



North Eastern Electric Power Corporation Ltd.
(A Government of India Enterprise)
An ISO 9001, 14001 & OHSAS 18001 Corporation

CONTRACT & PROCUREMENT WING (E)

KOPILI H.E. PLANT:: UMRONGSO – 788931:: Dist. Dima Hasao, Assam

Website-www.neepco.gov.in,

, Fax: 03670-288240/ 288254

DETAIL NOTICE INVITING QUOTATION NO. KHEP/2013/ 199 dtd.23-12-2013

Sealed single part quotations with minimum 120 days validity are invited from the manufacturer/ authorized dealer for design, supply, erection and commissioning of 20 M height High Mast tower at Kopili and Khandong Power Station of Kopili Hydro Electric Plant, NEEPCO Ltd., Umrongso, Dist. Dima Hasao, Assam, as per the scope and terms & conditions given below.

Scope:

1. The scope of this specification covers the design, manufacture, supply, transport, installation, testing and commissioning of the complete lighting system of **20 mtr. High Mast Towers**, luminaries having Stainless Steel reflectors and including the Civil Foundation Works. **Detail items specification are enclosed in the ANNEXURE-A.**
2. The incoming power supply to the control panel/feeder pillar catering power to High Mast will be given by the plant. The further interconnections, cable required from the control panel outgoings to the High mast is included in the scope of the tenderer. However, all items required for the safe and efficient operation and maintenance of the lighting system, including the high mast, whether explicitly stated in the following pages or not, shall be included by the tenderer. The tenderers are requested to visit the site before quoting to acquaint themselves of site conditions. No extra claims shall be entertained later.

Terms and conditions of the offer as under:

1. **Price basis:** The bidder shall quote Firm prices both in figures and words on the basis of FOR project site Kopili Hydro Electric Plant, NEEPCO Ltd., Umrongso, Dima Hasao Dist., Assam inclusive of packing, forwarding, loading, unloading & erection at site. In case of any discrepancy between figure and words, the amount indicated in the words will be considered.
2. **The detailed item specification with necessary catalogs and drawing of the manufacturer is to be submitted along with the offer.**
3. **Taxes:** All the taxes and duties like VAT/CST, Service taxes or any other charges shall be indicated separately.
4. **Guarantee:** The equipment & fittings shall be guaranteed for a period of 12 calendar months from the date of successful commission. The Contractor shall remain liable to replace any defective parts / materials and/or rectified any damage/deficiency that may develop or remain undetected. Such defects and/or damage/ deficiency shall be repaired or replaces as per the decision of the Engineer-in-charge and solely at the cost of the Contractor.
5. **Pre-qualification:**
 - 5.1 The tenderer should be a manufacturer or an authorized dealer of the manufacturer. Tenderers other than manufacturers shall furnish a letter from any of the reputed approved manufacturers confirming tie up for design and execution of work.

5.2 The tenderer shall have facilities like computerized lighting designs for outdoor areas, testing of photometry of luminaries as well as other tests specified in the relevant IS codes.

5.3 They shall also have enough experience in supply and installation of high mast in the country and must have installed at least 5 Nos. of similar mast till date. **Proof for the experience shall be produced along with the offer. Tenderers should have adequately qualified and experienced Engineers to carry out the job. A list of such people available with them shall be enclosed along with the offer.**

6. Mandatory requirements:

- a) Area to be illuminated – **200 mtr. Diameter** using 20 mtr. High Mast with Luminaries
- b) Necessary Test Certificate from statutory body for **High Mast Lighting Tower, Flood lights and control panel.**
- d) **Structural design calculations for stability.**

7. Additional Documents submitted along with the bid :

In addition the following documents should be submitted along with the bid in order to ensure qualification:

- a) Copy of PAN / GIR card.
- b) Valid Contract licence.
- c) VAT Registration.
- d) Copy of the Service Tax registration certificate, if applicable.
- e) Latest Banker's certificate indicating amount in support of solvency.

