

# MEGHALAYA POWER GENERATION CORPORATION LIMITED



**OFFICE OF THE**

**SUPERINTENDING ENGINEER GENERATION CIRCLE - II  
LUMJINGSHAI, SHORT ROUND ROAD, SHILLONG – 793001,  
PHONE NO – 0364 2310278**

**TENDER**

**FOR**

**CONSTRUCTION OF ILLUMINATION OF DAM CONTROL ROOM, GALLERIES, WALK  
WAY ETC AT GaSHEP DAM 3 x 7.5 MW**

**COST OF TENDER – Rs. 500.00 (Rupees Five Hundred only).**

**TENDER FOR**

**CONSTRUCTION OF ILLUMINATION OF DAM CONTROL ROOM, GALLERIES, WALK  
WAY ETC AT GaSHEP DAM 3 x 7.5 MW**

1. To be submitted by 13:00 hours of the 03<sup>rd</sup> July, 2023.
2. Tenders shall be opened in presence of the intending tenderers or their authorized representatives at 14:30 hours of 03<sup>rd</sup> July, 2023, in the office chamber of the Superintending Engineer, Generation Circle –II, MePGCL, Shillong.
3. Detailed NIT issued to Shri/Smt/M/s -----  
-----against demand draft/banker's cheque No. -----  
---of-----Bank, dated ----- for 500.00  
(Rupees Five Hundred only).

Dated Shillong, the \_\_\_\_ 2023 Issue by:

AEE/AE  
O/o Superintending Engineer,  
GC –II, MePGCL, Shillong.



**MEGHALAYA POWER GENERATION CORPORATION LIMITED**  
**OFFICE OF THE SUPERINTENDING ENGINEER GC-II**  
**Lumjingshai, Short Round Road, Shillong – 793001**  
**MePGCL, SHILLONG**

**MePGCL**  
Generating Clean And Green Energy

**SHORT NOTICE INVITING TENDER**

**NIT No. 3 Dated 12<sup>th</sup> June, 2023**

Sealed tender is hereby invited for the following works from any experienced and reputed Electrical Contractors of MeECL/MePGCL/MePTCL/MePDCL etc. The tenders will be received by the office of the undersigned up to 13:00 hours of 03<sup>rd</sup> July, 2023, and will be opened on the same day at 14:30 hours, in presence of the intending tenderers or their authorized representatives.

NIT can be purchased from the office of the undersigned with effect from the 30<sup>th</sup> March, 2023, on all working days, during office hours.

Sl No	Name of Works	Estimated Value (Rs)	Earnest Money	Cost of NIT	Time for Completion
1.	Construction of Illumination of Dam Control Room, Galleries, Walk way etc., at GaSHEP Dam ( 3 x 7.5 MW)	26,11,059/-	1 % of the estimated value for SC/ST contractors & 2 % of the estimated value for others.	Rs 500/- (Rupees Five Hundred) only by demand draft/banker's cheque in favour of the Chief Account Officer, MeECL.	30 (Thirty) days from the date of issue of work order.

Other term, conditions, qualifications, etc may be seen from the detail NIT on purchasing the same from the office of the Superintending Engineer, Generation Circle –II, MePGCL, Shillong.

**SUPERINTENDING ENGINEER GC-II**

**MEGHALAYA POWER GENERATION CORPORATION LIMITED**

**SHORT NOTICE INVITING TENDER**

NIT No. 3

Dated: 12<sup>th</sup> June, 2023

Sealed tenders are hereby invited for the “Illumination of Dam Control Room, Galleries, Walk way etc, at the GaSHEP Dam (3x7.5 MW).” from any experienced and reputed Electrical Contractor with valid Electrical License of 33 KV & above, of MeECL/MePGCL/ MePTCL/MePDCL, with experience in supplying and installation of illumination system, in two parts bid and will be received by the undersigned up to 13:00 hours of 03<sup>rd</sup> July, 2023. The Earnest Money Deposit (EMD) and Qualifying Bids will be opened on the same date at 14:30 hours, in presence of the intending tenderers or their authorized representatives.

The Bid Documents can be available from the office of the undersigned during all working days during office hours on payment of Rs. 500.00, vide Bank Draft / Banker’s Cheque, in favour of “Chief Account Officer, MeECL”, Principal Account, payable at Shillong, clearly stating “Request for Bid Documents for the “Illumination of Dam Control Room, Galleries, Walk way etc., at Dam GaSHP (3x7.5 MW).”

Other terms, conditions, qualifications, etc may be obtained from the Bid Document.

**SUPERINTENDING ENGINEER (EL) GC – II**

NIT NO. MePGCL/SE(El)Gen/Tech-50(F)/Pt- II/2022-23/45

Dated: 12<sup>th</sup> June, 2023

Copy to:

1. The Director (Generation), MePGCL, Shillong for favour of information.
2. The Chief Engineer (Generation), MePGCL, Shillong for favour of information.
3. The Chief Engineer (PMC), MePDCL, Shillong for favour of information.
4. The Superintending Engineer (Project), Civil, MePGCL, Rongkhon, for information.
5. The Executive Engineer, MIS, MePDCL, Shillong, with a request to upload the NIT and Bid Documents in the MeECL website.
6. The Executive Engineer GED, Rongkhon, for information and necessary action.
7. Notice Board.
8. The Relevant File.

**SUPERINTENDING ENGINEER (EL) GC – II**

## **INSTRUCTION TO BIDDER**

### **1.0 GENERAL INSTRUCTIONS**

The Meghalaya Power Generation Corporation Limited hereinafter referred to as 'MePGCL'/'Owner' will receive Tenders for the "Illumination of Dam Control Room, Galleries, Walk way etc, at Dam GaSHP (3x7.5 MW). In case the tender submission and opening day falls on a holiday, then the tender will be received and opened on the next working day at the same time.

- 1.1 The tender will consist of two parts. One part of the bid will form the Qualifying Bid, comprising the Earnest Money Deposit (EMD) and Qualifying Requirements and the other part of the bid will form the Price Bid. The Bid shall be submitted in three separate envelopes, clearly marked '**EARNEST MONEY**', '**QUALIFYING REQUIREMENT**' and '**BID PRICE**'.

