from any obligation, duty or responsibility under the Contract.
	4.2 Pursuant to sub-clause 4.1 above, the Contractor shall give a written request to the Purchaser's Representative for sub-letting or assignment any part of works at least 7 days in advance of the proposed date of sub-letting. Such request for sub-letting or assignment shall contain: Contractor's certification regarding the financial soundness of the proposed transferee, assignee or sub-contractor for the work, Its scope and estimated value in relation to the Contract Price,  Experience of the transferee, assignee or sub-contractor in the related areas of work,  The manpower, equipment, material and other resources available with the transferee, assignee or sub-contractor for the work.
	4.3 Within <b>5</b> days of the date of receipt of request for consent, Purchaser's Representative shall either give in writing Consent there of or communicate refusal. In the event of Purchaser's Representative failing to communicate the refusal within the above said <b>five</b> days period, the Contractor shall be entitled to proceed as if Purchaser's Representative had granted consent to such request.



	<p><b>4.4</b> Notwithstanding any transfer, assignment or sub-letting with the approval of Purchaser's Representative as aforesaid, the Contractor shall be and shall remain solely responsible and liable to the Purchaser for the quality, proper and expeditious execution and performance of the works and for due performance and observance of all the conditions of the contract in all respects, as if such transfer, assignment or sub-letting has not taken place and as if the work so transferred, assigned or sublet has been done directly by the Contractor.</p>
	<p><b>4.5</b> If any such transferee, assignee or Sub-Contractor engaged upon the works, executes any work, which in the opinion of the Purchaser's Representative is not in accordance with the contract, the Purchaser's Representative may by written notice to the Contractor request him to terminate such sub-Contract and the Contractor upon the receipt of such notice shall terminate such sub-Contract and dismiss such Sub-Contractor and the <b>latter</b> shall forthwith leave the works failing which the Purchaser's Representative shall have the right to remove such Sub-Contractor from the site. In such cases no liability whatsoever will be attached to the Purchaser, nor will Purchaser bear the cost of such sub-contract.</p>
	<p><b>4.6</b> In case of any equipment/items offered by the bidder which are not of own make, it would be ensured by him that such equipment/items are procured only from reputed manufactures. The details of manufacturers of all such bought out items would be furnished by the bidder in his offer. The concerned material would only be procured after approval of manufacturer from the purchaser.</p>
<p><b>5.Performance Security</b></p>	<p>After the receipt of notification of award from the PGL, the successful Bidder shall furnish performance Guarantee of <b>3%</b> of contract value including GST towards successful completion of the works in accordance with the requirement of relevant standards within 2 weeks.</p> <p>The above guarantee shall remain valid for <b>10 (Ten) calendar months</b> from the date of Letter of Award. The performance Guarantee will be discharged by the PGL and returned to the Contractor within <b>30 (thirty) days</b> following the date of completion of the Contractor's performance obligations under the Contract and expiry of warranty period.</p> <p>The performance Guarantee shall be in the form of a bank guarantee issued by a Scheduled banks in India duly executed on non-judicial stamp paper of requisite value.</p> <p>In the event of default on the part of Contractor in the faithful execution of performance/guarantee obligations, the Performance Guarantee shall be forfeited and discharged by the Purchaser as compensation for any loss resulting from</p>

	<p>the Contractor's failure to complete its obligations under the Contract.</p> <p>The forfeiture of Performance Security shall be without prejudice to any other rights arising or accruing to the Purchaser under relevant provisions of the Contract like penalty/damages for delay in delivery or risk execution of work including suspension of business dealing with the Purchaser for a specific period.</p>
<b>6. Change in Constitution of Firm and Address</b>	Any change in the constitution and addresses of the Bidding firm and its Partners shall be forthwith notified by the Contractor to Punjab Genco Ltd. in writing for information and necessary action.
<b>7. Sufficiency of Project Information</b>	<p>The Contractor shall be deemed to have carefully examined the Conditions, Specifications, Schedules and Drawings. If he shall have any doubt as to the meaning of any portion of these Conditions, or Specifications he shall, before signing the Contract, set forth the particulars thereof and submit them to the Engineer in writing, in order that such doubt may be removed.</p> <p>The data and information given in Tender Document are based on the information available from project site. The Contractor shall satisfy himself about the adequacy of the said data/information and interpretation there-of and if necessary, carry out further investigation at his own cost. Thus, Punjab Genco Ltd. shall not be responsible for inadequacy of the said data/information and interpretation thereof by the Contractor.</p>
<b>8. Price Variation, Taxes, Duties &amp; Levies etc.</b>	<p>8.1 Bidders shall quote Basic Rates &amp; GST separately. On the basis of which total amount of item shall be filled in figures &amp; words.</p> <p>8.2 Any extra item which is not covered in the Bill of Quantities and same is required to be executed at site keeping in view the site conditions the rate for that particular item shall be derived from the item of CSR-2020 with the latest applicable premium.</p> <p>8.3 If extra item which could not be derived from CSR-2020. The rate for the same will be worked out on the basis of current market rate.</p> <p>8.4 The prices shall be FIRM during the pendency of the contract. There will be no price escalation if any time extension is granted by PGL for completion of work.</p>

<p><b>9. Materials and Workmanship</b></p>	<p>All works and materials supplied under the Contract will be new, free from defects and of the respective kinds, grades and specifications described in the Contract as well as conforming to the provisions of relevant Indian Standards codes and shall be subjected from time to time to all necessary tests at the place of manufacture, fabrication or at the Site. The tests shall be carried out as per relevant IS code and/or as detailed in technical specifications. The Contractor shall provide, at his cost such assistance, instruments, machines, labour and materials as are normally required for examining, measuring and testing any work and the quality, weight or quantity of any material used and shall supply samples of materials before incorporation in the Works for testing, as may be selected and required by the Engineer. The cost of carrying out all the tests shall be borne by the Contractor.</p>
<p><b>10. Delays in the Contractor's Performance &amp; Penalty on account of delay</b></p>	<p>10.1 Penalty shall be payable as follows:</p> <p>A penalty of 1% of contract value of the work including GST will be applicable for each month of delay in completion of the works subject to max limit of <b>2%</b> of Contract value.</p> <p>10.2 In case the delay in the completion of the work is due to the reasons not attributable to the Contractor, the Contractor shall not be liable to pay any Penalty due to delay and the completion period shall be extended accordingly.</p> <p>10.3 Purchaser shall have the right to terminate the Contract only upon material breach of the provision of the Contract.</p> <p>Upon such termination due to Contractor's default, PGL shall pay to the Contractor the balance amount due to him after adjustments of Contractor liabilities (if any).</p>

<p><b>11. Force Majeure</b></p>	<p>11.1 If at any time during the continuance of the work the performance in whole or in part by either party of any obligation under this contract, shall be prevented or delayed by reasons of any war, hostility, acts of public enmity, terrorism, Civil Commotion, sabotage, floods, explosion, epidemics, fire, other acts of God or any other event which are beyond the reasonable control of the PGL or of the Contractor, (hereinafter referred to as eventualities) then, provided notice of the happening of any such eventuality is given by either party to the other within <b>15 days</b> from the date of occurrence thereof, neither party shall by reasons of such eventuality be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance and construction of work under this contract shall be resumed as soon as practicable after such eventuality has ceased. Appropriate extension in time of completion shall be granted.</p> <p>11.2 The Contractor shall not be liable for delays in performing his obligations resulting directly or indirectly from any of force Majeure causes. Dates of shipment shall, subject as hereinafter provided, be extended, by a reasonable time. If any such delay lasts for more than <b>2 (two) months</b>, the parties, hereto, shall immediately consult with one another for purpose of agreeing upon a reasonable basis on which the Contractor shall resume the unfinished work and if the parties do not agree upon a solution of the problem (including adjustment of the price, such price adjustment being both upwards and downwards), then either party may, by written notice cancel that portion of the equipment which is delayed. If the PGL is the canceling party, the Purchaser shall be obliged to pay cancellation charges and if so, amount of such charges, shall be decided by the Arbitrator as herein provided. If the Contractor is canceling party, the PGL shall not be obliged to pay any cancellation charges. All the provisions of this clause shall apply where the disruption caused is total or partial in its effect upon the ability of the Contractor to perform.</p>
<p><b>12. Staff &amp; Labour</b></p>	<p>12.1 The contractor shall comply with all legislations and rules of State and /or Central Government or Other Local Authority formed from time to time governing the protection of health, sanitary arrangements, wages, Provident Fund, welfare and safety for labour directly or indirectly employed on construction works. The rules and other statutory obligations with regard to fair wages, welfare and safety measures including insurance etc, maintenance of register etc. shall be deemed to be part of the contract.</p> <p>12.2 The age limit for employment of labour shall be strictly in accordance with the existing labour rules and Regulations.</p> <p>12.3 The Contractor shall comply with the provisions of the</p>

Minimum Wages Act 1948 and the rules made there-under by the Government of Punjab in respect of all employees employed by him or in carrying out this contract. He shall pay the employees' wages not less than the minimum rates of wages, if any, fixed by the Government of Punjab, Department of Labour and Employment for that category (including wages payable for weekly holidays contemplated under the minimum wages act of Punjab read with the applicable Rules for minimum wages).