The above stated requirements are minimum and the Corporation 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 Corporation the qualification data is incomplete or the bidder is found not qualified to satisfactorily perform the works.

Bids which do not meet the above qualifying requirements may not be considered for evaluation

8. Approved Makes:

Tower and accessories : Bajaj/ CGL / Phillips/ Sigma / Havells.

Luminaires : Bajaj/CGL//Philips/Sigma / Havells.

Aviation lights : Bajaj/ CGL/ Philips/ Sigma.

Cables : / Gloster / Polycab/ Finolex /Universal.

- 9. Construction of foundation including soil test shall be the scope of bidder. For the purpose of construction of foundation the required materials like cement, sand & chips etc. shall be arranged by the contractor. Before starting of the foundation work the successful bidder shall approve the foundation drawing from the engineer in-charge of the Corporation.
- 10. **Direction for execution of works:** The contractor shall act and carry out all works as per instruction of Engineer In-charge (Sr. Manager, Utility, KHEP, Umrongso).
- 11. **Payment Terms:**
 - a) 100% payment of the contract price along with 100% taxes and duties shall be paid after successful supply, erection, commissioning & testing at site.
 - b) Alternatively, 90% payment with 100% taxes & duties shall be released after successful commissioning and balance 10% payment shall be retained as Contract Performance Guarantee and shall be released after 90 days from the date of expiry of the guarantee period, in the event of non submission of BG against CPG.
 - c) All the bank charges shall be borne by the supplier.

- d) Payment stipulated under this contract shall be made by the Purchaser to the Contractor after deduction of Income tax at source at the applicable rates. Purchaser shall provide the contractor with certificates for tax deducted at source and other documents, if any.

12. Completion time (including supply & works): Within 120 days from the date of formal order.

13. PERFORMANCE BANK GUARANTEE :

13.1

The successful bidder have to submit the Performance Bank Guarantee from a Nationalised Bank for an amount equivalent to 10% of contract value against supply, erection & commissioning from the date of issue of LoI / Award, by way of guarantee for the due and faithful performance of the agreement and for the due and faithful performance of the letter of intent/ award along with the other terms and condition agreed to. The bank guarantee shall be initially valid for such period to cover 90 days after the warranty period as per contract. The BG format is given along with this bid documents.

13.2

The contractor shall, on receipt of written instructions from the purchaser, at his own cost, get the validity period of Bank Guarantee furnished by him, extended from time to time as per the instruction of the Purchaser and shall furnish the extended / revised BG or any extension thereof. In case the BG is not received by the purchaser within the specific period the Purchaser entirely at his discretion shall be at liberty to encash the aforesaid Bank Guarantee.

13.3

The Performance Guarantee shall cover additionally the following guarantees to the Purchaser:

- i) The successful and satisfactory performance of the equipment supplied and erected as per the specifications and documents.
- ii) That the equipment/ items supplied by him shall free from all defects in material / workmanship, any defect noticed during the Guarantee Period shall be rectified by the supplier free of cost.

13.4

The Performance Guarantee will be returned to the contractor without any interest at the end of the 90 days after the warranty period, subject to fulfillment of the contract for supply, erection and commissioning in all respect.

13.5

The Performance Guarantee of AMC will be returned to the contractor without any interest at the end of the 90 days after the AMC for the period of 3 years.

14. Safety: the Contractor shall arrange and adopt all comprehensive safety measures and code in every stage of works and the workmen shall follow the safety measures. The contractor, shall be solely responsible for losses and / or damages arising out of any lacking in this respect and any resulted accident.

15. The Corporation is not liable for any damage or loss of the materials during transportation and work at site.

16. Submission of Bid: The bid should be submitted in sealed envelope superscripted with "Tender against NIT No.KHEP/2013/199 dtd 23-12-2013 to O/o the under mentioned by means of Registered post / by hand only.