### **2.0 COST OF BIDDING**

- 2.1 The Bidder shall bear all costs associated with the preparation and submission of Bid and the MePGCL shall in no case be responsible or liable for these costs; regardless of the conduct or outcome of the bidding process.
- 2.2 The Bid shall be submitted along with a non-refundable amount of Rs. 500.00 (Rupees Five Hundred only), by Demand Draft / Banker's Cheque, in favour of "Chief Account Officer, MeECL", Principal Account, payable at Shillong.

### **3.0 QUALIFYING REQUIREMENTS OF BIDDERS**

- 3.1 This Tender is opened to any experienced and reputed Electrical Contractor with valid electrical license of 33KV and above of MeECL/MePGCL/MePDCL/MePTCL, who shall provide satisfactory evidence on the following, that he:
- (i) is a qualified contractor possessing valid registration/ license, who has adequate technical knowledge and practical experience, the evidence of which shall consist of Work Orders, Experience Certificates, Self/Company's profile etc.
  - (ii) does not anticipate change in the ownership during the proposed period of work/ contract (if such a change is anticipated, the scope and effect thereof shall be defined);
  - (iii) has adequate financial stability and status to meet the financial obligation pursuant to the scope of the works. He should submit the audited turnover of the last three year and the yearly turn over should not be less than Rs 783318/- (Rupees Seven Lakhs Eighty Three Thousand Three Hundred Eighteen Only). (30% of the Approved Estimate).
  - (iv) The bidder must possess at least 7 years of experience in supplying and installation of illumination system and should have put into use successfully illumination system for two different power houses/industrial plants/switchyard/sub-station, out of which one job should have been executed during last 7 years and it should have been working satisfactorily for at least one year as on the date of publication of N.I.T. The bidder shall furnish documentary proof for the same, failing which the offer may be summarily rejected.
  - (v) In case a bidder himself does not have the experience of installation of illumination system as specified above; he may outsource the work of installation & commissioning of illumination system from another party which meets the qualifying requirements in installation of illumination system as above.

The bidder shall execute collaboration/joint venture agreement with the other party who shall be severally and jointly responsible. The bidder shall furnish a copy of the agreement along with the bid.

(vi) The bidder shall submit general experience list of supplies, contracts in hand, bids submitted and performance certificates for previously executed contracts for similar illumination systems for himself and his collaborator(s)/joint venture partner(s), otherwise, the Bid shall be rejected:

(a) Three completed works costing not less than the amount of Rs 10,44,423.60 being 40% of the estimated cost of Rs. 26,11,059.00

Or

(b) Two completed works costing not less than the amount of Rs. 13, 05,529.50 being 50% of the estimated cost of Rs. 26, 11,059.00.

Or

(c) One completed works costing not less than the amount of Rs. 20, 88,847.20 being 80% of the estimated cost of Rs. 26, 11,059.00.

(vii) In support of which, he should submit certified copies of work orders along with his tender and an experience certificate signed by an officer not below the rank of Superintending Engineer or equivalent. After the tender has been opened, bidders may be required to submit detailed particulars of such works and the manner of their execution and any other information that will satisfy the Owner that, the contractor has an adequate organization including, experienced personnel to execute vigorously the work required to be carried out, according to the specifications.

The bidder has adequate financial solvency and liquid assets or availability of credit facilities of not less than Rs.45.00 Lakhs (Rupees Forty Five Lakhs) only.

(vii) Has adequate skilled manpower and working tools/machineries available to perform the works properly and expeditiously within the time period specified. The evidence shall consist of written details of the strength of employees, list of different tools/equipment's with specifications and present commitments (excluding the work under this Specification) of the Bidder.

(viii) Has established quality assurance system during his field installation activities.

3.2 In addition, the qualifying requirement stated in the accompanying 'General Term & Conditions' shall also apply.

3.3 The above stated requirements are a minimum and the Owner reserves the right to request for any additional information and also reserves the right to reject the Proposal of any Bidder, if in the opinion of the Owner, the qualification data is incomplete or the Bidder is found not qualified to satisfactorily perform the Contract.

**4.0** Broadly the scope of work shall also include but not limited to:

4.1 Lighting fixtures with lamps and accessories

4.2 Distribution board and sub-distribution boards

4.3 Street light poles and flood light poles

4.4 Ceiling fans, receptacles, switches etc.

4.5 Cables, wires, splicing/termination/connection accessories

4.6 Conduits with accessories, junction and pull boxes, terminal blocks, etc.

4.7 Earth wire and connections

- 4.8 All fittings, supports, brackets, anchor bolts, clamps etc.
- 4.9 Any other item/equipment/material for completion of the above works
- 4.10 Minor civil works like fixing of anchor bolts, breaking floors/walls for fixing conduits/ pipes/ earth conductors, sealing of wall/ floor openings after layout of conduits, pipes and earth conductor shall be carried out by the contractor. Minor civil works associated with erection of distribution boards, lighting panels, switchboards, junction boxes shall also be carried out by the contractor. Complete hardware required for fixing arrangement shall also be included in scope of supply.
- 4.11 Minor Civil works for street lighting poles, foundations, outdoor panels and outdoor trenches.
- 4.12 All equipment, tools, devices, instruments and consumables required for site assembly, erection, testing and commissioning shall be arranged by the supplier (on returnable basis except consumables).
- 4.13 The supplier shall have to co-ordinate with other working agencies and suppliers of other equipment to ensure smooth progress.

## **5.0 GENERAL TERMS AND CONDITIONS**

- 5.1 Every bidder must be a experienced and reputed Electrical Contractor for Electrical works possessing valid license. Attested copy of Registration, license should be submitted along with the Tender, failing which the Tender is liable to be rejected.
- 5.2 The MePGCL will not provide construction machinery or tools and plants to the contractor, which may be required for the execution of this work. However, in case of availability of machinery or tools and plants with the Owner and if required by the contractor, the same may be provided on chargeable basis at the rates fixed by the Owner. For providing such assistance the Departmental hiring charge will be recovered from the bills of the contractor.
- 5.3 Valid GST Certificate, PAN Card and two attested copies of current passport size photographs of the bidders must be submitted along with the tender, without which the tender is liable to be rejected.
- 5.4 Taxes/ Cess will be deducted as per the prevailing Government Orders.
- 5.5 Each bidder should carefully examine the drawings and specifications, visit the site and fully satisfy and acquaint himself, about the nature and location of work, the conditions, quality and quantity of materials required and their availability, the type of equipment and facilities available and general and local condition which affect the work or cost thereof. While working out the quoted rates, the contractor should also consider the cost of all construction materials at site including his cost of carriage from the source of procurement to the construction site subsequent cost of storage thereon, etc.
- 5.6 Forest royalty for any forest products used in the work shall be deducted from the contractor's bill at the rate as applicable to the MePGCL.
- 5.7 Firms submitting tenders should enclose a certified copy of the firm's ownership/ constitution and a certified copy of Power of Attorney authorizing a person to operate the contract and should furnish full addresses of the partners and the persons holding Power of Attorney on behalf of the firm.
- 5.8 All work shall have to be carried out as per relevant IS/IEC Code of Practice unless otherwise specified by the Engineer at site or covered by the detailed specifications for the works appended herewith. However, where requirements contained in the latest applicable IS/IEC are stricter than those are contained herein, the IS/IEC requirements shall govern.

