TENDER DOCUMENT

TENDER No.: EPI/ERSite/685/BGP/067

FOR

Tender for “Design, Supply, Installation, Testing & Commissioning of Bio Gas Plant and other related works on turnkey basis” for the construction of Bihar police Academy Project at Rajgir, Nalanda, Bihar

VOLUME – II

(Additional Conditions of Conditions (ACC), Memorandum, Technical Specification)

ENGINEERING PROJECTS (INDIA) LIMITED
(A GOVT. OF INDIA ENTERPRISE)
Core-3, SCOPE Complex,
7, Lodhi Road, New Delhi – 110003
### CONTENTS

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Additional Conditions of Conditions (ACC)</td>
</tr>
<tr>
<td>2.</td>
<td>Memorandum</td>
</tr>
<tr>
<td>3.</td>
<td>Technical Specification</td>
</tr>
</tbody>
</table>
MEMORANDUM

(ENCLOSURE TO FORM OF TENDER)


NIT No. : EPI/ERSite/685/BGP/067 Dated:..................

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description</th>
<th>Cl. No.</th>
<th>Values / Description to be applicable for relevant clause(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>i)</td>
<td>Name of Work</td>
<td></td>
<td>Design , Supply, Installation ,Testing &amp; Commissioning of Bio Gas Plant and other related works on turnkey basis</td>
</tr>
<tr>
<td>ii)</td>
<td>Owner / Client / Employer</td>
<td></td>
<td>EPIL/BPBCC</td>
</tr>
<tr>
<td>iii)</td>
<td>Type of Tender</td>
<td></td>
<td>Item Rate</td>
</tr>
<tr>
<td>iv)</td>
<td>Earnest Money Deposit</td>
<td>NIT</td>
<td>Rs. 116000/- (Rupees One lakh sixteen thousand only)</td>
</tr>
<tr>
<td>v)</td>
<td>Estimated Cost</td>
<td>NIT</td>
<td>Rs. 5845600.00</td>
</tr>
<tr>
<td>vi)</td>
<td>Time for Completion of Work</td>
<td>NIT</td>
<td>06 Months</td>
</tr>
<tr>
<td>vii)</td>
<td>Mobilization Advance</td>
<td>--</td>
<td>NA</td>
</tr>
<tr>
<td>viii)</td>
<td>Interest Rate on Mobilization Advance</td>
<td>--</td>
<td>NA</td>
</tr>
<tr>
<td>ix)</td>
<td>Number of Installments for recovery of Mobilization Advance</td>
<td>--</td>
<td>NA</td>
</tr>
<tr>
<td>x)</td>
<td>Schedule of Rates applicable</td>
<td>--</td>
<td>As per tender document</td>
</tr>
<tr>
<td>xi)</td>
<td>Validity of Tender</td>
<td>4.0 (GCC)</td>
<td>90 (Ninety) Days from the date of opening of price bid.</td>
</tr>
<tr>
<td>xii)</td>
<td>Security Deposit cum Performance Guarantee</td>
<td>11.0 (ACC)</td>
<td>5 % (Five percent) of total order value</td>
</tr>
<tr>
<td>xiii)</td>
<td>Retention Money</td>
<td>10.0 (ACC)</td>
<td>8.00% (Eight percent only) of the contract amount which shall be deducted in the</td>
</tr>
</tbody>
</table>

Signature of Contractor

EPI
<table>
<thead>
<tr>
<th></th>
<th></th>
<th>manner set out in this contract.</th>
</tr>
</thead>
<tbody>
<tr>
<td>xiv) Time allowed for starting the work</td>
<td>43.0 (GCC)</td>
<td>The date of start of contract shall be reckoned 10 days from the date of issue of telegram / letter / telex / FAX of intent of acceptance of tender.</td>
</tr>
<tr>
<td>xv) Defect Liability Period</td>
<td>21.0 (ACC)</td>
<td>36 (Thirty Six) Months from the date of taking over of works.</td>
</tr>
<tr>
<td>xvi) Arbitration</td>
<td>76.0 (GCC)</td>
<td>Arbitration shall be as per provisions of Clause no.76 of GCC. The Venue of Arbitration shall be Kolkata.</td>
</tr>
<tr>
<td>xvii) Jurisdiction</td>
<td>76.3 (GCC)</td>
<td>Courts in Patna</td>
</tr>
</tbody>
</table>