17. The bids will be opened at the time and date mentioned below in presence of bidder or his authorized representative (if any). No electronic recording device will be permitted during opening of the bids.

i) **Last Date and Time of receipt of the bids : 15-00 hrs of. 20-02-2014.**

ii) **Date and time of opening of bids : 15-30 hrs of 20-02-2014.**

In the case of any bandh / holidays on the above mention date, the bid will be received and opened in the next working day at the same time as indicated above. No telex / fax / Telegraphic tender will be received.

18. **Earnest Money Deposit:**

EMD @2% of the quoted value in the form of **Demand Draft** duly pledged in favour of **NEEPCO Ltd.**, payable at SBI, KHEPA, Garampani Branch, P.O. Umrongso (SBI Code-4812) should be submitted along with the tender. Tender without EMD shall be rejected.

a. EMD submitted by the successful bidder shall be retained as security deposit towards satisfactory execution of the order and will be released after completion of the work.

b. EMD of the unsuccessful bidders will be returned only after finalization of the bid.

19. **The Tender fees ₹1000.00 (non-refundable), in the form of Banker's Cheque / Demand Draft drawn in favour of NEEPCO Ltd., Umrongso, have to be submitted along with the offer.**

20. Authorized dealers should submit the valid authorized dealership certificate along with the tender.

21. **Force Majeure :**

The Corporation reserves the right to suspend the work at any time under **Force Majeure** conditions which shall include but not limited to the following:

a) Acts of God, acts of public enemy, wars, insurrection, riots, disturbance, explosion etc.

b) Local disturbances and deteriorating Law and Order situation, bandh / industrial unrest of any nature.

c) Any other reason beyond control of the Corporation.

In the event of any suspension of work under **Force Majeure**, the contractor shall have no right to claim for any compensation.

22. Bids received later than the prescribed due date shall not be considered.
23. No separate tender paper shall be sold against this NIT. **Bidder shall submit the price bid along with this NIT, duly signed accepting the terms and conditions.**

The Corporation does not bind itself to accept the lowest tender and reserves the right to waive any formality in regard to submission of tender or to reject any or all tenders without assigning any reason thereof in the interest of the corporation.

Encl. i) ANNEXNRE.-A

ii) ANNEXURE-B (CPG format)

Manager (E/M)
Contract & Procurement (E)
KHEP: NEEPCO Ltd,
Umrongso-788931, Dima Hasao Dist.
Assam

ANNEXURE-A

DETAIL ITEM SPECIFICATION FOR 2 NOS HIGH MAST LIGHTING ARRANGMENT FOR KHANDONG AND KOPI LI POWER STATION

Sl No.	DESCRIPTION OF ITEM
1	Supplying, design, supply, erection and commissioning of 20 M height High Mast tower of 2(two) sections continuously tapered of 20 sides polygonal cross section presenting good visual appearance 20 M height High Mast Lantern manufactured out from heavy duty hot dip galvanised sheet as per BS-EN 10025 having a heavy duty hot dip galvanised flange at the bottom of the pole .The sections of the mast structure shall be single longitudinal welding and there shall not be any circumferential welding.The welding between Mast shaft and flange shall be done by submerged arc welding (SAW) process.The mast is to be incorporated with anchore plate, anchore nuts and bolts ,lantern carriage ,S.S. rope, power tool motor, double winch gear head frame finial aviation light, multi pairs cable, luminaires etc. The Mast is to be erected in M-20 grade RCC foundation as per enclosed design and drawing. The following:-- HIGH MAST STRUCTURE : a) Height of Mast Height make.=20 mtrs.as approved by the Deptt. b) Material construction =BS-EN 10025 c) Thickness(in mm):Top= 3 mm, Bottom= 4 mm d) Cross section of Mast in Polygon (Number of side)=20 Sides. e) Length of individual section (in mtrs):Top=9.80 mtrs.approx. Bottom=10.90 mtrs approx f) Base dia. and top diameter :Top dia.=150 mm ,Bottom dia=560mm g) Type of joints= Street fit joint. h) Length of overlap=0.70 Mt Approx. i) Metal protection treatment for Mast section=Hot dip galvanized j) Thickness of galvanisation (min)=65 Micron:Top & Bottom k) Size of opening and door at base=1200 mmX250 mm. l) Type of locking arrangement=Vandel Resistant m) Details of slack board inside the base compartment = Resin bonded plywood.610 mmX200 mmX10 mm. n) Arrangement for cable termination= TPN Isolator o) Thickness of base plate=25 mm p) Size of anchor plate and thickness=Uniform PCD of 590 mm q) Details of template=Uniform PCD of 590 mm. r) Weight in kgs.of 20 mtrs.Mast(including base plate,door,head frame)=900 kgs. Approx. s) Lightning protection finial and earthing system = To be provided DYNAMICAL LOADING AS PREVAILING AT SITE. a) Max.wind speed = As per IS-875-Part 3 1987 b) Max.gust speed time are measured =3 Seconds . c) Height above ground level these two factors = 10 mtrs d) Factor safety for wind load = 1.25. e) Factor safety for other load = 1.15