- 5.9 The bidder shall sign every page of the tender. Every correction in the tendered rates shall bear contractor's initial before submission, failing which the tender is liable to be rejected.
- 5.10 Bidders shall submit a note on the construction methods proposed to be adopted by him in order to ensure the completion of the works under this contract within the period stipulated in this specification. This note should be supported with schedules of Construction Programme. However, the successful bidder may be required to modify the method of construction as advised by the Owner.
- 5.11 The rates quoted shall be valid for items of work for any increase or decrease in quantities as per final design and estimate. The rates should be quoted both in figures and words against each item of the schedule. All corrections should bear the dated initial of the bidder. If there is any discrepancy between the rates quoted in figure and in words, then the rates in words shall prevail.
- 5.12 The contractor must not sublet the work without the prior approval of the Owner.
- 5.13 Valid Labour License must be submitted along with the Tender, failing which the tender is liable to be rejected.
- 5.14 The contractor should furnish a copy of applicable license/ registration or proof of applying for obtaining Labour License, Registration with EPFO, ESIC & BOCW registration.
- 5.15 The contractor should submit the registration with the Meghalaya Building and other Construction Workers' Welfare Board, within 15 days of issue of work order, failing which payment shall not be released.
- 5.16 Non-tribal contractors must submit a copy of the valid trading license along with the tender.
- 5.17 Tribal contractors must submit along with their tenders a copy of the schedule tribe certificate issued by competent authority.
- 5.18 Tenders should be submitted in the specified format in sealed envelopes marked in the upper left-hand corner name of the work along with the full name and address of the Bidder and sent by registered post, if not delivered personally. The Bid shall be signed by a person or persons duly authorized to sign on behalf of the Bidder with Company seal. The Bid shall contain the name, official address and place of business of person(s) authorized to sign the bid. All pages of the Bid including entries or amendments which have been made shall be signed by the authorized signatory. Bid submitted through fax or e-mail shall not be accepted.
- 5.19 The MePGCL does not assume any responsibility for postal delay. The sealed envelope containing the tender and marked as directed above should be enclosed in another envelope properly sealed.
- 5.20 The inner and outer envelopes shall be addressed to the Owner at the following address:  
SUPERINTENDING ENGINEER GENERATION CIRCLE – II, MePGCL,  
LUMJINGSHAI, SHORT ROUND ROAD, SHILLONG – 793001,  
PHONE NO – 0364 2310278
- 5.21 The Bidder shall submit the Qualifying Requirement in One Original and two copies in sealed envelopes (marked 'ORIGINAL' and 'COPY') and superscripted as '**QUALIFYING REQUIREMENT**'. In the event of discrepancy between them, the original shall prevail.
- 5.22 The Bid shall contain no alterations, except those to comply with instructions issued by the purchaser or as necessary to correct errors made by the Bidder, in which case such alterations shall be initialed with date by the person or persons signing the Bid.



- 5.23 In case the bidder proposes deviations to the Bid Document, which may have financial implications on value of the contract, the bidder must indicate the deviations separately indicating the additional financial implication on account of the deviation.
- 5.24 Tenders will be opened in the office of The Superintending Engineer GC-II, MePGCL, Shillong, on the same date after the fixed time or receipt of the tender. The intending bidders or their authorized agents may remain present at the time of opening of tenders if so, desired. The tenders will be received up to **13:00 hours of the 03<sup>rd</sup> July, 2023 and will be opened on the same day at 14:30 hours. Tenders received later than the time prescribed above (i.e. 13:00 hours of the 03<sup>rd</sup> July, 2023, shall not be considered.**
- 5.25 The Owner may, at its discretion, extend the deadline for submission of bids by issuing an amendment, in which case all rights and obligation of the Owner and Bidders previously subject to the original deadline, shall thereafter be subject to the new deadline as extended.
- 5.26 If the envelopes are not properly sealed; the Owner shall assume no responsibility for the misplacement or pre-mature opening.
- 5.27 Any Bid received by the Owner after the deadline for submission of bids prescribed by the Owner, shall be returned unopened to the Bidder.
- 5.28 Bids once submitted cannot be modified or withdrawn.
- 5.29 To assist in the examination, evaluation and comparison of bids, the Owner may at its discretion, ask any Bidder for clarification. The request for clarification and the response shall be in writing and no change in price or substance of the Bid shall be sought, offered or permitted except as required to confirm the corrections of arithmetic errors discovered by the Owner during the evaluation of the bids. However, additional price implication of any changes required by the Owner in the offer submitted during the technical evaluation in the bids before the price opening shall be indicated.
- 5.30 The MePGCL reserves the right to accept any tender in whole or in part. The acceptance of the Tender in part only will not affect the liability of the bidders for the due performance of the contract.
- 5.31 The MePGCL is not bound to accept the lowest tender or any tender and may reject any or all tenders without assigning any reason whatsoever and reserves the right to accept/reject the tenders partly or in full and to sub-divide the work as found suitable.
- 5.32 To deal with emergency/accidental eventualities at works site, the Contractor shall make all such arrangements necessary, such as services of an ambulance etc., for Transportation to hospital at his own cost.