12.4 The contractor shall at all times indemnify the purchaser against all claims arising out of provisions of the Minimum Wages Act 1948 and the Rules framed there under as admissible in respect of any workman employed by the contractor in carrying out the contract and against all costs and expenses and penalties incurred by the purchaser in this connection. Without prejudice to other means of recovery, the purchaser shall be entitled to deduct from any money due or become due to the contractor all moneys paid or payable by the purchaser by way of wages and other dues (including compensation, penalty if any imposed for committing breach of any provision of the Act by the Contractor) in connection with any claim thereto and the contractor shall abide by the decision of the purchaser as to the sum payable by the contractor under the provisions of this clause.

The contractor shall provide at his own cost reasonable amenities for securing proper working and living conditions such as water supply, lavatories, bathing places cleanliness, etc. to the labour directly or indirectly employed on the works. Where the labour is employed, urinals/ lavatories will be provided separately by the contractor for male and female workers as well as creches for the infant children of labour.

Labour engaged on hazardous jobs and occupations will be provided with necessary safety appliances by contractor, free of charge.

- a. The contractor's establishment will be subject to inspection, investigation etc. by the Engineer or by Engineer's Representative or such other Representatives of the purchaser as duly authorized on his behalf by him for assuring proper and faithfully compliance of the provisions of this contract by the Contractor with regard to the implementation of labour laws and other matters anticipated herein.
- b. The contractor shall abide by the decisions and orders of the Engineer with regard to any such matter and furnish, if required, necessary compliance report within the stipulated time.
- c. Contractor shall be responsible for the observance of the

	<p>provisions of above para by sub-contractors employed by him in the execution of the contract.</p> <p>d. No adjustment in contract price shall be made for any rise or fall in the cost of labour Goods and other inputs to the plant and the works.</p> <p>e. The Contractor shall not, otherwise than in accordance with the Laws of the Country, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or allow importation, sale, gift, barter or disposal by Contractor's Personnel.</p> <p>12.5 The Contractor shall not give, barter or otherwise dispose of to any person, any arms or ammunition of any kind, or allow Contractor's Personnel to do so.</p> <p>12.6 The Contractor shall respect the Country's recognized festival, days of rest and religious or other customs.</p>
<b>13. TERMS OF PAYMENT</b>	
	<p>Subject to any deductions from the contract price as per Contract, the contractor shall be entitled to receive the contract price in the following manner.</p> <ol style="list-style-type: none"> <li><b>An advance of 20% of contract value will be released against bank guarantee of 110% amount of advance after acceptance of work order and submission of Performance Bank Guarantee.</b></li> <li>The contractor shall raise the bills to PGL as per the BOQ for the works executed and PGL shall release balance 80% due payment after verification/checking the bills.</li> <li>All payments shall be released directly by the PGL to the contractor through direct bank transfer except as otherwise provided in the contract.</li> </ol>
<b>14. Quality of Materials</b>	The works shall be constructed in the best and most substantial and most workmanlike manner and with materials of the best or of approved qualities for their respective uses.
<b>15. Power to Vary or Omit Work</b>	The Item of works/quantities against any item specified in the BOQ may vary upto any extent.
<b>16. Certificate of Completion of Works</b>	Before taking over any part of the works, the purchaser shall issue a certificate of completion based on acceptable quality and workmanship of the various works including dimensional accuracy.

<p><b>17. Contractor to Keep Site Clear</b></p>	<p>During the progress of the works, contractor shall keep the site reasonably free from all unnecessary obstruction and shall store or subject to approval from the Engineer and subject to the conditions, if any, imposed by the Government of India or the State Government of Punjab or any of its officers, dispose of any construction equipment and surplus materials and from time to time clear away and remove from the site any wreckage, rubbish or temporary works no longer required.</p>
<p><b>18. Clearance of Site on Completion</b></p>	<p>On the completion of the works, the contractor shall clear away and remove from the site all the remaining construction equipment surplus materials, rubbish and temporary works of every kind and leave the whole site and works of every kind clean and in a workmanlike condition to the satisfaction of the Engineer. The old plant/goods which are replaced by the new ones, shall be stored in Purchaser's stores allocated by the Engineer for this purpose and handed over to the Engineer.</p>
<p><b>19. Co-Operation with PGLs Consulting Engineers</b></p>	<p>19.1 The PGL/PGL's representative may appoint consulting engineers to work on their behalf.  19.2 The Contractor shall agree to co-operate with the PGL's consulting engineers and freely exchange with them such technical information as is necessary to obtain the most efficient and economical design. However, the Contractor shall do all correspondence with the Consultants in respect of such exchange of technical information through PGL Representative only.</p>
<p><b>20. Miscellaneous</b></p>	<p>Necessary stores required at site shall be constructed by the contractor at his own cost.</p> <p>The contractor shall be fully responsible for arranging the required tools and tackles.</p> <p>Following components or services will be provided by the PGL:</p> <ol style="list-style-type: none"> <li>1. Space around the project, free of cost, for stores and offices etc.</li> <li>2. Electricity supply at single point, for Repair &amp; Renovation works free of cost. However, the firm shall make its own arrangement for emergency power supply and the extension etc. its own cost.</li> <li>3. Water as available at site.</li> </ol> <p>The Contractor shall ensure that all personnel employed do not stray into other areas. Any injury caused due to this shall be the sole responsibility of the contractor.</p> <p>The contractor shall ensure that all the workmen and supervisors engaged by him or by his sub-contractor are provided with proper safety appliances. Any violation in safety provisions or failure to maintain safe working conditions will lead to serious penalty on the contractor and finally may lead to termination of the contract.</p>

	<p>The contractor shall ensure that skilled labours required for specific works have necessary trade certificates and adequate experience of the job.</p> <p>When the work is carried out in the obscure daylight or night, adequate arrangements for flood lighting in the working area shall be made by the contractor at his own cost.</p> <p>The safety poster/regulation for prevention of accidents shall be displayed by the contractor at appropriate places. Notices and warning signs shall be displayed for all sources of danger at places and in a manner that the same attract attention of the personnel.</p>
<p><b>21. Judicial Jurisdiction</b></p>	<p>All disputes arising out of and touching or relating to subject matter of the agreement/ contract shall be subject to jurisdiction of local courts at Chandigarh only.</p>
<p><b>22. Arbitration</b></p>	<p>Any dispute (s) or difference (s) arising out of or in connection with the Contract shall be, to the extent possible, be settled amicably between parties.</p> <p>If any dispute or difference of any kind whatsoever shall arise between PGL and the Contractor, arising out of the Contract for the performance of the works whether during the progress of the works or after its completion or whether before or after the termination, breach or abandonment of the Contract, it shall, in first place, be referred to and settled by the Engineer, who, within a period of 30 days after being requested by either party to do so, shall give written notice of his decision to Punjab Genco Ltd. and the Contractor.</p> <p>In the event of the Engineer failing to notify his decision within 30 days after being requested as aforesaid, or in the event of either PGL or the Contractor being dissatisfied with any such decision, as the case may be, either party may refer the matter to arbitration as per below:</p> <p>All disputes or differences which could not be settled by the Engineer shall be finally settled through arbitration act 1996.</p> <p>The Arbitration expense shall be paid as may be determined by the Arbitrators. The arbitrators may, from time to time, with the consent of all the parties enlarge the time of making the award. In the event of any of the aforesaid arbitrators dying, neglecting, resigning or being unable to act for any reason, it will be lawful for the party concerned to nominate another arbitrator in place of the outgoing arbitrator.</p> <p>The arbitration shall be conducted in English, in Chandigarh.</p> <p>Performance of the Contract shall continue during the Arbitration proceeding unless Punjab Genco Ltd shall order the suspension thereof or any part thereof. Payments due to the Contractor shall not be withheld by PGL on account of pending reference to</p>