3. LANTERN CARRIAGE

- a) Material construction = Class B.M.S. Tubes
- b) Diameter of carriage ring (mm) = 710/2300 mm, Approx.
- c) Construction = To Suit Requirement
- d) Number of Joint = 1(one)
- e) Buffer arrangement between carriage and mast = PVC Sleeve on carriage
- f) Load carrying capacity = 750 kgs. = As per No. of luminaires.
- g) Total weight of assembly with fitting.
- h) Number of fitting = 2X400 W HPSV Luminaires = 6 Nos. as specified by Deptt.

4. WINCH

- a) Make or winch number of drums/winch = Double drum type.
- b) Make or winch number of drums/winch = 53:1.
- c) Capacity = 750 kgs. Approx.
- d) Operating speed = 180 RPM.
- e) Individual drum rotation = Easily Possible
- f) Individual drum rotation = Easily Possible
- g) Lubrication arrangement = Permanent oil bath.
- h) Type of Lubricant = ASE 40/90.
- i) Gear material = Cast Iron.
- j) Tested load per drum (kg) = 750 Kgs/Drum., 1500 Kgs. for winch.
- k) SWL of winch at 200 RPM = 750 Kgs.

5 STAINLESS STEEL WIRE ROPE .

- a) Make = B.W.Ltd.
- b) Grade = AISI 316
- c) Number of Ropes = 2 continuous rope.
- d) Construction = 7/19
- e) Centre core material = Stainless steel core.
- f) Diameter = 6mm
- g) Thimbles & Talurit = SS Thimble, Copper Talurit.
- h) Braking Load Capacity = 2350 Kgs. X 2.
- i) Factor safety = 5 for system full load.

6 POWER TOOL

- a) Model = Integral
- b) Input supply = 415 Volts
- c) Wattage/HP = 1100 Watts
- d) Number of speeds = Single of speed.
- e) Operating speed = 1440 RPM.
- f) Control System = Push Button

7	TORQUE KUNUTER a) b) Lifting capacity = Up to 750 Kg Adjustable / non adjustable = Adjustable c) Tripping device= Mechanical. Place of Installation: Kopili and Khandong Power Station location of Kopili Hydro Electric Plant, NEEPCO Ltd., P.O. Umrongsao-7889321, Dist. Dima Hasao, Assam. Total Quantity: 2 nos. Manager (E/M) Contract & Procurement (E) KHEP: NEEPCO Ltd, Umrongsao-788931, Dima Hasao Dist. Assam
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FORM OF BANK GUARANTEE

ANNEXURE-B

(In lieu of earnest money to be deposited with the tender)
(To be stamped in accordance with Stamp Act)

Guarantee No..... Place.....

Date.....