## **6.0 EARNEST MONEY DEPOSIT**

- 6.1 The Bidder shall furnish, as part of his Bid, an Earnest Money Deposit (EMD) amounting to 1 % of the estimated value for SC/ST and 2 % of the estimated value for others.
- 6.2 The Earnest Money Deposit shall be denominated in INR favoring “The Superintending Engineer, GC-II, MePGCL, Shillong”, and shall be in the form a Bank Guarantee / Call Deposit / Term Deposit, acceptable to the Owner, issued by a nationalized/scheduled bank in India, The EMD shall be valid for 180 days, which may be extended on the instruction of the Owner.
- 6.3 Any Bid not accompanied by an acceptable Earnest Money Deposit shall be rejected by the Owner as non-responsive.
- 6.4 The Earnest Money Deposit of unsuccessful bidder(s) shall be returned by the Owner.
- 6.5 The Earnest Money Deposit of successful bidder shall be returned on completion of the contract.

6.6 No interest shall be paid by the MePGCL on the Earnest Money Deposit.

6.7 The Earnest Money Deposit shall be forfeited:

- a) If a Bidder withdraws or modifies his Bid during the period of bid validity or extension thereof.
- b) If the Bidder does not accept the correction of his Bid price.
- c) In case of a successful Bidder, if he rejects the work order or fails to sign the agreement.

## 7.0 **BID PRICE**

7.1 The Bidder shall quote in the appropriate schedule of rates for items of works for any increase/decrease in quantity as per final designed and estimate for the entire scope of works (covered under Tenders Document) under the contract on a **FIRM** price basis, unless otherwise specified. Bidders quoting a system of pricing other than that specified run the risk of rejection.

7.2 The Bidder shall also furnish the price break-down in the appropriate schedule of Tenders Form to indicate the following:

- (i) Bidder shall indicate Bid prices in Indian Rupees only.
- (ii) The Bidder shall include Sales/ Services Tax on Works Contract, or any other similar taxes under the Sales Tax Act, as applicable in their quoted Tenders price and MePGCL would not bear any liability on this account. MePGCL shall, however, deduct such taxes at source as per the rules and issue TDS Certificate to the Contractor.
- (iii) With regards to Income Tax, surcharge on Income Tax and other corporate taxes, the Bidder shall be responsible for such payment to the concerned authorities.
- (iv) 1% Labour Cess shall be deducted from each running and final bills.

7.3 The Bidder shall submit the Bid price in One Original and two copies in sealed envelopes (marked 'ORIGINAL' and 'COPY') and superscripted as "**BID PRICE**". In the event of discrepancy between them, the original shall prevail.

The Bid price will be return unopened to tenderers who failed to qualify in the Qualifying Requirements.

7.4 The price bids shall be checked by the Owner for any arithmetical error in computation and summation. Errors shall be corrected by the Owner as follows:

- (i) Where there is discrepancy between amounts in figures and in words, the amounts in words shall prevail, and
- (ii) Where there is discrepancy between the unit rate and the total amount derived from the multiplication of unit rate and the quantity, the unit rate as quoted shall govern unless in the opinion of the Owner, there is an obviously gross misplacement of decimal point in the unit rate, in which case, the line item total as quoted shall govern and unit rate shall be corrected.
- (iii) In case prices for some items are given by a Bidder as lump sum where unit rates are required, the Owner reserves the right to arrive at unit rate on the basis of dividing the entered lump sum by the specified quantity.

7.5 The amount stated in the Price Schedule shall be adjusted by the Owner in accordance with the above procedure for the correction of errors and shall be considered as binding upon the bidder. If the bidder does not accept the corrected amount of bid, his bid shall be rejected and the Earnest Money Deposit (EMD) shall be forfeited.

## **8.0 AWARD CRITERIA**

The Owner shall award the Contract to the Bidder whose Bid has been determined to be substantially responsive and has been determined as successful bidder, provided further that the requisite assessment of the Bidder has been made to perform the Contract satisfactorily.

## **9.0 SIGNING OF CONTRACT**

9.1 Within 14 (fourteen) days from the date of letter of award, the Bidder or his authorized representative shall attend the office of The Superintending Engineer, GC-II, MePGCL, Shillong, for signing of the Agreement in F-2 form.

9.2 Wherever there is any variation in between the conditions of the F-2 Form and the conditions of Bid Document, the conditions of Bid Document shall prevail. However, other conditions of the F-2 Form about which nothing is mentioned in the Bid Document shall form a part of this contract.

9.3 Failure on the part of the successful Bidder to comply with the above requirement shall constitute sufficient grounds for the annulment of the award and forfeiture of the Earnest Money Deposit (EMD), in which event the Owner may make the award to the next lowest evaluated Bidder or call for new Bids.

## **10.0 OWNER'S RIGHT TO VARY QUANTITIES**

The Owner reserves the right to increase or decrease the quantity of goods valuing up to 15% of the Contract price including services, without any change in unit rates or other terms and conditions, during the execution of the contract. Any increase or decrease of quantity of items would be properly justified and approval of the Owner is required to be obtained.

## **11.0 TERMS OF PAYMENT**

The payments under the contract shall be made as per the general conditions of contracts of the bidding documents and the terms of payment under the contract shall be made as follows:

### **11.1 Progressive payment:**

85% (eighty five percent) of the construction price component shall be paid on progressively monthly basis at unit rates (quoted in the schedule of BPS) based on quantum of work done and certification by MePGCL's representative.

### **11.2 Balance payment:**

The balance of 15% (fifteen percent) of the construction price component shall be paid on successful completion and taking over by MePGCL and on completion of the guarantee period.

11.3 Invoices for verification / payment etc shall be submitted to the office of the Executive Engineer, GED, MePGCL, Rongkhon, Meghalaya.

## **12.0 EMPLOYMENT OF LABOUR**

12.1 The Contractor shall employ, for the works, regular skilled employees with experience for this particular work. No female labourer shall be employed after dark. The 2015 Amendments to the Child Labour (Prohibition and Regulation) Amendment Bill, 2012 shall govern the admissible age of labour engaged.

12.2 All traveling expenses including provisions of all necessary transport to and from site, lodging allowances and other payments to the Contractor's employees shall be the sole responsibility of the Contractor.

12.3 The number of hours of work at the site shall be decided by the Owner and the Contractor shall adhere to it. Working hours will normally be 8 (eight) hours per day, six days per week.

12.4 The Contractor's employees shall wear identification badges while on work at site.

In case the Owner becomes liable to pay any wages or dues to Labour or any Government agency under any of the provisions of the Minimum Wages Act, Workmen Compensation Act, Contract Labour Regulation Abolition Act or any other law due to acts of omission of the Contractor, the Contractor shall be liable for such payment and the same shall be recovered from the Contractor's bills.