	<p>arbitration. Reference of the Disputes to arbitration shall not relieve the Contractor of his obligation to proceed with the works in accordance with Contract (unless Punjab Genco Ltd directs to do so) nor relieve Punjab Genco Ltd. of any of his obligations under the Contract. All arbitration shall be done in accordance to the Indian Arbitration Act 1996.</p>
<b>23. Application</b>	These Special Contract Conditions shall prevail over the General Conditions of Contract, in case of contradiction, if any.
<b>24. Offices</b>	<p>Any notices given by one party to the other pursuant to the Contract shall be sent in writing by registered/speed post to the following addresses of the PGL's Representative and Contractor. The notice shall be effective when delivered or on the notice's effective date, whichever is later.</p> <p>Address of the PGL's Representative: <b>Director</b> <b>Punjab Genco Ltd</b> <b>Plot no :1&amp;2, Sector 33-D</b> <b>Chandigarh.</b></p> <p>Address of Contractor: (To be filled in at the time of signing of the Contract)</p>
<b>25. Change in Laws and Regulations</b>	If, after the twenty-eight (28) days of Bid submission, any law, regulation, ordinance, order or by-law having the force of law is enacted, promulgated, abrogated or changed (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the costs and expenses of the Contractor and/or the Time for Completion, the Contract Price shall be correspondingly increased or decreased, and/or the Time for Completion shall be reasonably adjusted, after mutually agreed terms between the parties, to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract.
<b>26. Documents forming the Contract</b>	<p>Following document shall constitute the Contract between the PGL and Contractor, and each shall be read and construed as an integral part of the Contract:</p> <p>Contract Agreement Notification of Award Corrigendum / Amendments of the Bidding Document Special Condition of Contract Technical Specifications, General Condition of Contract Information to Bidders The Contractor Bid and Price Schedule and its amendments</p>

<p><b>27. Priority of Documents</b></p>	<p>The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:  Contract Agreement  Notification of Award  Corrigendum / Amendments of the Bidding Document  Special Condition of Contract  Technical Specifications,  General Condition of Contract  Information for Bidders  The Contractor Bid and Price Schedule and its amendments</p>
<p><b>28.Contract Agreement</b></p>	<p>The Contract Agreement shall be executed between the parties as per the PGL Agreement forms.</p>
<p><b>29. Extension of Completion Period</b></p>	<p>Completion period of Contract shall be extended by delayed period and additional reasonable period (if applicable), if the Contract is delayed or impeded in the performance of any of its obligations under the Contract due to any of the following reasons: -  Execution of Variation Order.  Occurrence of Force Majeure conditions/Unforeseen Conditions that could not have been reasonably foreseen prior to the date of Contract Agreement.</p> <p>Suspension of Contract by PGL: -</p> <ol style="list-style-type: none"> <li>1. Any changes in laws and regulations and its interpretation.</li> <li>2. Default or breach of the Contract by the PGL act or omission of any other contractors employed by the PGL.</li> <li>3. Any other reasons which are out of genuine control of the Contractor.</li> </ol> <p>While deciding the extension, re-mobilization time required shall also be added to the completion time, if applicable.</p>

**SECTION -5**  
**QUALIFICATION CRITERIA**

**1.0 General**

- 1.1 Punjab Genco Limited, a wholly owned subsidiary of PEDA, Punjab, herein referred to as “PGL”, responsible for operation & maintenance of the Solar Photo Voltaic (SPV) Power Plant of having capacity 200KW at Village Khatkar Kalan District Shaheed Bhagat Singh Nagar (S.B.S. Nagar) in state of Punjab intends to implement Repair & Renovation – Civil Works.
- 1.2 A Bidder shall be an Indian private entity or a government-owned entity.
- 1.3 Qualification for this tender is open to the reputed civil contractors/companies.
- 1.4 All information should be submitted in English.
- 1.5 Failure to provide information which is essential to evaluate the Bidder’s qualifications may result in disqualification of the Bidder.

**2.0 PRE- QUALIFICATION CRITERION:**

**A. Technical Criterion-**

- a) The Bidder must be a Proprietorship, Firm or Partnership Firm or a company registered under Indian Companies Act 2013 or LLP registered under LLP Act.
- b) The Bidder must have successfully executed the similar nature of works i.e., construction, repair and renovation of any Government or Private Organization buildings in any last 3 years as mentioned hereunder: -
- Two similar completed works each costing not less than the amount equal to INR 5.00 Lacs (Indian Rupees Five Lacs).
- OR
- One similar completed works costing not less than the amount equal to INR 10.00 Lacs (Indian Rupees Ten Lacs).
- c) The bidder shall provide the detail and scanned copies of documents as a proof in pre-qualification documents alongwith technical bid like copy of work order issued & completion certificates issued by Competent Authority.
- d) The Bidder 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. The bidder will submit undertaking in this regard.
- e) The Bidder shall give a declaration regarding the material he/she is using for construction/repair purposes is as per latest IS Codes of Civil Engineering.

**B. Financial Criterion-**

- a) Average annual turnover during last three (3) years FY ending 31st March 2023 of the previous financial year from the date of opening of the Bid should be at least INR 05.00 lakhs.
- b) Bidder should submit ITR, Annual Reports (Balance Sheet and Profit & Loss account) for any of the three years for the period FY 2019-20, 2020-21, 2021-22, 2022-2023.

- c) The Bidder should have earned profits (before taxes) in the last three (3) preceding years. Bidder is required to submit the relevant documents establishing the requirements.
- d) Bidders must have GST number.

**SECTION - 6**  
**BRIEF SCOPE OF WORKS**

**BRIEF DESCRIPTION OF REPAIR & RENOVATION OF CIVIL WORKS at 200 KW SOLAR PHOTO VOLTAIC (SPV) POWER PLANT VILLAGE - KHATKAR KALAN, DISTRICT - SHAHEED BHAGAT SINGH NAGAR (S.B.S. NAGAR), PUNJAB.**

**1.0 INTRODUCTION**

Punjab Energy Development Agency (PEDA), the State nodal agency is responsible for promotion and development of renewable energy sources in the state of Punjab. A 200KW Solar Photo Voltaic (SPV) Power Plant at Khatkar Kalan is being owned and operated by Punjab Genco Ltd. (PGL), a wholly owned company by PEDA, since its commissioning about 20 years ago.

**1.1 REPAIR AND RENOVATION OF 200KW SPV POWER PLANT AT KHATKAR KALAN.**

The Solar Photo Voltaic (SPV) Power Plant of having capacity 200KW at Village Khatkar Kalan was completed and operationalized on 23.03.2003. The project was inaugurated on 23.03.2003 by Hon'ble Dr. A.P.J Abdul Kalam then President of India in the presence of Hon'ble Union Minister Sh. M. Kannappan, Non-Conventional Energy Sources, Govt of India and Hon'ble Chief Minister Capt. Amarinder Singh, Govt of Punjab.

M/s PGL intends to undertake the 200KW Solar Photo Voltaic (SPV) Power Plant at Khatkar Kalan for Repair and Renovation for smooth functioning of Power Plant. Since its completion till date no major Civil Works repair has been carried out at the project, except two times painting of Civil structures.

**A. Boundary Wall at Backside of Power Plant: -**

- i. Dismantling the old damaged wall at backside of SPV Power Plant which is collapsed due to seepage/sluffing from the deep village pond adjacent to the boundary wall.
- ii. Uprooting the trees which are grown in foundation of old damaged boundary wall.
- iii. Construction of new boundary wall at place of old damaged wall.
- iv. Fix the Railing on top of wall which is damaged due to collapse of wall.
- v. Plastering of newly constructed boundary wall.

**B. Construction of walkway between the arrays: -**

- i. Earth filling inside the trenches which were constructed in the center of arrays for laying cables.
- ii. Construction of new walkway at place of existing trenches by using P.C.C. M10 as Base course layer and P.C.C. M20 as top/finished layer and by providing expansion joints at regular intervals.

**C. Roof Treatment of Office Building and TVM Room: -**

- i. Removing existing tiles, thermocol insulation & base layer of P.C.C. on the roof of office building.
- ii. Water proofing treatment of roof slab with high performance water-proofing solution on the roof of office building and TVM Room\* (to be constructed).
- iii. Earth-filling and tile terracing on the roof of office building and TVM Room\* (to be constructed).