SIGNATURE OF TENDERER:

NAME (CAPITAL LETTERS):

OCCUPATION:

ADDRESS:

SEAL OF TENDERER
ADDITIONAL CONDITIONS OF CONTRACT

1. **General**

These additional conditions of contract (ACC) covers design, supply, transportation, Loading, Unloading, Handling and Storing, installation, testing and commissioning (excluding excavation, backfilling, & disposal of surplus earth, civil construction work) of One Set ‘Bio Gas Plant’ as per the BOQ for construction of Police Academy Project, Rajgir, Nalanda, Bihar, India on turnkey basis. This ACC shall be read in conjunction with The General Conditions of Contract (GCC) of EPI. Where the provision of these additional conditions are at variance with the provision of General conditions, the provision of these special conditions shall take precedence.

2. **Scope of work**

(a) design, supply, transportation, Loading, Unloading, Handling and Storing, installation, testing and commissioning (excluding excavation, backfilling, & disposal of surplus earth, civil construction work) of One Set ‘Bio Gas Plant’ as per the BOQ for construction of Police Academy Project, Rajgir, Nalanda, Bihar, India on turnkey basis. and Proving of performance to the complete satisfaction of Bihar Police Building Construction Corporation (BPBCC)/EPIL

(b) Lifting devices, hoists, ropes, tools, tackles, equipment, consumables, labour, supervision etc. and any other material not mentioned but required to complete the entire work to the complete satisfaction of BPBCC Authority/EPIL are to be arranged by the contractor at his own expenses.

3. **Coverage of contract**

The contract for the work is complete one for labour, material and workmanship including all temporary works and the provision of all construction equipment, tools, tackle consumables etc. The contractor shall make his own arrangement for all the materials required for the due performance of the contract, except for items to be supplied by EPI to the contractor, if any, free of cost as provided expressly in this contract.

Except where it is expressly provided that the cost will be borne by EPI, the various obligations of contractor under the contract shall be at the cost of the contractor.

4. **Civil Engineering Works**
The contractor shall check the position/sizes of the various supports; connections etc. and satisfy him regarding the suitability/correctness of the structures before placing the items on the supports / foundations. If any discrepancy is observed in the structures, it must be brought to the notice of the purchaser so that necessary measures are taken for rectification of the same.

Any damage caused to the structure due to negligence on the part of the contractor shall be made good by him at his own cost.

5. **Internal Transportation**

Contractor should make his own arrangement whatsoever required to transport the materials from storage spot to the works spots where erection is to be done and also return the returnable surplus / serviceable/ scrap materials to purchaser’s designated storage points within the plant premises.

6. **Inspection of site**

The tenderer is required to inspect the site and working conditions etc. before making his offer and having submitted an offer shall be deemed to have acquainted himself with the site conditions and obtained all information.

7. **Quality**

Materials and workmanship shall satisfy the relevant Indian Standards. In absence of relevant Indian Standard, specification/code of practice covering any part of the work, the instructions of Engineer-in-Charge/project Incharge of EPI will be binding on the contractor.

Regarding tolerances, methods of work and other technical details, contractor shall strictly follow the technical specification, manufacturer’s instruction, approved drawings and manuals etc.

8. **Time of completion**

The entire work of design, installation, testing & commissioning shall be completed within 06 (Six) months , excluding the maintenance period of 730 days which will be dealt separately and a prior notice will be issued for commencement of the maintenance period..

9. **Mobilization at site**

Contractor shall mobilize adequate manpower, (Degree holder Engineer with 3-5 year’s experience) machines, tools & tackle, etc., at site well in time in order to complete the job within stipulated completion period.
10. **Retention Money**

The retention money shall be deducted from each running bill of the PARTY at 8% (eight percent only) of the gross value of the Running Account. The Earnest Money Deposited by the tenderer in the form of Demand Draft will be treated as part of the Retention Money. The Retention Money shall be refunded to the Contactor after expiry of defects liability period.