### **13.0 METHODS AND WORKMANSHIP**

13.1 All work shall be installed in a first class, neat workman like manner by skilled mechanics/electricians skilled in the illumination field.

13.2 The erection work shall be supervised by competent supervisors holding relevant supervisory license.

13.3 All the works executed by the contractor shall be electrically and mechanically correct.

13.4 The installation shall be carried out in such a manner as to provide access to other equipment installed.

### **14.0 SURPLUS MATERIALS**

14.1 On completion of the works, all surplus materials supplied by the Owner, for erection, that remain unutilized shall be returned to the Engineer by and at the expense of the Contractor in the Owner's store(s), except for the wastage allowed for various line materials in accordance with provision of the relevant clause.

14.2 The Contractor, within 2 (two) months from the taking over of the works, shall return and account for the surplus materials, failing which necessary recoveries will be made from the outstanding bills of the Contractor.

### **15.0 GUARANTEE**

15.1 The Contractor shall warrant that the work executed will be free from defects in materials/ workmanship for a period of 12 (twelve) calendar months commencing immediately upon the satisfactory commissioning. The Contractor's liability shall be limited to the repairing/renewing of any defective portion of the work arising solely from faulty materials and / or workmanship. No repairs or replacement shall normally be carried out by the Owner when the works is under the supervision of the Contractor's supervisory Engineer.

15.2 In the event of any emergency where in the judgement of the Owner, delay would cause serious loss or damages, repairs or adjustment may be made by the Owner or a third party chosen by the Owner without advance notice to the Contractor and the cost of such work shall be paid by the Contractor. In the event such action is taken by the Owner, the Contractor will be notified promptly and he shall assist wherever possible in making necessary corrections. This shall not relieve the Contractor of his liabilities under the terms and conditions of the Contract.

15.3 If it becomes necessary for the Contractor to replace or renew any defective portions of the works, the provisions of this clause shall apply to point of the works so replaced or renewed until the expiry of 12 (twelve) months from the date of such replacement or renewal. If any defects are not remedied within a reasonable time, the Owner may proceed to do the work at the Contractor's risk and cost, but without prejudice to any other right, when the Owner may have against the Contractor in respect of such defects.

15.4 The cost of any rectification rendered necessary during the maintenance period due to defective work carried out by the Contractor, the same shall be borne by the Contractor.

The acceptance of the completed work by the Owner shall in no way relieve the Contractor of his obligations under this clause.

## **16.0 LIQUIDATED DAMAGES FOR DELAY IN COMPLETION**

If the Contractor fails to perform the work within the specified period given in the letter of award or any extension granted thereof, with respect to successful completion, the contractor shall pay to the owner as liquidated damages and not as penalty, a sum of 0.5% (half percent) of the contract price for each calendar week of delay or part thereof. However, the amount of liquidated damages for the contract shall be limited to a maximum of 5 % (five percent) of the total contract price.

## **17.0 ARBITRATION**

Settlement of any dispute arising during the execution of the contract shall be Shillong jurisdiction. The laws applicable to the contract shall be the laws in force in India. The courts of Shillong shall have exclusively jurisdiction in all matters arising under this contract.

## **18.0 PERIOD OF CONTRACT**

The time for completion of the work shall be within 30 days from the date of issue of final work order.

## **19.0 FORCE MAJEURE**

19.1 Force majeure is herein defined as any cause which is beyond the control of the contractor or the owner as the case may be, which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the contract, such as:

- (i) Natural phenomena, including but not limited to floods, droughts, earthquakes and epidemics;
- (ii) Acts of any government, domestic or foreign, including but not limited to war, declared or undeclared, priorities, guarantees and embargo.

19.2 Provided either party shall within 15(fifteen) days from the occurrence of such a cause notify the other in writing of such causes.

19.3 Neither party shall be liable to the other party for loss or damage sustained by the other party arising from any event referred to in clause or delays arising from such event.

19.4 The owner or its authorized representative on receipt of notification shall ascertain the facts and extent of the delays and suitably extend the time for completing the work or stage of work, wherein in its judgment the findings of facts justify such an extension. The period of extension of time shall be determined by the owner or his authorized representative after taking into consideration the nature of the work delayed and practicability of its execution during the period of extension. Although the time for completion of a work shall be suitably extended, such extension shall not result in any financial claim of the contractor against the owner on any account whatsoever.

## **20.0 SUPERVISION**

20.1 The engineer-in-charge shall have the overall responsibility for coordination of contractor's work and his direction shall be final.

20.2 Such direction and supervision however shall not relieve the contractor of his responsibility of correctness and quality of workmanship and of other obligation under the contract.

## **21.0 RESPONSIBILITY OF ERECTION**

21.1 The contractor shall be fully and finally responsible for proper erection, safe and satisfactory operation of plant and equipment under his scope of work to the entire satisfaction of the engineer-in-charge.

21.2 The work shall be executed in accordance with the directions, instructions, drawings and specifications which shall be supplied to the contractor by the engineer-in-charge from time to time.

21.3 If in the opinion of the contractor any work is insufficiently specified or require modification, the Contractor shall refer the same in writing to the engineer-in-charge and obtain his instruction/approval before proceeding with the work. If the contractor fails to refer such instances then responsibility for the faulty erection, poor workmanship or delay in completion shall lie with the contractor.

21.4 Equipment and material, which are wrongly installed shall be removed and re-installed to comply with the design requirement at the contractor's expense, to the satisfaction of the engineer.

## **22.0 CONTRACTOR'S RESPONSIBILITY**

22.1 The Contractor shall be responsible for the correctness of supply, erection, supervision, testing and commissioning, satisfactory operation of equipment and shall furnish the requisite guarantee thereof. The nature of equipment to be supplied by the contractor shall be such as to match with and suit the details of works outlined in the specification/estimates etc

## **23.0 PROLONGED DELAY**

If at any time it appears that the Contractor is unable to adhere to the prescribed time schedule and the delay is not due to, a cause for which the MePGCL is responsible/Force Majeure, or if the aggregate of the liquidated damages levied in terms of the provisions under clause-14, thereof has reached a maximum of five percent of the contract price, then the MePGCL may at its discretion, by further notice to the contractor either:

(i) require the Contractor to complete the works,

Or

(ii) may itself complete the works at the Contractor's risk and cost, provided that it does so in a reasonable manner,

Or

(iii) Terminate the contract.