**D. Trivector Metering (TVM) Room: -** Construction of new TVM room at suitable location as directed by PGL engineer and as per approved design & drawings.

**E. Renovation and Restoration of 3No. Air Chimneys: -** Dismantling existing fixtures from the 3No. chimneys and construct/restore them as per design approved by PGL Engineers.

**F. Providing and fixing wire mesh window Shutters: -** Providing & fixing wire mesh window shutters inside the office building.

**G. Providing and fixing floor spring and repair of aluminum door at the entry of office building.**

**H. Toilets/Bathrooms inside Office Building: -**

- i. Dismantling obsolete wall tiles and floor tiles of 2No. toilets inside the office building.
- ii. Dismantling obsolete sanitary fittings, water tank and water supply inside toilets/bathrooms.
- iii. Laying new water supply and sanitary fittings inside toilets including providing and placing of 1000ltr water tank on the roof of office building.
- iv. Fixing new wall and floor tiles of approved brand inside in toilets inside the office building.

**NOTE: Any other items not covered in the above scope of works shall also be required to be executed/repared as per site conditions.**

**SECTION - 7**  
**GENERAL TECHNICAL SPECIFICATIONS**

**CHAPTER - 1**  
**EXCAVATION**

**1.1 SCOPE**

This chapter of the specifications covers excavation in all types of soil for all structures including foundations, trenches, pits, drains, channels etc. as shown on the drawings and as described herein. All types of soil shall include all types of soil and soft rock which can be excavated by pick axes or spades or earth moving equipment, such as excavators, drag liners etc. without recourse to blasting and/or other quarrying method for the foundation of structures.

**1.2 GENERAL REQUIREMENTS**

- I. The Contractor shall furnish all labour, equipment and materials required for complete execution of the work in accordance with the drawings and as described herein.
- II. The Contractor shall control the grading in the vicinity of all excavations so that the surface of the ground will be properly sloped or diked to prevent surface water from running into the excavated areas during construction.
- III. Excavations shall include the removal of all materials required to execute the work properly and shall be made with sufficient clearance to permit the placing, inspection and setting of forms and completion of all works for which the excavation was done.
- IV. Sides and bottoms of excavation shall be cut sharp and true. Undercutting shall not be permitted. Earthen sides of excavation shall not be used in lieu of form work for placement of concrete unless authorized, in special cases, by the Engineer where limitations of space for larger excavation necessitate such a decision. Contractor shall, while carrying out excavation, take all necessary precautions whatsoever necessary in order to ensure that the surfaces excavated are true to line and shape as shown in the drawings. The sloped / plain surfaces of such excavation shall be properly compacted and trimmed.
- V. The bottom of excavation shall be trimmed to the required levels and when carried below such levels, by error, shall be brought to level by filling with lean concrete of grade M-10 by the Contractor at his own cost.
- VI. If the Contractor is directed by the Engineer to excavate to a lower level than that indicated on the drawings, such additional excavation shall be paid for at the applicable unit rate.
- VII. The Contractor shall be responsible for assumptions and conclusions regarding the nature of materials to be excavated and the difficulty of making and maintaining the required excavations and performing the work required as shown on the drawing and in accordance with these specifications. Sheet piling, (if required) shoring, bracing, draining etc. shall be furnished and installed as required and the cost thereof shall be included in the unit rate quoted for the item of excavation. The Contractor shall be held responsible for and shall make good at his own cost any damage to any part of the work and property caused by collapse of sides of excavations. Materials may be salvaged if it can be done with safety for

the work and structures, as approved by the Engineer. The Contractor shall be responsible for all essential safety measures of the open pits during day and night hours. However, no extra claim shall be entertained for materials not salvaged or any other damage to Contractor's/private property as a result of the collapse. He shall not be entitled to any claim for redoing the excavation as a result of the same.

- VIII. The Contractor shall have to constantly pump out the water collected in pits due to seepage water from rain water, ground water, springs etc. and maintain dry working conditions at no extra cost to the PURCHASER.
- IX. Excavation shall not be carried out below the foundation level of the existing structures close by, until required precautions have been taken duly approved by the Engineer. However, this approval shall not relieve the Contractor of his responsibility for the safe execution of the work and any damage caused due to inadequate precautionary measure shall entirely be borne by the Contractor.
- X. All excavations for construction of R.C.C. foundations and underground structures like sumps, trenches etc. shall be kept free of water till completion of work.
- XI. All excavated materials obtained from excavation shall remain the PURCHASER's property. The useful portion as directed by the Engineer shall be separated from the useless ones by the Contractor without any extra cost to PURCHASER and deposited in regular stacks at places indicated and directed by the Engineer.



## **CHAPTER - 2**

### **BACKFILLING**

#### **2.1 SCOPE**

The Contractor shall furnish all labour, equipment and materials required for complete performance of the work in accordance with the drawings and as described herein.

#### **2.2 GENERAL REQUIREMENT**

- I. Backfill shall not be dropped directly upon or against any structure or facility where there is danger of displacement or damage.
- II. Backfill shall be placed in horizontal layers not to exceed 200 mm in thickness. Each layer shall be compacted properly to the satisfaction of Engineer. Trucks or heavy equipment for depositing backfill shall not be used within 5 m of walls, piers, or other facilities, which may be damaged by their weight or operation. The methods of compaction shall be subject to the approval of the Engineer. Pushing of earth for backfilling shall not be adopted under any circumstances. The working area shall be kept dry by de-watering during the entire operation of backfilling.
- III. Backfill adjacent to pipes shall be hand placed and compacted uniformly on both sides of the pipe and to depth and specified over the top of pipes. While tamping around piping, care should be taken to avoid unequal pressures.
- IV. On completion of structures, the earth surrounding them shall be accurately finished to line and grade as shown on the drawings. Finished surface shall be free of irregularities and depressions and shall be within 50 mm of the specified level.
- V. Any additional quantity of backfilling, if required, beyond the excavation payment line necessary for the case of working shall be done by the Contractor at his own expense.

## **CHAPTER - 3**

### **CEMENT CONCRETE**

#### **3.1 SCOPE**

The work to be done shall comprise the supply of all labour, plant and material, and the performance of all work necessary for supplying, mixing, transporting from the batching plant, placing, compacting, curing and finishing concrete, and cleaning and preparing construction joints, as shown on the drawings, as required by Engineer.

#### **3.2 GENERAL REQUIREMENTS**

- i) All concrete work, production, testing and placement shall be performed in strict conformance with the Indian Standard Code of Practice for Plain and Reinforced Concrete IS 456-2000.
- ii) Equipment and methods for the production, transportation, placing, consolidating, curing and finishing of concrete shall be subject to acceptance by Engineer.

#### **3.3 COMPOSITION OF CONCRETE**

Concrete shall be composed of cement, fine aggregate, coarse aggregate, water and permitted admixtures, as specified herein and as required by Engineer.

#### **3.4 CONCRETE AND CONCRETE CONSTITUENTS**

- I. Concrete constituents shall be batched and mixed at site using suitable equipment to determine and control accurately the amount of each ingredient entering the mix. The amount of each ingredient shall be batched correctly with sufficient accuracy to obtain concrete of the quality specified in specifications.
- II. Facilities for storage of concrete constituents and batching and mixing of concrete shall be available for inspection by Engineer at all times.
- III. The use of a water reducing admixture to improve workability without reducing the strength or durability of the mix will be considered by Engineer. If acceptable to Engineer, it shall be used in strict conformance with manufacturer's instructions and will be supplied to contractor by PURCHASER at no cost.

#### **3.5 CEMENT**

Cement shall be OPC/PPC (Grade – 53) conforming to the requirements of relevant Indian Standards.

#### **3.6 AGGREGATES – GENERAL**

- i. Aggregates shall be supplied only from sources approved by Engineer. Approval of a source shall not be construed as constituting acceptance of all materials to be taken from that source.

- ii. The quality of all aggregates used in the work, including processing such as washing, classifying, screening, re-screening, crushing and blending, necessary to meet the required specifications, shall all be subject to acceptance of Engineer.

### **3.7 FINE AGGREGATES**

- i. Fine aggregates shall have uniform and stable moisture content and shall conform to the grading requirements of IS 383-1970.
- ii. If necessary, fine aggregate shall be washed to remove excess fines.

### **3.8 WATER**

- I. A reliable water supply shall be installed and maintained for washing of aggregate and the manufacture and curing of concrete.
- II. Water to be used in washing of aggregates and manufacturing and curing shall be clean and free from injurious amounts of oil, acids, alkalies, sugar, salt and organic matter and shall conform to IS 456-2000.
- III. Water for manufacturing of concrete shall be approved by Engineer.
- IV. Adequate water storage facilities shall be provided at the batching plant to ensure that no part of the concreting operations shall be hindered by temporary break down in the main supply system.