11. **Security Deposit-cum-Performance Guarantee**

The contractor is required to furnish security-cum-performance guarantee equal to 5 % (Five percent) of total order value within 10 (Ten) days from the date of receipt of LOI/Work Order for due and proper fulfillment of the contract. The Security cum Performance Guarantee is to be deposited in the form of an unconditional irrevocable Bank Guarantee from a Scheduled Bank in EPI’s proforma, valid up to Sixty months after taking over of the site by BPBCC

12. **Liquidated Damages for Delay**

Delivery period is the essence of contract. In the event of delay on the part of the contractor in completing the work in all respects, the contractor shall pay to the purchaser, liquidated damages for delay at the rate of ½ % (half percent) of the total order value for every week of delay or part thereof subject to a maximum of 5% of the total order value

13. **Price**

Price should be FOR, Construction of Police Academy Project site, Rajgir, Nalanda, Bihar basis and inclusive of Taxes Duties packing, forwarding, freight, transit insurance, Octroi, including loading, unloading, handling etc.

14. **Price Basis**

Price shall remain firm and fixed and no variation shall be acceptable on any account whatsoever till all obligations of the contractor under this contract are fulfilled in all respects

15. **Taxes & Duties**
The price is inclusive of all taxes, duties, levies etc. including service tax as applicable. However, while raising invoice, contractor has to provide proper tax invoice to EPI showing therein the taxes/duties involved separately along with applicable percentage.
The contractor shall be solely responsible for and pay all duties, levies and taxes lawfully assessed against the contractor or any of his employees or personnel engaged by him and shall hold the purchaser indemnified and harmless against any claims that may be made against the purchaser in this behalf.

Deduction of Income Tax at source will be made as per rules.

16. **Payment Terms:**

**Design, Supply, Testing & Commissioning**

1. 2.5% of the order value (Sl. No A+B) specified in the Price Schedule (Sl. No A+B) shall be released on submission of the documents (Design, All Drawing etc.) as mentioned in ACC clause no 36 & 37.
2. 2.5% of the order value (Sl. No A+B) specified in the Price Schedule (Sl. No A+B) shall be released after getting approval of Design, drawings and shop drawing from Client/Consultant.
3. 70% of the order value (Sl. No A+B) specified in the Price Schedule (Sl. No A+B) shall be released after completing the supply of Equipment to site and getting MRC (Material Received Certificate) from Client site office on pro-rate basis.
4. 25% of the order value (Sl. No A+B) specified in the Price Schedule (Sl. No A+B) shall be released after Erection, Testing & Commissioning of the work.

**Maintenance**

5. Maintenance amount as mentioned in the price schedule (Sl. No. C) will be paid monthly i.e order value mentioned in price schedule (Sl. No. C) Divided by 24.

17. **Escalation, idle time, etc.**

Escalation, idle time and interest charges on any account whatsoever shall not be payable to the contractor.

18. **Place for receipt and issue of materials**

Materials to be unloaded and stored at contractors Store in his own custody and handling of material from and to the contractors store to be done at his own cost. For any case of loss or pilferage of material, the Purchaser shall not be held responsible
Contractor shall bear all other costs including lifting, safe custody and handling,
transportation from and to Contractor’s store stores etc.

19. **Insurance**

Contractor shall arrange all types of required insurance like CAR policy, Workmen compensation , policy for construction equipment, transit insurance policy etc. at his own expense as per clause No. 17 & 18 of GCC of EPI

In case EPI arrange the CAR Policy for the entire project, the proportionate value of premium shall be deducted from any amount payable to the contractor

20. **Construction facilities at BPBCC, Rajgir site**

No facilities / utilities including supply of water and electricity will be provided to the contractor. All these are to be arranged by the contractor at his own expense.

21. **Defects liability period**

The Clause no 74 of GCC shall be modified as under:-

a) Defects liability period is 36 months from the date of taking over of site by BPBCC. The maintenance period of 730 days is not included in the above said defect liability period. The maintenance contract shall be dealt separately and a prior notice will be given to the contractor to commence the work under maintenance contract.

b) During the defects liability period defined above, the contractor will be liable to make good any defect/replace defective parts whether arising from faulty materials or workmanship or erection or from any act of commission or omission of the contractor. All such rectification/replacement shall be done at site and return of the defective parts shall be arranged by the contractor at his own expense.