If the MePGCL terminates the contract, it shall be entitled to recover from the Contractor any loss it has suffered.

## **24.0 SAFETY MEASURES**

24.1 All safety rules and codes as applicable to work shall be followed without exception.

24.2 All safety appliances, protective devices including insulating mats, hand gloves, aprons, helmets, shields, goggles etc. shall be provided by the Contractor for his personnel.

24.3 The Contractor shall provide guards and prominently display caution notices if access to any equipment/area is considered unsafe and hazardous.

## **25.0 Miscellaneous**

All tender shall be strictly prepared and submitted in accordance with the above instructions and terms & conditions.

**SUPERINTENDING ENGINEER (EL) GC – II**

SUPERINTENDING ENGINEER GENERATION CIRCLE - II  
LUMJINGSHAI, SHORT ROUND ROAD, SHILLONG – 793001,  
PHONE NO – 0364 2310278

**BID PROPOSAL SHEET**

TENDER

FOR

**ILLUMINATION OF DAM CONTROL ROOM, GALLERIES, WALK WAY ETC, AT GaSHEP  
DAM (3 x 7.5 MW)**

**SUMMARY OF THE BID PRICE SHEET FOR ILLUMINATION OF DAM CONTROL ROOM,  
GALLERIES & WALK-WAYS, METERING ETC AT DAM, GASHEP (3 X 7.5 MW)**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Estimated Amount (incl. of GST)</b>	<b>Remarks</b>
1	Estimate for providing Metering of 250kVA, 33/0.4 kV Transformer at Dam, Ganol SHP (3 x 7.5 MW).		Annex-I
2	Estimate for providing Electrification of Control Room Building at Dam, Ganol SHP (3 X 7.5 MW).		Annex-II
3	Estimate for providing Electrification at Power Pack Rooms at Dam, GaSHP (3 X 7.5 MW).		Annex-III
4	Estimate for providing Electrification at Instrumentation & Foundation Gallery and Gallery Adit at Dam, GaSHP (3 X 7.5 MW).		Annex-IV
6	Estimate for providing External Electrification (Street & Flood Lighting) at Dam, Ganol SHP (3 X 7.5 MW).		Annex-V
	<b>TOTAL</b>		

(In Words

)



**BID PRICE SHEET FOR PROVIDING METERING OF 250KVA, 33/0.4 KV TRANSFORMER AT DAM**

Sl. No.	Particulars of Items	Qty	Unit	Rate (in Rs)	Amount (in Rs)	Remarks
1	<b>Item No: 47</b>					
	Supplying and fixing wall/floor mounted metal board of welded construction & fabrication with minimum (50x5)mm angle iron frame work with horizontal & vertical intermediate members of suitable angle/flat iron covered with 1mm MS sheet for mounting of switchgear including painting as required.					
	(c) Iron frame board (1000 x 1000 x 200)mm	1	each			
2	<b>Metering &amp; Accessories:</b>					
	(a) 3 Phase, 4 wire, LT Static Trivector Meter, Class 0.5 Accuracy CT operated, MODBUS Protocol, 3x240V, -/5A	1	nos.			
	(b) Meter Box, GS-MB-7450 (Syntex Price List)	1	nos.			
	(c) LT CT Ring Type of Rating 300/5A	1	nos.			
	(d) Test Terminal Block	1	nos.			
	<b>Total</b>			(in Rs)		
	<b>Total</b>			(in Rs)		

(In Words

)

**BID PRICE SHEET FOR PROVIDING ELECTRIFICATION OF CONTROL ROOM BUILDING AT  
DAM**

Sl. No.	Particulars of Items	Qty	Unit	Rate (in Rs)	Amount (in Rs)	Remarks
1	<b>Item No: 1</b>					<b>Qty:</b> i) C/R Floor = 15 ii) Office Floor = 10 iii) Terrace = 2
	Wiring in looping system with copper PVC cable 250/440V grade of size 1.5 sq.mm of approved quality using PVC casing capping including 5 Amps switch Indian best quality ceiling rose etc. capable to a highest point					
	(a) Long point wiring upto 10 mts.	9	each			
	(b) Medium point wiring upto 6 mts.	14	each			
	(c) Short point wiring upto 3 mts.	4	each			
2	<b>Items No: 3</b>					<b>Qty:</b> i) C/R Floor = 3 ii) Office Floor = 4
	Wiring as in item no. 1 complete to a light plug point when fixed on the same board	7	each			
3	<b>Item No: 4</b>					<b>Qty:</b> i) C/R Floor = 6 ii) Office Floor = 4
	Wiring to power plug as in item no.1 above with continuous earth wire complete					
	(a) Long point wiring upto 10 mts.	6	each			
	(b) Medium point wiring upto 6 mts.	4	each			
4	<b>Item No: 5</b>					at battery room
	Wiring as in Item no. 1 above to Exhaust Fan point.					
	(b) Medium point wiring upto 6 mts.	1	each			
5	<b>Item No: 8</b>					<b>Qty:</b> at Stair case = 6
	Wiring as in Item no. 1 above for Stair Case					
	(a) Long point wiring upto 10 mts.	2	each			
	(b) Medium point wiring upto 6 mts.	4	each			
6	<b>Item No: 9</b>					
	Drawing of Main & Sub-Main line with DGSD approved VIR or VC 250/440 V grade Copper Conductor in PVC Casing capping complete with all accessories					
	(a) with 2 x 2.5 sq.mm ( for Sl. No. 1 & 2 above)	135	m			
	(b) with 2 x 4 sq.mm ( for Sl. No. 3 above)	140	m			
	(c) with 2 x 6 sq.mm ( to MCB DB)	40	m			
7	<b>Item No: 55</b>					
	Supplying and Fixing of Load Kontaket Miniature Circuit Breakers (RX3 MCBs)					
	<b>A. Single pole</b>					
	(a) 6 - 32 Amp.	8	each			
8	<b>Item No: 56</b>					
	Suppling fitting & fixing of RX3 Isolators (35sq.mm cage terminals with safety shutter					
	<b>B) Double pole</b>					
	(b) 40 Amp	1	each			
9	<b>Item No: 59:</b>					
	Supplying fitting & fixing of Distribution Board SPN DB's for MCB, Isolator, RCCB & RCBO					
	A) IP 30 - # 1K 08	1	each			