### **3.9 QUALITY CONTROL**

- I. A system of quality control shall be provided, operated and maintained at the batching and mixing plants to ensure that the standards specified for concrete herein are met.
- II. In the event the specified strength criteria are not met, Engineer may, if he deems it necessary, order that the unacceptable concrete be cut out and replaced.

### **3.10 FINISHING OF CONCRETE**

- i. Any damage to finished concrete resulting from the action of removing form work or any other cause shall be repaired to the satisfaction of Engineer.
- ii. The finished surfaces of concrete shall be true, sound, smooth and free from fins, offsets, pits, depressions, voids, blemishes and others defective concrete and surface irregularities, and shall be in accordance with the requirements for the particular class of finish specified herein or shown on the drawings.

### **3.11 CURING AND PROTECTION OF CONCRETE**

- I. Exposed surfaces shall be kept moist or the moisture in the concrete shall be prevented from evaporating for at least 10 days after placing by means of continuous sprinkling or spraying with water, or by other methods authorized by Engineer.

- II. Curing shall be done by means of jute bags for vertical faces of piers, abutments, column, beams etc. without disturbing the steel reinforcement bars projecting from any placement for at least 24 hours after the completion of such placement.
- III. Curing shall be done by the bidder at his own cost for minimum number of days specified in IS Code.

## **CHAPTER - 4**

### **REINFORCEMENT**

#### **4.1 SCOPE OF WORK**

The work includes supplying, straightening, cutting, bending, binding, welding and placing in position high yield strength deformed bars conforming to IS: 1786 as reinforcement for concrete to be placed at various locations.

#### **4.2 STEEL REINFORCING BARS**

- i. Steel reinforcing bars shall be placed in concrete where shown on the drawings or directed by the Engineer. The contractor shall prepare and furnish for approval drawings indicating the bar bending details and reinforcement bar lists for all structures.
- ii. Not less than 7 days prior to placement of reinforcement, the contractor shall submit to Engineer, for approval three prints and a reproducible of each of his reinforcement detail drawings. The contractor's reinforcement detailed drawings shall be prepared in accordance with IS 456-2000 Code of Practice for Plain and Reinforced Concrete, IS 2502-1963 Code of Practice for Bending and Fixing of Bars for Concrete Reinforcement and IS 5525-1969 Recommendation for Detailing of Reinforcement in Reinforced Concrete Works. The contractor's drawings shall show necessary details for checking the bars during placement and for use in establishing payment quantities. Reinforcement bars shall conform to requirements shown on the drawings or as directed by the Engineer. The approval of the Engineer to the contractor's reinforcement detail drawings shall not relieve the contractor of his responsibility for the correctness of details or for conformance with the requirements of these specifications.
- iii. The reinforcing bars shall meet the requirements of IS 1786 – 2008 and its latest edition. However, in case of non-availability of such bars other steel bars conforming to IS 432 – 1966 and/or IS 1139-1966 will be used as per the directions of the Engineer.

## **CHAPTER - 5**

### **BRICK MASONRY WORK**

#### **5.1 SCOPE**

This specification covers furnishing, installation, repairing, finishing, curing, protection, maintenance till handing over, of brick masonry for use in structure and locations, covered under the scope of the contract.

#### **5.2 GENERAL REQUIREMENTS**

The contractor shall furnish all labour, material, scaffolding and equipment to form, place and finish all brick masonry work for general and architectural works and miscellaneous items complete, as indicated on the drawings and as described herein. Provision of IS: 2212 shall be complied unless permitted otherwise.

#### **5.3 MATERIALS**

Relevant clauses of the technical specifications for the properties, storage and handling of common construction materials shall apply in respect of cement, sand, bricks, fresh water and other materials.

#### **5.4 MORTAR**

Mortar for Brickwork shall be 1 part cement and 4 parts sand by volume, unless otherwise specified in the drawings or schedule, or otherwise directed by the Engineer. Cement and sand shall be mixed dry thoroughly in a mechanical mixer and water shall then be added to obtain a mortar of the consistency of a stiff paste, care being taken to add just sufficient water for the purpose.

The unit for measurement for cement shall be a bag of cement weighing 50 kg and that shall be taken as 0.035 m<sup>3</sup>. Other ingredients in specified proportions shall be measured in boxes of suitable size. Sand shall be measured on the basis of its dry volume. In case of damp sand its quantity shall be increased suitably to allow for bulkage.

Mortar shall be used as early as possible after mixing and before it has begun to set and in any case within 30 minutes after water is added to dry mixture. Mortar unused for more than 30 minutes shall be rejected and removed from site of work.

Surplus mortar droppings from masonry, if received on surface free from dirt, may be mixed with fresh mortar if permitted by the Engineer who may direct addition of additional cement without any cost compensation. No mortar, which has stood for more than half an hour, shall be used.

#### **5.5 BRICK MASONRY**

- i. All workmanship shall be of best standard as approved by Engineer.

Bricks shall be soaked by submergence in fresh water for at least six (6) hours in approved vats before use.

The contractor shall provide tanks of sufficient capacity to allow the specified immersion. Bricks shall be laid in water by hand and not thrown. The bricks shall not be too wet at the time of use, as they are likely to slip on the mortar bed and there will be difficulty in ensuring plumbness of the wall. Bricks shall be laid in English bond unless specified otherwise. Broken bricks shall not be used. Cut bricks shall be used if necessary to complete bond or as closures. Bricks shall be laid with frogs upwards over full mortar beds. Bricks shall be pressed into mortar and tapped into final position so as to embed fully in mortar. Inside faces shall be buttered with mortar before the next brick is placed and pressed against it. Thus, all joints between bricks shall be fully filled with mortar. Mortar joints shall be kept uniform and to the thickness shown on drawings or as specified by Engineer, but shall not be more than 12 mm in thickness in any case.

**ii. CURING AND PROTECTION**

Green work shall be protected from rains by suitably covering the same. Masonry in cement mortar or composite mortar shall be kept constantly moist on all the faces for a period of at least seven days. The top of masonry shall be flooded at the close of the day.

**5.6 METHOD OF MEASUREMENT AND PAYMENT**

Brickwork shall be measured by volume and paid for at the unit prices quoted in the Bill of quantities and the unit prices shall cover cost of all labour, materials and equipment required to complete the work and nothing extra shall be paid on any account.

- (a) No deduction shall be made for embedded fixture nor any extra be paid for the mortar used for fixing or for necessary cutting of blocks or bricks.
- (b) No extra payments shall be made for cutting of bricks, masonry and allied works.
- (c) Thickness of brick walls shall be measured in nominal brick sizes.
- (d) Form work required for and frame work embedded in the opening shall be deemed to have been included in the quoted rate for masonry and nothing extra shall be paid for the same.

## CHAPTER - 6

### PLASTERING TO MASONRY AND CONCRETE

#### 6.1 PLASTERING

##### i. MORTAR:

Mortar for plastering shall be as specified in the drawings and in the Bill of quantities:

For sand cement plaster, sand and cement in the specified proportion shall be mixed dry on a water-tight platform and minimum water added to achieve working consistency.

No plaster which has stood for more than half an hour shall be used; plaster that has shown tendency to become dry before this time shall have water added to it.

##### ii. PLASTER ON SMOOTH FACES OF BRICK WORK

This plaster shall be laid in a single coat of 12 mm thickness. The mortar shall be dashed on the prepared surface with a trowel and finished smooth by trowel on the surface. The standard of finish expected is high and shall conform to IS: 2394. Wall plaster shall be carried out on jambs, lintel and sill faces, top, sides and undersides of openings, pillars, fins, fascia, beams etc. as shown in the drawings or as directed by Engineer. Rate quoted for plaster work shall be deemed to include plastering of all these surfaces.

##### iii. INTERNAL CEILING PLASTER

Ceiling plaster shall be done in a manner similar to above and applied before wall plaster. Wall plaster shall commence at top and work downwards. The thickness of mortar and its grade shall be as per the Bill of Quantities.