c) Warranty for any defective parts or material requiring replacement or rectification by contractor shall extend until the expiry of 6 (six) months from the date of replacement or rectification by contractor or until the end of the period as per sub-clause (a) above, whichever is later and moreover the warranty period for the entire scope of work of the contractor under this order shall be extended by a period equal to the period during which the plant is out of action as result of defect covered by warranty.
22. **Tests & Inspection**

All materials and works shall be subject to purchaser’s inspection and approval as per approved QAP (to be made & approved by BPBCC) / drawings / relevant IS and contractor shall give notice to the purchaser well in advance.

a) Inspection or approval by purchaser shall not relieve the contractor of any of his obligation under this contract. No certificate of the purchaser shall by itself be conclusive evidence that any work or materials to which it relates are in accordance with the contract.

b) Issue of inspection certificate will in no way exempt the contractor from his obligations.

23. **Labour wages & Provident Fund Contingencies**

The contractor shall comply with all requirements regarding labour as detailed at clauses 21, 22 and 23 of GCC the copy of which may be collected from EPI Office on any working day. Contractor shall submit regularly documents related to payment of wages, P.F., Insurance under Workmen’s Compensation Act / ESI as may be applicable.

**Duties of Contractor:**
Contractor shall, within seven days of the close of every month, submit to the principle employer a Statement in the enclosed Format support by ECR and TRRN of respective month showing the recoveries of contributions in respect of employees employed by or through him and shall also furnish to him such information as the principle employer is required to furnish under the provisions of Scheme to the Commissioner.

24. **Liaison jobs with BPBCC and Govt. statutory authority.**

The contractor is responsible for obtaining all statutory approvals during the works being carried out by them and thereafter. Necessary liaising jobs to be undertaken wherever required with no extra claim including with BPBCC for getting the design and drawings approved, measurement of work, joint material and work inspection reports, verification of work bills etc. by them as well as with the Govt. statutory authority like Pollution Control Board, local municipal corporation etc. or from any other public/Govt. statutory body for their clearances.
25. **Safety**

The contractor shall comply with all requirements regarding safety as detailed at GCC the copy of which may be collected from EPI Office on any working day or may be downloaded from EPI Website.

All statutory safety rules and regulations prevailing in the area and as prescribed by the company shall be observed by the contractor. The contractor shall be responsible for paying strict attention to statutory regulations for prevention of accidents and to other safety rules. The regulation for prevention of accidents shall be strictly followed.

The contractor shall acquaint himself with all the relevant statutory regulations such as Indian Electricity Rules etc. and comply with the regulations.

The contractor shall be responsible for safety arrangements and protective clothing for all operatives on the site whether or not engaged in actual operation or supervision. The contractor shall also be responsible for safety arrangements of all equipment used for erection / construction and shall employ trend workmen conversant with safety regulation. The contractor shall use only tested equipment and tools and shall periodically renew tests. All test certificates shall be made available at the site of work.

26. **Labour Laws**

The contractor shall arrange labour license as applicable and also comply with all statutory requirements as per various labour laws in force and to be enforced during the period of work at his own cost.

27. **Watching & Lighting**

The contractor shall provide and maintain at his own expense all lights, guards, fencing and watching when and where necessary or required by the purchaser for the protection of the works or for the safety and convenience of those employed on the work or others.

28. **Timing, Gate Pass Procedures, etc.**

Timing, gate pass procedures, safety precautions, materials entry procedures etc. have to be observed by the contractor as applicable under the BPBCC / Govt. Rules & Regulations.

Security pass and tokens issued by BPBCC shall be returned to the security
office immediately after completion of work and certificate to this effect shall be obtained from BPBCC office by contractor, which will have to be produced for claiming balance payment / final payment.

29. **Electricity and Water as per other party’s work order.**

The party has to make his own arrangement for water and power as required at his own cost. Any compensation in time for arranging water and electricity will not be entitled.

30. **Accommodation**

Accommodation (Residential or office) will not be provided by purchaser.

31. **Clearance of site on completion**

On completion of work all construction plants, vats, tanks, materials/rubbish and temporary structure of any sort or kind used for the purpose of or connected with construction are to be removed by the contractor and all pits and excavations filled up and the site handed over in a tidy and workmanlike condition, No final payment in settlement of the accounts for the works shall be held to be due or shall be made to the contractor till such site clearance shall have been affected by him.