To,

Whereas the North Eastern Electric Power Corporation Ltd., (hereinafter referred to as the Corporation) has called for tender for.....

..... in connection with the.....
..... Project, vide NIT No..... dated
..... and whereas (hereinafter referred to as the contractor) has submitted tender / tenders for the aforesaid works / supply.

And whereas one of the conditions of the tender is that the intending bidder should furnish, in lieu of Earnest Money, a Bank Guarantee for Rs..... (Rupees.....) only alongwith the tender.

Now, therefore this witnesseth:-

We, the
(Name & address of the Bank)

having registered office at..... (hereinafter referred to as the Bank) in consideration of the Corporation entertaining the tender submitted by the contractor do hereby agree with the Corporation.

That it shall in the event of the contractor failing to keep open the tender for acceptance for a period of **eight calendar months** from the date of opening of tender and for failing to execute an agreement in the form prescribed incorporating the terms and conditions of contract as per the tender submitted by him and accepted by the Corporation with or without modifications within 30 days from the date of acceptance of the tender or to renew this Guarantee for a further period as demanded by the Corporation, pay to the Corporation without any demur, reservation, contest, recourse or protest and or without any reference to the contractor and without waiting for the results of any litigation, dispute whatsoever in this connection pending before any Court, Tribunal, Arbitrator or any other authority and on a mere demand by the Corporation the sum of Rs..... (Rupees) only.

That as to whether the occasion has arisen for the demand of the amount covered by the Bank Guarantee, the decision of the Corporation shall be final and shall be accepted by the Bank without any reference to the contractor.

That the Guarantee herein contained shall remain in full force and effect during the period taken for finalising the contract and execution of the agreement

That it shall continue to be enforceable until the Guarantee is fully discharged.

That this Bank Guarantee shall be enforceable against the Bank even if any negotiable instrument shall be outstanding against the Bank at the time of the proceeding

That is to give effect to the Guarantee the Corporation shall be at liberty to act as though the Bank were the principal debtor:

That the Bank shall not be released of its obligation under this Guarantee by any exercise by the Corporation of its liberty with reference to the matters aforesaid or any of them or by reason or any other acts of omission on the part of the Corporation or any other indulgence shown by the Corporation or by any other matter or thing whatsoever which under law would but for this provision, have the effect of relieving the Bank.

That the Guarantee shall remain in full force and effect notwithstanding any neglect or forbearance or delay in the endorsement of the same.

And that the Bank shall not revoke the Guarantee during its currency except with the previous consent in writing of the Corporation.

Notwithstanding, anything contained hereto before it is mutually agreed:

That the liability under this Bank Guarantee, shall not exceed Rs.....
(Rupees.....)only.

That it shall be in full force only for a period of.....months from the date it bears and it will hold good for any demand made by the Corporation in the meanwhile.

And that if any further extension of this Guarantee is required the same shall be extended to such required period on receiving instructions from the Corporation and failure to comply such required extension by the contractor shall be treated as claim of the above mentioned sum by the Corporation upon the Bank.

The liability or obligation of the Bank under this guarantee bond shall not be affected or suspended by any dispute between the purchaser and the supplier and the payment under this guarantee bond need not wait till the disputes are decided by a Competent Court or Tribunal or any other authority and that any payment made by the bank to the purchaser under the guarantee bond shall be deemed to have been rightfully and lawfully made.

Lastly the Bank also assures that the guarantee bond will not be discharged due to the change in the constitution of the bank or the contractor.

In witness where-of I.....the agent / Manager of the Bank, who is duly authorised in this behalf as per rules of the Bank hereby set my hand and seal to this on this day of.....

Witness.....
.....
(Signature)

(Signature).....
(Name)



.....
(Name)

Designation with

Bank Stamp.....

Authority as per Power

Of attorney No.....

(Official Address)

Dated

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Note:- (1) The BG shall be submitted preferably from a Nationalized Bank.