#### 6.2 APPLICATION OF PLASTER

i. Plaster when more than 12 mm thick, shall be applied in two coats, i.e. a base coat followed by the finishing coat. Thickness of the base coat, however, shall not exceed 12 mm in thickness unless otherwise specified. The lower coat shall be thicker than the upper coat. The overall thickness of the coats shall not be less than the minimum thickness shown on the drawings. The undercoat shall be allowed to dry and shrink before applying the second coat of plaster. The undercoat shall be scratched or roughened before it is fully hardened to form a mechanical key. The method of application shall be 'thrown on' rather than 'applied by trowel'.

ii. To ensure even thickness and true surface, patches of plaster about 100 mm to 150 mm square or wooden screed 75 mm wide and of the thickness of the plaster shall be fixed vertically about 2000 mm to 3000 apart, to act as gauges. The finished wall surface shall be true to plumb, and the Contractor shall, without any extra coat to the PURCHASER, make up any irregularity in the brickwork with plaster. All vertical edges of brick pillars, door jambs etc. shall be chamfered or rounded off as directed by the Engineer. All drips, grooves, moulding and cornices as shown on drawing or instructed by the Engineer shall be done with special care to maintain true lines, levels and profiles. After the plastering work is complete, all

debris shall be removed and the area left clean. Any plastering that is damaged shall be repaired and left in good condition at the completion of the job.

### **6.3 CURING**

- i. Curing of plaster shall be started as soon as the applied plaster has hardened enough so as not to be damaged. The decision as to when the plaster has hardened will be given by the Engineer. Curing shall be done by continuously applying water in a fine spray and shall be carried out for at least 7 days. Each individual coat of plaster shall be kept damp continuously for a minimum two days and then dried thoroughly before applying the next coat. Final coat shall be kept damp continuously for seven days.

### **6.4 WATER PROOFING ADMIXTURES**

- i. Whenever the specification or the item of work calls for water proofing, the Contractor shall provide the percentage of water proofing compound as specified in the items of work.
- ii. If directed by the Engineer, the contractor shall use approved water-proofing admixtures made by reputed manufacturer in the mortar for plaster work.
- iii. The quantity to be used etc. shall be in accordance with the manufacturer's instructions however subject to the approval of the Engineer. These admixtures shall not contain calcium chloride unless specifically allowed by Engineer and shall conform to IS: 2645. The admixtures used shall be measured under relevant clauses as specified elsewhere in this specification.



**CHAPTER 7**  
**ROOF WATER PROOFING.**

This specification covers furnishing, installation, repairing, finishing, curing, testing, protection, maintenance till handing over the roof water proofing and allied works for buildings and at locations covered under the Scope of the Contract.

**CHAPTER 8**  
**METAL DOORS, WINDOWS, VENTILATORS AND LOUVERS**

The work in general shall consist of supplying and/or erecting and installing of all metal doors, windows, ventilators, louvers, glazed partitions, etc. as shown on drawings with all materials complete excluding supply of glass and glazing. Supplying and/or fixing of all door and window accessories and hardware is also included in the scope.

**CHAPTER 9**  
**STRUCTURAL STEEL**

**SCOPE OF WORK**

The work to be done shall comprise of supply of all labour, plant and materials, and the performance of all work necessary for the handling, storing and erection of structural steel as shown on the drawings and / or as proposed by the contractor and approved by the Engineer.

## **CHAPTER 10**

### **WATER SUPPLY, DRAINAGE AND SANITARY INSTALLATIONS**

#### **10.1 DRAINAGE AND SEWERAGE SYSTEMS**

Drainage and sewerage system shall be provided in the open area around the Power Plant as shown in the drawing.

Soil water from the lavatories and wastewater from the lavatories shall flow into the septic tank and be treated in it. Treated effluent shall be discharged to the drainage gutter. The sludge will be transported for disposal at an open area. Ventilation pipe shall be provided connecting with the soil water and waste water pipes.

#### **10.2 SANITARY FIXTURES**

##### **i. Installation**

##### **1) Fixture Connections and Support**

Wall-hung fixtures shall be fastened to the wall by through bolts where appearance of the bolts is not objectionable. For solid concrete or brick masonry and where through bolting is objectionable, fixtures shall be fastened with machine-bolt expansion shields or stud type expansion bolts. For masonry unit construction fixtures shall be fastened with through bolts or toggle bolts as required. Exposed bolt heads in finished areas shall be hexagonal. Exposed nuts shall be chromium-plated hexagonal cap nuts. Washers shall be painted or chromium-plated to match bolt heads or nuts.

##### **2) Connections to Equipment and Fixtures**

The supply line to each item of equipment or fixture, except faucets, flush valves or other control valves which are supplied with an integral stop, shall be equipped with a cutoff valve to enable isolation of the item for repair and maintenance without interfering with operation of other equipment or fixtures.

#### **10.3 PIPING**

##### **1. General**

All pipes, fittings and fixtures shall be of GI and of the kind, grade, type and qualities as specified by the Engineer.

All pipes shall be jointed with fittings compatible with the pipe and of the suitable type for the intended service.

Union joints shall be properly provided in piping to allow disassembly of the piping for maintenance services or for any modifications of the system.

**SECTION - 8**  
**ESTIMATED BILL OF QUANTITIES**

<b>S.No</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>
1	Dismantling brick work tile, masonry or tile lining. (b) in cement.	cum	21.671
2	Dismantling of floor tiles at any floor of the building laid in cement mortar including dismantling of cement concrete base and disposal of malba at suitable place within a distance of 100m of the complex complete in all respect.	sqm	117.154
3	Earthwork in excavation in foundations trenches etc. in all kind of soils where pick-jumper work is not involved and not exceeding 2.0m depth including dressing of bottoms and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent filling around masonry in 15cm, layers with compaction including disposal of all surplus soil as directed with lead of 30.00mts.	cum	9.549
4	First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth.	cum	24.839
5	First class burnt brick work laid in cement sand mortar 1:4 in first story upto 4 meters above plinth level.	cum	19.074
6	Extra for compensation and royalty for ordinary earth/ordinary clay taken from private land.	cum	66.698
7	Excavation of soil using hydraulic excavator and hydraulic tractor trolly I/C cutting and loading in trolly and transporting to the embankment locations with all lifts and leads.	cum	66.698
	(a) Disposal/carriage from 0 upto 450m.		
	(b) Disposal/carriage additional beyond 450 m upto 1 km	cum	66.698
	(C) Disposal/carriage for every additional km upto 10 km	cum	66.698
8	Cold twisted detormed (ribbed/tor steel) bars (Fe 500 grade as per IS 1786-2008),for R.C.C works, where not including in the complete rate of RCC including bending and binding placing in position complete.	qtl	2.30
9	Cement concrete 1:3:6 a) with stone balast or shingle. ii) mixing by mechanical means using concrete mixer volumetric type.	cum	9.384

10	Reinforced cement concrete M-20 mechanical batch mixed using batch type concrete mixture as per IS :1791 and vibrated by needle vibrator but excluding steel reinforcement centering and shuttering in super structure.	cum	13.291
11	10mm Thick plaster 1:4	sqm	151.52
12	20mm thick cement plaster 1:4 in two coat work	sqm	40.209
13	Water proofing treatment of roof slab with high performance cementitious two component product, consisting of powder component and an acrylic polymer using two coats (Dr Fixit roof seal flex-packaging size :12.5kg (7.5kg powder+5kg polymer)/ equivalent water proofing solution). The slurry thus formed by mixing the two, is to be applied on new roofs to form a seamless, highly elastic, nontoxic water proofing layer on the roof with the life expectancy of 7 years. The work shall be carried out all complete as per specification and the direction of the Engineer-In-Charge.	sqm	131.184
14	Tile terracing laid dry over roof consisting of one layer of tiles 22.86*11.43*3.83 including routing with cement sand mortar 1:4 top surface to be left clean after wire brushing.	sqm	131.184
15	Supplying pressed steel sheet frames( chowkhat) consisting of 18 gauge (1.25mm thick steel sheet of the specified section, including iron lugs(hold fast) iron hinges conforming to PWD specification including bolts for fixing stops lock notch provision for receiving tower bolts and finished with 1 primer coat approved quality, fixed in position excluding the cost of cement concrete 1:3:6 for fillings in the frame and cement concrete 1:2:4 for lugs complete.	m	43.50
	(b) Doors and windows frame of size 113mm*60mm with 35mm wide single rebate weighing 3.38kg per meter. (c) doors and windows frame of size 151mm* 60mm with 35mm wide double rebate weighing 3.95kg per meter	m	15.64
16	Proving and fixing door floor spring double action of ISI specifications for aluminum door/steel doors.	each	1
17	Centering and shuttering for sides and soffits of beam, beams, launching grids, bressumers, lintels.	sqm	2.924
18	Centering and shuttering for flat surfaces such as suspended floor, roofs, landings, chajjas, shelves etc.	sqm	14.03
19	Wire gauge red meranti wood normal (15 to 16 kg per cft.approx) door shutter without springs housed in chowkhats. (VI) (A) 35mm thick	sqm	6.554