	(b) 8 way + 8 Module					
10	<b>Item No: 63:</b> Supplying fitting fixing complete polish brass bracket, 16mm dia and 23cm long with cast backplate and brass lamp holder with LED bulb surface or wall mounted with all necessary (a) Bulb (vi) 14 W	16	each			<b>Qty:</b> i) C/R Floor = 5 ii) Office Floor = 3 iii) Terrace = 2 iv) Stair ways = 6
11	<b>Item No: 64:</b> Supplying fitting & fixing of LED Batten surface or wall mounted with all accessories(a) with polycarbonate housing & integrated electronic driver(iii) 20 W ( 1150 x 25 x 40 ) mm	17	each			<b>Qty:</b> i) C/R Floor = 10ii) Office Floor = 7
12	<b>Item No: 85:</b> Supplying, Fitting and Fixing of Pedastal Fan with all necessary attachments. (c) Pedastal Fan 500mm sweep	3	each			<b>Qty:</b> i) C/R Floor = 2 ii) Office Floor = 1
13	<b>Item No: 87:</b> Supplying , fitting and fixing of Exhaust Fan Double Bearing self lubricating type single phase, 50 Hz, 250V AC operated complete with supporting frame, fan blade, nuts & bolts and other petty accessories as required.					At Battery Room
	(b) Heavy Duty Exhaust Fan (iii) 450 mm (18" x 1400 rpm)	1	each			
14	<b>Item No: 170:</b> Labour Charge for wiring as in item no.1 including with all necessary wiring tools & plants etc, complete to a light point (a) with PVC Rigid pipe / Casing Capping wiring	33	each			
15	<b>Item No: 171</b> Labour Charges for Wiring as in item No 1 with all necessary wiring, tools and plants etc complete to a light plug point. (a) with PVC Rigid pipe / Casing Capping wiring	7	each			
16	<b>Item No: 174</b> Labour Charges for Wiring as in item No 1 but with 2x4 sq.mm cable fitting & fixing of 15A 3pin socket 15A Tumbler switch, wooden board or any other board as per direction & instruction by the engineer-in-charge & all necessary wiring, tools and plants etc complete to a power plug point. (a) with PVC Rigid pipe / Casing Capping wiring	10	each			
17	<b>Item No: 178:</b> Labour Charge for Tube Light Fitting & Fixing (a) Single Fitting (tube light)	17	each			
18	<b>Item No: 180:</b> Labour Charges for Fitting of MCB & Isolator only (b) 6-32 A (c) 40 A	8 1	each each			
<b>Total</b>						<b>(in Rs)</b>

(In Words

)

**BID PRICE SHEET FOR PROVIDING ELECTRIFICATION AT POWER PACK ROOMS AT DAM**

Sl. No.	Particulars of Items	Qty	Unit	Rate (in Rs)	Amount (in Rs)	Remarks
1	<b>Item No: 1</b>					
	Wiring in looping system with copper PVC cable 250/440V grade of size 1.5 sq.mm of approved quality using PVC casing capping including 5 Amps switch Indian best quality ceiling rose etc. capable to a highest point					
	(a) Long point wiring upto 10 mts.	8	each			
	(b) Medium point wiring upto 6 mts.	6	each			
2	<b>Item No: 4</b>					
	Wiring to power plug as in item no.1 above with continuous earth wire complete					
	(b) Medium point wiring upto 6 mts.	3	each			
3	<b>Item No: 9</b>					
	Drawing of Main & Sub-Main line with DGSD approved VIR or VC 250/440 V grade Copper Conductor in PVC Casing capping complete with all accessories					
	(a) with 2 x 2.5 sq.mm ( for Sl. No. 1 & 2 above)	180	m			
	(b) with 2 x 4 sq.mm ( for Sl. No. 3 above)	180	m			
	(c) with 2 x 6 sq.mm ( for MCB DB)	40	m			
4	<b>Item No: 55</b>					<b>Qty:</b> i) PP Room = 6 ii) External Electrification = 6
	Supplying and Fixing of Load Kontaket Miniature Circuit Breakers (RX3 MCBs)					
	<b>A. Single pole</b>					
	(a) 6 - 32 Amp.	12	each			
5	<b>Item No: 56</b>					
	Suppling fitting & fixing of RX3 Isolators (35sq.mm cage terminals with safety shutter					-
	<b>B) Double pole</b>					
	(b) 63 Amp	1	each			
6	<b>Item No: 59:</b>					
	Supplying fitting & fixing of Distribution Board SPN DB's for MCB, Isolator, RCCB & RCBO					
	A) IP 30 - # 1K 08					
	(c) 12 way + 12 Module	1	each			
7	<b>Item No: 63:</b>					
	Supplying fitting fixing complete polish brass bracket, 16mm dia and 23cm long with cast backplate and brass lamp holder with LED bulb surface or wall mounted with all necessary					
	(a) Bulb					
	(vi) 14 W	8	each			

8	<b>Item No: 64:</b> Supplying fitting & fixing of LED Batten surface or wall mounted with all accessories (a) with polycarbonate housing & integrated electronic driver (iii) 20 W ( 1150 x 25 x 40 ) mm	6	each			
9	<b>Item No: 170:</b> Labour Charge for wiring as in item no.1 including with all necessary wiring tools & plants etc, complete to a light point					
	(a) with PVC Rigid pipe / Casing Capping wiring	14	each			
10	<b>Item No: 174</b> Labour Charges for Wiring as in item No 1 but with 2x4 sq.mm cable fitting & fixing of 15A 3pin socket 15A Tumbler switch, wooden board or any other board as per direction & instruction by the engineer-in-charge & all necessary wiring, tools and plants etc complete to a power plug point. (a) with PVC Rigid pipe / Casing Capping wiring	3	each			
11	<b>Item No: 178:</b> Labour Charge for Tube Light Fitting & Fixing (a) Single Fitting (tube light)	6	each			
12	<b>Item No: 180:</b> Labour Charges for Fitting of MCB & Isolator only (b) 6-32 A	12	each			
	(d) 50 - 63 A	1	each			
	<b>Total</b>			(in Rs)		

(In Words

)