In the event of the contractor failing the comply with this provision within 7 days after receiving notice in writing from EPI to the effect such clearance may be made by EPI at the expense of the contractor and EPI shall under no circumstances be held liable for any loss or damage to such contractor’s property as may be on site due to removal there from.

32. **Patent Right and Secrecy**

Any information, data, specifications, drawings, documents, instructions relating to the process of work performed under this order shall be regarded as confidential and contractor will not reveal their contents to any unauthorized party.

The Contractor shall defend any claim which alleges in a suit or proceeding against the Purchaser that the materials / or any part thereof or any process of manufacture constitute an infringement of any patent, if notified in writing and given authority, information and assignments for the defense and the manufacturer/Contractor shall keep the purchaser indemnified in this regard.
Contractor, on completion and take over of the executed work, shall return all the drawings/document, issued by the Purchaser for the purpose of execution of the work.

33. **Discontinuation of work**

In case of any disputes attributable to the contractor which may lead to discontinuation of disruption of work at any stage of execution of contract, EPI shall have the authority to terminate the contract after issuing proper notice to the contractor. Thereafter, EPI shall place a fresh order to other agency and get the remaining portion of the work completed at the risk and cost of the contractor.

In case any defect / liability noticed during warranty period which is attributable to the contractor, the same shall be attended by the contractor within 48 hours EPI’s notice, failing which the rectification shall be carried out by EPI at the risk & cost of the contractor.

Contractors should furnish the following along with invoices otherwise the same will not likely to be processed for payment.

- Up to date PF statement of contractor labour
- Up to date ESI statement of contractor labour.

The contractor shall return to the purchaser all crates, packing cases and packing materials and all returnable supplies including excess commissioning spares, oil and lubricants etc. at a place designated by the purchaser.

34. **Quantity variation :**

±50% of the total Contract value. There is no limit of variations for individual item.

35. **Mobilization Advance:**

No mobilization advance will be paid.

36. 05 (Five) sets of each of the following documents as per provisions of BOQ as well as 05 (Five sets each of Process control and Control Philosophy are required to submitted by the successful Bidder.

a) Detail civil GA drawings.
b) P&I Diagram,
c) Schematic diagram.
d) Process control.
e) Control Philosophy.

37. The following documents shall be submitted by Contractor:
i. Design of Bio gas Plant including civil work (civil work to be done by EPI)

ii. Basic Drawing, Scheme Drawing, Shop Drawing & BOQ

The above documents should be furnished within one month from the date of LOI and contractor shall get these drawings approved from client/consultant. Manufacturing clearance shall be given after approval of above document.

38. **SET OF TENDER DOCUMENTS** - Clause no. 6.0 of EPI's GCC shall be modified as under:-

The set of tender documents shall contain one set of hard copy of tender drawings. The original hard copy of tender drawings shall be returned along with the tender documents duly signed and stamped by the tenderer and shall form part of agreement. The following documents will complete a set of Tender Documents

A) Volume-I:

   i) Notice Inviting Tender,
   ii) Addendum to ITT
   iii) ITT & EPI's General Conditions of Contract (soft copy)

B) Volume-II:

   i) Additional Conditions of Contract (ACC)
   ii) Technical Specification
   iii) Memorandum

C) Volume-III:

   i) Un-Price Bid and Bill of Quantities

D) Volume-IV:

   i) Drawing

39. **Operation and maintenance Training:**

Contractor shall arrange training for operation and maintenance of the erected bio-gas plant to the personnel nominated by EPI /BPBCC for this purpose.

40. **Jurisdiction:**

Courts in Patna.

41. All Product/items makes and product/items specifications shall be subjected to approval of Client/Consultant.
42. **Work Schedule:**

1. Party shall submit documents as mentioned in ACC Clause no 36 & 37 and get approval of these documents from client /consultant within 1 month from date of issue of LOI.
2. Party shall get manufacturing clearance from Client/Consultant within 1 month.
3. Party shall supply Equipment within 4 months from the date of issue of manufacturing clearance.
4. Party should complete erection, testing & commissioning within one month after handing over of the civil & allied works to the party.