20	Iron gated doors, including pintle hinges & arrangements.	qtl	1.80
21	Providing and laying Anti skid ceramic floor tiles of size 300*300mm*10 mm thick of 1st quality conforming to IS:15622 of approved make in colors such as white,ivory , grey, fume red, brown, laid on flooring skirting and dado in 12.5mm thick cement plaster 1:3 in base and joined with @3.3kg/sqm including pointing the joints with white cement and matching pigment etc. complete white cement slurry in joints including corners angles and beading.	sqm	6.214
22	RECESSED PVC CONDUIT PIPE WIRING SYSTEM WITH MODULAR SWITCHES:  Wiring in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5sq.mm, 1100 volts grade to be laid in heavy gauge PVC conduit pipe 20mm/25mm dia. (ISI marked) recessed in wall etc. complete with powder coated/anodised concealed metal boxes(1.6mm thick with brass lugs) required for suitable number of modules (modular accesories) for having step type electronic fan regulators (two module)1100 watts bellpush, 6amp. 2/3 universal socket (shuttered), 6/10amp. switches, 16/20amp switches with indicator etc. and covered with frame plate etc. PVC connector (for fanbox and call bell) steel hooks, sheet metal fan box (1.6mm thick shape hexagonal), circular junction boxes (four way PVC 1/1.2" deep for walls and CI 3" deep for ceiling), bonmding to earth with PVC insulated copper conductor single core FR cable (ISI marked) 1sq.mm, 1100 volts grade (for 6 Amp.wall socket and plug control point) and other petty material etc. including the cost of above material, cutting and filling up of chases (with finishing the surface):-		
	Wiring fan point (with fan box)	each	1
	Wiring light point	each	7
	Wiring 6 Amp wall Socket point	each	1
23	Dismantling sanitary fixtures such as European/Indian/Orrisa W.C, PVC/chinaware cistern, wash hand besin, urinal pot, sinks and CP fittings and disposal of dismantled material within a distance of 100mtr. Complete in all respects as required by Engineer-In-Charge. a) European/Indian/Orissa WC	each	2
	b) PVC/Chinaware Cistern	each	2
	c) Wash hand basin urinal pot	each	2
	e) CP bib cock/Angle cock/stop Cock/Shower/Bottle trap	each	16
	g) Bathroom accessories such as soap dish, towel rail, towel ring, towel bracket etc and all other accessories	each	5
24	Providing and fixing in position Chinaware Indian Orisa water closet size 580*440mm of approved make (to the approval of the Engineer-In- charge) consisting of 10ltr. PVC flushing cistern ISI marked including cost of PVC long bend 32mm dia complete in all respect and to the entire satisfaction of Engineer-in-charge.	each	1

25	Providing and fixing in position Chinaware European type water closet P trap or S trap of approved make (to the approval of the Engineer-In- charge) consisting of 10ltr. PVC flushing cistern ISI marked, PVC short bend 32mm dia including cost of seat cover complete in all respect and to the entire satisfaction of Engineer-in-charge.	each	1
26	Providing and fixing jet spray with 2'-6" long PVC pipe. (A) a) With C.P brass nut	each	1
27	Providing and fixing in position vitreous Chinaware white lavatory suites of approved make (to the approval of the Engineer-In- charge) including Rack bolt screw pair 115mm long without CP fitting complete in all respect.  v) Size 560mm *430mm*820mm	each	2
28	Providing and fixing in position 15mm CP pillar cock foam flow of approved make (to the approval of the Engineer-In-charge)	each	2
29	Providing and fixing vitreous Chinaware pedestal of approved make (to the approval of the Engineer-In- charge) for wash hand basin complete in all respects  i) Vitreous Chinaware standard white pedestal for wash hand basin.	each	2
30	Proving and fixing in position CP brass overhead shower 1 flow with shower arm with 15mm i/d inlet of approved make (to the approval of the Engineer-In- charge) complete in all respect.	each	1
31	Proving and fixing in position towel rails/ring of approved make (to the approval of the Engineer-In- charge) fixed in with rawl plugs embedded in walls with brass screws complete in all respect.  (b) CP brass towel ring	each	2
32	Proving and fixing in position CP brass soap dish of approved make (to the approval of the Engineer-In- charge) fixed into wall with rawl plugs and CP brass screws complete in all respect.	each	2
33	Providing and fixing in position 5mm thick bevelled edge mirror of superior glass of approved make complete with 4mm thick hard board backing fixed in with rawl plugs 50mm, CP brass screws and washers and S/S studs on top complete in all respects (as required by Engineer-in -charge)  (a) size 600mm*450mm	each	2

34	Providing and fixing in position CP brass flange dome of approved make (to the approval of Engineer-in-charge) under various fixtures complete in all respects	each	12
35	Providing and fixing in position 15mm i/d bib cock of approved make (to the approval of Engineer-in-charge) complete in all respects. i) CP brass bib cock long nose/long body foam flow without flange	each	3
	ii) CP brass bib cock foam flow without flange	each	2
36	Providing and fixing in position premium range CP brass fitting and accessories of approved make (to the approval of Engineer-in-charge) complete in all respect. iii) CP brass 15mm Angular stop cock with wall flange.	each	4
	iv) CP brass 15mm Concealed stop cock with adjustable wall flange with seal (outer + inner body).	each	4
37	Providing and fixing in position PVC flexible tube connection of approved make (to the approval of Engineer-in-charge) complete in all respect. b) PVC tube connection of size 15mm * 450mm with CP brass nut	each	6
38	Providing and placing in position on terrace (at all flow levels) HDPE water storage tanks of approved make (to the approval of Engineer-in-charge) with cover with suitable locking arrangements and making necessary holes for inlet, outlet and over flow pipes but without fitting and base support for tank. i) Triple layer tanks	litre	1000
39	Providing and fixing glass panes with nails and putty or wooden strip complete in all respects. b) Glazing area above 0.09sqm iii) 5.00 mm thick plate glass (INDIAN)	sqm	13.11
40	Steel Fe-415, Fe-500, Fe-550 (ISI Marked). (Ex shop in local market) o) MS sheet all guages. 1.Total Area of sheet = 21.785sqm 2. Quantity is calculated for 1mm thick MS sheet having weight 7.85kg/sqm	qtl	1.71
41	Dismantling of wall tiles at any floor of the building, lead in the cement mortar including scraping of cement plaster and disposal of malba at a suitable place with distance of 100mtrs of the complex complete in all respect.	sqm	17.10

42	Provide and fixing first quality ceramic glazed wall tiles, matt/semi matt/glosy/highly gloss finish/highlighter/emboss confirming to IS:15622(thickness to be specified by the manufacturer of approved make in all colours, shades except burgudy, bottle green, black of size 200x300mm, 100x200mm, 200x200mm as approved by Engineer-In-charge in skirting, risers of steps and dados over 12mm thick bed of cement mortar 1:4 and jointing with grey cement slurry @ 3.3kg/sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	17.10
43	Providing and fixing on wall face unplasticised rigid PVC rain water pipes single socketed (working pressure 4kgf/cm <sup>2</sup> conforming to IS:4985 including fixing with MS clamps. i) UPVC pipes (working pressure 4kgf/sqcm) single socketed pipe 110mm dia.	mtr	12.00
44	Providing and fixing 110mm dia UPVC bend for rain water pipe as per IS 14735 including jointing complete as per specifications and to the entire satisfaction of Engineer-In-Charge a) UPVC 110mm bend	nos.	3.00
45	Providing and laying, jointing,fixing and testing ISI marked UPVC pipelines as per ISI 4985-2000, including specials such as tees, sockets, bends etc cutting, testing(including cost of specials) in the ground complete in all respects. A. uPVC pipe 10kgf/cm <sup>2</sup> a) 20mm i/d	mtr	75.00
	b) 25mm i/d	mtr	25.00
46	Providing and fixing 2" thick thermocol in 3 No air chimneys.	lot	3



**SECTION - 9**  
**BIDDING FORMS/Annexure**

This Section contains the forms/Annexure which are to be completed by the Bidder and submitted as part of his Bid.