**BID PRICE SHEET FOR PROVIDING ELECTRIFICATION AT INSTRUMENTATION & FOUNDATION GALLERY AND GALLERY ADIT AT DAM**

Sl. No.	Particulars of Items	Qty	Unit	Rate (in Rs)	Amount (in Rs)	Remarks
1	<b>Item No: 1</b>					<b>Qty:</b> i) Instrumentation & Foundation Gallery = 35 ii) Gallery Adit = 11 iii) Sump Pit Gallery = 3
	Wiring in looping system with copper PVC cable 250/440V grade of size 1.5 sq.mm of approved quality using PVC casing capping including 5 Amps switch Indian best quality ceiling rose etc. capable to a highest point (a) Long point wiring upto 10 mts.	49	each			
2	<b>Item No: 4</b>					Block 2 side = 1 Block 6 side = 1
	Wiring to power plug as in item no.1 above with continuous earth wire complete (a) Long point wiring upto 10 mts.	2	each			
3	<b>Item No: 8</b>					<b>Qty:</b> i) Block 2 side = 11 ii) Block 6 side = 15
	Wiring as in item no. 1 above for stair case (a) Long point wiring upto 10 mts.	26	each			
4	<b>Item No: 9</b>					
	Drawing of Main & Sub-Main line with DGSD approved VIR or VC 250/440 V grade Copper Conductor in PVC Casing capping complete with all accessories					
	(a) with 2 x 2.5 sq.mm (for Sl. No.1 above)	160	m			
	(b) with 2 x 4 sq.mm ( for Sl. No.2 above)	150	m			
	(c) with 2 x 6 sq.mm ( to MCB DB)	40	m			
5	<b>Item No: 55</b>					
	Supplying and Fixing of Load Kontaket Miniature Circuit Breakers (RX3 MCBs) <b>A. Single pole</b> (a) 6 - 32 Amp.	8	each			
6	<b>Item No: 56</b>					-
	Suppling fitting & fixing of RX3 Isolators (35sq.mm cage terminals with safety shutter) <b>A. Double pole</b> (a) 40 Amp.	1	each			
7	<b>Item No: 59:</b>					
	Supplying fitting & fixing of Distribution Board SPN DB's for MCB, Isolator, RCCB & RCBO A) IP 30 - # 1K 08 (b) 8 way + 8 Module	1	each			
8	<b>Item No: 63:</b> Supplying fitting fixing complete polish brass bracket, 16mm dia and 23cm long with cast backplate and brass lamp holder with LED bulb surface or wall mounted with all necessary (a) Bulb (x) 18 W	75	each			<b>Qty:</b> i) Instrumentation & Foundation Gallery = 35 ii) Sump Pit Gallery = 3 Gallery Adit = 11 iii) Gallery Stair case = 26

9	<b>Item No: 79:</b> Supplying, Fitting and Fixing of Flood Light surface or wall mounted with all necessary accessories.(a) Flood light suitable for highlighting architectural features or area lighting, also suitable to rough services / installations. (for SUMP WELL)(i) 30 W	1	each			For Lighting the Sump Well Area
10	<b>Item No: 170:</b> Labour Charge for wiring as in item no.1 including with all necessary wiring tools & plants etc, complete to a light point					
	(a) with PVC Rigid pipe / Casing Capping wiring	75	each			
11	<b>Item No: 174</b> Labour Charges for Wiring as in item No 1 but with 2x4 sq.mm cable fitting & fixing of 15A 3pin socket 15A Tumbler switch, wooden board or any other board as per direction & instruction by the engineer-in-charge & all necessary wiring, tools and plants etc complete to a power plug point. (a) with PVC Rigid pipe / Casing Capping wiring	2	each			
12	<b>Item No: 180:</b> Labour Charges for Fitting of MCB & Isolator only					
	(b) 6-32 A	8	each			
	(c) 40 A	1	each			
	<b>Total</b>		(in Rs)			

(In Words

)

**BID PRICE SHEET FOR PROVIDING EXTERNAL ELECTRIFICATION (STREET & FLOOD LIGHTING) AT DAM**

Sl. No.	Particulars of Items	Qty	Unit	Rate (in Rs)	Amount (in Rs)	Remarks
1	<b>Item No. 78</b>					<b>Street Light</b>
	Supplying fitting & fixing of <b>STREET LIGHT</b> surface or wall mounted with all necessary accessories					<b>Location:</b> (i) Training wall = 2 (ii) Gallery Adit = 7 (3+4) (iii) Downstream Parapet Wall = 5 (iv) Dam Axis to Intake = 3 (v) Dam to Proposed Security Gomti = 10
	(b) LED Streetlight made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC cover having protection and impact resistance with 10KV Built-in Surge protection device.	27	each			
2	<b>Item No. 79</b>					<b>Flood Light Location:</b>
	Supplying fitting & fixing of <b>FLOOD LIGHT</b> surface or wall mounted with all necessary accessories					(i) Upstream Piers = 3 (ii) Above PP Room Walkway = 3
	(b) Flood light suitable for highlighting architectural facade and general purpose lighting					(iii) Downstream Piers = 5 (Facing Gates = 3 & Facing Bucket = 2)
	(v) 160 W	13	each			(iv) Intake = 2
3	<b>Item No. 91</b>					<b>Street Light Poles:</b>
	Supply, installation, testing & commissioning of 7 mtr high hot dip Galvanised Octagonal Pole with bottom 130mm A/F, top 70mm A/F made up of 3mm thick HT plate and 220x220x16mm base plate and 1000mm long single arm bracket complete with 4 nos M24 x 700mm long foundation bolts, RCC foundation etc as complete as required.	27	each			(i) Training wall = 2 (ii) Gallery Adit = 7 (3+4) (iii) Downstream Parapet Wall = 5 (iv) Dam Axis to Intake = 3 (v) Dam to Proposed Security Gomti = 10
5	<b>Item No. 96</b>					<b>Cable Requirement for:</b>
	Supplying, laying, testing & commissioning of PVC/XLPE Armoured cables with copper conductor 1100V, Grade of the following sizes along wall etc in ground including the cost of digging of trenches sand cushioning besides laying etc & refilling the same in layers or by supporting them on the wall.					(i) Flood light = 490 m (ii) Street light = 580 m
	(iii) 4 sq.mm					
	(b) 4 sq.mm 3 Core cable	1070	p/mtr			
	<b>Total</b>			(in Rs)		

(In Words)