43. **All other terms and conditions shall be as per General Conditions of Contract (GCC) of EPI as applicable.**

44. **Arbitration**

Both EPI and the PARTY shall make efforts to settle disputes, if any amicably. Only if amicable settlement is not possible, the same shall be referred to the Sole Arbitration of the Chairman & Managing Director (CMD) of EPI or the person appointed by the CMD, EPI and the decision of the arbitrator shall be final and binding on the “PARTY”. Arbitration will be according to “Conciliation” clause, which is enclosed at Annexure – I.
CONCILIATION AND ARBITRATION

Before resorting to arbitration as per the clause given below, the parties if they so agree may explore the possibility of conciliation as per the provisions of Part – III of the Arbitration Conciliation and Act. 1996. When such conciliation has failed, the parties shall adopt the following procedure for arbitration:-

1. Except where otherwise provided for in the contract, any disputes and differences relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and so to the quality of workmanship or materials used in the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof shall be referred to the Sole Arbitration of the Chairman and Managing Director (CMD) of Engineering Projects (India) Limited (EPI), or any other person discharging the functions of CMD of EPI and if CMD or such person discharging the functions of CMD of EPI is unable to act, to the Sole Arbitration of some other person appointed by the CMD of EPI or such other person discharging the functions of CMD of EPI. There will be no objection if the arbitrator so appointed is an employee of EPI. However, such an employee shall not have directly dealt with the said contract or the works there under on behalf of EPI. Such Arbitrator shall be appointed within 30 days of the receipt of letter of invocation of arbitration duly satisfying the requirements of this clause.

2. If there arbitrator so appointed resigns his appointment, is unable or unwilling to act due to any reason whatsoever, or dies the Chairman & Managing Director aforesaid or in his absence the person discharging the duties of the CMD of EPI may appoint a new arbitrator in accordance with these terms and conditions of the contract, to act in his place and the new arbitrator so appointed may proceed from the stage at which it was left by his predecessor.

3. It is a terms of the contract that the party invoking the arbitration shall specify the dispute/ differences or questions to be referred to the arbitrator under this clause together with the amounts claimed in respect of each dispute.

4. The arbitrator may proceed with the arbitration ex-parte, if either party, in spite of a notice from the arbitrator, fails to take part in the proceeding
5. The work under the contract shall continue, if required, during the arbitration proceedings

6. The Arbitrator shall make speaking Award and give reasons for his decision in respect of each dispute/claim along with the sums awarded separately on each individual item of dispute or difference or claims. The Arbitrator shall make separate award on each reference made to him.

7. The award of the arbitrator shall be final, conclusive and binding on both the parties.

8. Subject to the aforesaid, the provisions of the Arbitration and Conciliation Act, 1996 or any statutory modifications or re-enactment thereof and the Rules made there under and for the time being in force shall apply to the arbitration proceedings and arbitrator shall publish his award accordingly.

Note: Notwithstanding anything contained here in above, this clause shall not be applicable where the dispute is between EPI and another Public Sector Enterprise or Govt. Department for which a separate Arbitration Clause is provided vide Clause No. A given below :-

A. ARBRATION BETWEEN PUBLIC SECTOR ENTERPRISE INTERSE and GOVERNMENT DEPARTMENTS.

1. In the event of any dispute or difference relating to the Interpretation and application of the provisions of the contract, such dispute or difference shall be referred by either party to the arbitration as per the Instructions (Office Memorandums/circulars) issued by Govt. Deptt. and another, one Govt. Deptt. and a Public Sector Enterprise and Public Sector Enterprises interse.

2. Subject to any amendment that may be carried out by the Government of India from time to time, the procedure to be followed in arbitration shall be as is contained in D.O. No. DPE/4 (10)/2001 –PMA – GLI dated 22/01/2004 of Department of Public Enterprise Ministry of Heavy Industries and Public Enterprise or any modification issued in this regard.
NAME & ADDRESS OF PRINCIPAL EMPLOYER: DL/

NAME & ADDRESS OF CONTRACTOR:

PF CODE OF CONTRACTOR:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of Employee</th>
<th>Father’s Name</th>
<th>Date of Joining</th>
<th>PF A/c No.</th>
<th>No. of days worked</th>
<th>Total wages paid (Rs.)</th>
<th>Wages for PF</th>
<th>Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I/we hereby certify that all the above employees who were actually deployed in your establishment during ______________ have been covered under EPF & M P Act, 1952 and the contribution in r/o them for the month of ______________ have been remitted by me/us under PF code No. DL/____________________ maintained at RO/SRO _______________________