**Form 1 - Letter of Bid (Declaration Form)**

Date: .....  
Invitation for Bid No.: .....

To:  
Punjab Genco Ltd  
Chandigarh  
Punjab

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB) 5;
- (b) We have visited the site and made ourselves conversant with the present status of all the plants and site conditions;
- (c) We offer to execute in conformity with the Bidding Documents for Repair & Renovation of 200KW SPV Power Plant at Khatkar Kalan of District SBS Nagar – Civil Works;
- (d) Our Bid, consisting of the 'Techno- Commercial Bid and the Financial Bid', shall be valid for a period of 60 days from the date fixed for the Opening of the Technical Bid in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) If our Bid is accepted, we commit to submit a 'Performance Bank Guarantee' in accordance with the Bidding Documents.
- (f) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process;
- (g) Our firm, its affiliates or subsidiaries, including any Subcontractors or Suppliers for any part of the contract, has not been declared ineligible/blacklisted by Government of India or any State Government or any Court or any of their agencies in past,
- (h) We are not a government owned entity / we are a government owned entity but meet the requirements of ITB 1.3

Name .....

In the capacity of .....

Signed .....

Duly authorized to sign the Bid for and on behalf of .....

Date .....

.....

**Form 2- Performa for eliciting information for appraisal of company capability to execute Civil Works as per requirements of PGL Tender Specification.**

<b>1. Name of the tendering company</b>	
<b>A) Complete address of the office</b>	
i) Telephone Number(s)	
ii) Fax Number.	
iii) E. Mail Address	
iv) Name of the two responsible persons along with Designation	
<b>B) Complete address of the workshop from where material manufactured and supplied against this tender enquiry.</b>	
i) Telephone Number(s)	
ii) Fax Number.	
iii) email Address.....	
iv) Name of the two responsible persons with Designation	
<b>C) Name, Addresses &amp; Telephone No. of Chairman/ Managing Director/Directors.</b>	
i) Name	
ii) Address	
iii) Telephone/mobile Number	
i) Name	
ii) Address	
iii) Telephone/mobile Number	
i) Name	
ii) Address	
iii) Telephone/mobile Number	
<b>2. Year of establishment of the company</b>	
a) Private Firm or Company	
b) Registered under the companies Act, Give Registration No. & date.	
<b>3. Memorandum and Article of Association of Company.</b>	
<b>4. Financial Position: -</b>	
i) Annual financial turnover (duly audited for any three years) i.e. 2019-2020, 2020-2021, 2021-2022, 2022-2023	
2019-2020	
2020-2021	
2021-2022	
2022-2023	

ii) Profit (before taxes) in any three years	
2019-2020	
2020-2021	
2021-2022	
2022-2023	
iii) PAN No. & Proof of filling Income Tax Return for last three years of Company	
iv) CIN No.	
v) TAN No.	
vi) GST No.	
<b>5. Detail of plant &amp; machinery.</b>	
<b>7. Bid Document Fee (Non-Refundable)</b>	
Amount, Rs.	
Date	
Online Transaction No.	
<b>8. E - Processing Charges (Non-Refundable)</b>	
Amount, Rs.	
Date	
Online Transaction No.	
<b>9. Details of EMD (Rs. _____/- Lac (Rupees _____ only))</b>	
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 firm's authorized signatory with stamp mark of the firm.

### Form 3: Financial/Technical Qualification Record

Name of Sole Bidder
---------------------

All sole Bidders are requested to complete the information in this form.

#### 1. Annual Turnover

The information supplied should be the annual turnover of the Bidder, in terms of amounts billed in INR to clients for any three years in the last three (3) years. Bidder needs to enclose testimonials and certificates with the Bid.

Fiscal Year	Turnover (in Rs)	Profit (before taxes)
1.		
2.		
3.		

Note: In case the audited balance sheet for the FY 2022-23 is not available the bidder may submit the same for FY 2019-2020 to 2021-2022 for completing three years.

#### 2. Technical Qualification

The Bidder shall submit copies of work order (WO) of similar type of work executed in last three years with proof of satisfactory execution in the form of certificate of completion etc. issued by the ordering agency/department.

S. no.	Details of Project	Agency/ Department	WO No. and date	Value of WO	Whether works completed or under progress.	Name/ Designation, Address & phone no. of the contact official of Department /Agency.
1.						
2.						
3.						

Note: Copies of performance/ execution certificates or any other supporting documents having executed the project for any Agency/Departments should be enclosed with the tenders. Only copies/ list of WOs will not be treated as authentic proofs.

The In-hand undergoing works if any, shall be considered for qualification upto the extent of value of completed works upto the date of publication of this tender only, if the certificate issued by the concerned authorities certify the value of completed works and satisfactory performance and continuity in execution of balance works by the contractor.

Dated.

Authorized Signatory

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Address and Seal of the firm

**Form: 4 -LITIGATION HISTORY**

Year	Award For or Against Bidder	Name of client, cause of litigation, and matter of dispute	Disputed amount (current value in Rs.)	Actual awarded Amount (in Rs.)

1. Bidder should provide information on any history of litigation or arbitration resulting from contracts executed in the last three years or currently under execution.

**Signature with seal of bidder**

## CONTRACT AGREEMENT

The agreement entered into this **date** between Punjab Genco Ltd, Chandigarh (hereinafter referred to as the PGL which terms shall include its successors and assigns) and **name of bidder** (hereinafter referred to as the Contractor which term shall include their successors and legal representatives).

### WHEREAS

1. The bid No. .... of the Contractor submitted against the tender No. .... of ..... Engineer, Punjab Genco Ltd, Chandigarh for the work of Repair & Renovation of 200KW SPV Power Plant at Village Khatkar Kalan of District SBS Nagar for execution of Civil Works defined in the tender was accepted by the said ..... Engineer, Punjab Genco Ltd., Chandigarh on behalf of Punjab Genco Ltd., by LOI No. .... dated .....
2. The Contractor having accepted the LOI is required to execute agreement and to furnish a Performance Bank Guarantee at the time of signing of contract agreement for the due fulfilment of the agreement and to cover the full guarantee period under the agreement .
3. The Contractor has furnished Performance Bank Guarantee of 3% of contract value in favour of the PGL, for the due fulfilment of the agreement from the **name & address of Bank** and to cover the full guarantee period under the agreement.

#### **Performance Bank Guarantee Details**

Bank Guarantee No.: ..... dated .....of value of 3% of contract value issued by **name of bank & address** valid till **date of completion of guarantee period**.

Now this indenture witnessed and it is hereby agreed and declared as follows, that is to say, in consideration of the payments to be made to the Contractor by the PGL as herein after mentioned, the Contractor hereby covenants with the PGL, that the Contractor shall and will erect the goods at site and ensure quality and description as specified and shall do and perform all other works and things in the agreement. The following documents shall constitute the Contract Agreement between PGL and Contractor, and each shall be read and construed as an integral part of the Contract:

- a. Contract Agreement
- b. Letter of Intent
- c. Special Conditions of Contract
- d. Technical Specifications, Drawings, Technical Data/Details, QAP, Specifications and its Amendments, Project Schedule
- e. General Conditions of Contract
- f. The Contractor's Bid and Financial Schedule and its amendments

In the event of any ambiguity or conflict between the Contract documents listed above, the order of precedence shall be the order in which the contract documents are listed above.

**1. Effective Date:**

Effective Date shall be reckoned as per Clause No. 2.1 of 'Special Conditions of Contract'.

**2. Penalty:**

Penalty shall be in accordance with Clause No. 10 and its sub-clauses, of 'Special Conditions of Contract'.

**3. Payment Terms:**

Payment Terms shall be in accordance with Clause No. 13 and its sub-clauses, of 'Special Conditions of Contract'.

**4. Prices:**

Prices shall be in accordance with Clause No. 8 of 'Special Conditions of Contract'.

**5. Correspondence**

All correspondence regarding payments shall be addressed to the consignee.

**Director**  
**Punjab Genco Ltd,**  
**Plot No. 1 & 2, Sector – 33 D,**  
**Chandigarh**

In witness whereof the parties of ***name of the bidder*** and M/s PGL, Chandigarh to this agreement (hereinafter referred to as the SECOND CONTRACT) have signed this indenture in the presence of the following witnesses.

FOR  
Punjab Genco Ltd. Ltd.  
(with seal)  
Place:  
Date:

FOR  
***Name & Address of Bidder***  
(with seal)  
Place:  
Date:

Witness:  
1.  
2.

Witness:  
1.  
2.