Date: __________________________ Signature & Seal of Contractor
PERFORMA STATEMENT TO BE OBTAINED FROM CONTRACTOR ON MONTHLY BASIS

NAME & ADDRESS OF PRINCIPLE EMPLOYER:  

NAME & ADDRESS OF CONTRACTOR:  

PF CODE OF CONTRACTOR:  

MONTH:  

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of employee</th>
<th>Father's name</th>
<th>Date of joining</th>
<th>PF A/c No.</th>
<th>No. of days worked</th>
<th>Total wages paid (Rs.)</th>
<th>Wages for PF</th>
<th>Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I/we hereby certify that all the above employees who were actually deployed in your establishment during ____________ have been covered under EPF & MP Act, 1952 and the contribution in r/o them for the month of ____________ have been remitted by me/us under PF code No. DL/____________ maintained at RO/SRO ____________.

Date:  

Signature & Seal of Contractor
INTRODUCTION

Bihar Police Building Construction Corporation has decided to Construct Bihar Police Academy at Rajgir, Nalanda

Description of the Project and scope of work:

The project site is located at Rajgir and the scope of works include design, basic and detail engineering submission of drawing for approval, manufacture supply, installation, testing & commissioning of Bio Gas Plant with other related works as per BOQ (enclosed).

Technical specification of Bio Gas Plant:

Contractor shall ensure submission of detail civil GA, Structural Drawing, P & I diagrams, schematic diagrams, for below mentioned component & additional component if so required for the complete working of the BIO GAS PLANT. Design, supply, installation, testing & commissioning of BIO GAS SYSTEM for the following duty nature of effluent-Vegetable waste from kitchen@150 gm per person for 3300 person grouped as 350 users Max of

BIO GAS Plant shall include the following:

- Receiving & Sorting Platform with cover
- Primary Digester
- Secondary Digester
- Bio Gas Slurry
- Waste Water Collection
- Crushing and Plumbing System
- Receiving Well with Filtration Plant
- Control Room
- Waste Water Collection

Submersible Sump Pump (3 Nos-2 working and 1 standby)

- Flow rate (each)-15KL/Hr
- Head-15mtr.

Sludge transfer/recirculation pump (1W+1S)

- Flow rate (each)-4.5KL/Hr
- Head-12-15mtr

Plant room Sump Pump with SS body and SS impellerpump:

- Flow rate (each)-20 KL/Hr
- Head-25 mtr.
The above rate for pumps with CI body & SS impeller, material of construction.

**Air Handling System shall include the following**

- 3 Nos twin lobe rotary air blowers (Two working and One standby) capable of delivering 350m³/hr of free air at 0.6 kg/cm² driven through "V" belt or directly coupled with flexible coupling to a TEFC motor of suitable HP, SUITABLE FOR 415± 10% volts, 3 phase, 50 cycles AC supply

- Air piping shall comprise of pipes droppers/laterals with MS (epoxy coated) header complete with all fittings such as Tees, crosses, plugs, sockets, Elbows, reducers, supporters & clamps, Puddle flanges etc cutting chases and making good. Contractor to submit detail P&I indicating their proposal

- Providing and fixing all piping (as described below) with isolation control valves for making system completed

**Electrical Installation**

Design, fabrication, assembling, wiring, supply, installation, testing and commissioning of motor control center fabricated out of 14 gauge CRCA sheet. Cable gland plates shall be provided on top as well as at the bottom of the panels. Panels hall be treated with all anticorrosive process before painting as per specification with 2 coats of red oxide primer and final approved shade of powder coated paint. 2 Nos earthing terminals shall be provided for 3 phase 4 wire, 50 Hz supply system. Lifting hooks shall also be provided in case of large panels. Approval shall be taken for each panel before fabrication. Quoted rates shall be inclusive of cables (in accordance to specification) with earthing from panel to each motor/equipment.

**Work Schedule:**

1. Party shall submit documents as mentioned in ACC Clause no 36 & 37 and get approval of these documents from client /consultant within 1 month from date of issue of LOI.
2. Party shall get manufacturing clearance from Client/Consultant within 1 month.
3. Party shall supply Equipment within 4 months from the date of issue of manufacturing clearance.
4. Party should complete erection, testing & commissioning within one month after handing over of the civil & allied works to the party.