



Bharat Heavy Electricals Limited

(A Government of India Undertaking)

Electronics Division

P.B.No 2606, Mysore Road, Bangalore - 560 026.

External Services Department

Notice Inviting Tender (NIT)

for

UNINTERRUPTIBLE POWER SUPPLY SYSTEM (UPS)
including BATTERY ON RENTAL BASIS at 4 x 210 MW Thermal
Power Station Stage-II TS-II at Neyveli Lignite Corporation, Neyveli.

at

4 x 210 MW Thermal Power Station TS-II Stage-II
Neyveli Lignite Corporation Limited.
NEYVELI Dist. Cuddalore
Tamil Nadu.

NIT No. : CE-ES/2014-15/11/Neyveli R&M/UPS/SJDB

Date: 08-09-2014

Tender due Date and Time: 29.09.2014 at 13:00 hrs

Tender Opening Date and Time : 29.09.2014 at 13:30 hrs

Total Number of Pages (Including Cover): 20



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भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited

(A Government of India Undertaking)

Electronics Division

P.B.No 2606, Mysore Road, Bangalore - 560 026

Gram : BHARATELEC
Phone : +91-80-26989126
+91-80-26989080
Fax : +91-80-26989222
+91-80-26989217
Email : jagadeesan@bheledn.co.in

To,

Dear Sirs,

Sub : Tender enquiry for Supply of UNINTERRUPTIBLE POWER SUPPLY SYSTEM (UPS) including BATTERY ON RENTAL BASIS AT NLC, TS - 2, STG – II R & M site (4 x 210 MW).

Tender Enquiry Number : CE/ES/2014-15/11/NEYVELI-R&M/UPS/SJDB
Tender date : 08.09.2014
Tender due Date and Time : 29.09.2014 at 13:00 hrs.
Tender Opening Date and Time : 29.09.2014 at 13:30 hrs.

Sealed tenders in single part are invited for Supply, Installation, Complete commissioning & Maintenance/Services for 24 Months on Rental Basis at NLC, TS - 2, Stage – II R & M site (4 x 210 MW), Neyveli Dist. Cuddalore, Tamil Nadu . The following details may be carefully studied and considered in responding to this enquiry.

1. No extension of time will be given for submission of offer under any circumstances.
2. Offer cover shall be super scribed with the “Tender Enquiry number, due date and time”.
3. Offer can be sent by post/courier addressed to the **Addl. General Manager / External Services Department, BHEL-EDN, P.B.No.2606, Mysore Road, Bangalore-560 026** so as to reach us before the due date and time. Offers can be handed over / submitted to Resident Manager, BHEL-EDN-NLC site, TS-II stage – II, Neyveli also.



4. Offers will be opened at Tender opening room situated near Reception, BHEL-EDN, Mysore Road Bangalore on 08.09.2014 at 13.30 hours in the presence of bidders who wish to be present.
5. The tender is for Supply of Rolling UPS on Rental Basis.
6. The validity of offer shall be for 90 days from the date of opening.
7. The prices quoted shall be FIRM. No escalation in price/s will be allowed.
8. The tender is likely to be finalized in a very short time.
9. Advance payment and interim payment will **not** be paid.
10. For any clarification on this tender, Resident Manager / EDN-NLC-Site office may please be contacted on phone no. 09489509597 / 080 - 26989126, Fax no. 080 - 26989222 / 26989217, email id: maurya@bheledn.co.in, sdbarman@bheledn.co.in

Kindly acknowledge receipt of this tender enquiry.

BHEL reserves the right to cancel or reject the offer either partly or in full without assigning any reasons thereof.

Bidder is advised to return one set duly signed in all the pages along with the offer.

Thanking you,

Yours Faithfully,
For & On behalf of BHEL-EDN

--sd--
(JAGADEESAN K)
AGM / EXTERNAL
SERVICES

PART - I

TECHNICAL BID



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IMPORTANT NOTE

PURCHASER OF THIS TENDER DOCUMENT IS ADVISED TO CHECK AND ENSURE COMPLETION OF ALL PAGES OF TENDER DOCUMENT AND REPORT ANY DISCREPANCY TIMELY FOR CORRECTIVE ACTION, IF ANY, TO THE ISSUING AUTHORITY BEFORE THE BIDS ARE SUBMITTED. ORIGINAL COPY OF TENDER DOCUMENT COMPLETE IN ALL RESPECT MUST BE SUBMITTED BACK AS PART OF THE BID WITHOUT WHICH THE SAME IS LIABLE TO BE REJECTED BY BHEL.

THIS TENDER SPECIFICATION ISSUED TO:

M/S

TABLE OF CONTENTS

Sl. No.	CONTENTS	PAGE
1	INDEX	4
2	SECTION-I TENDER NOTICE	5
3	SECTION II PROCEDURE FOR SUBMISSION OF TENDER	7-9
4	SECTION III PROJECT SYNOPSIS	10-11
5	ANNEXURE –II EFT FORMAT	12-13
6	ANNEXURE –III CERTIFICATE OF DECLARATION FOR CONFIRMING KNOWLEDGE OF SITE CONDITIONS	14
7	ANNEXURE IV NO DEVIATION CERTIFICATE	15
8	ANNEXURE –F DECLARATION SHEET	16
9	ANNEXURE –G CHECKLIST AND SCHEDULE OF GENERAL PARTICULARS	17
10	PRICE BID	18
11	RATE SCHEDULE AND PAYMENT AND DELIVERY TERMS	19

SECTION - I TENDER NOTICE

PROJECT SITE	4 x 210 MW TS-II, STAGE-II, Neyveli Lignite Corporation Limited , Neyveli Dist. Cuddalore , Tamil Nadu.
JOB	Supply of UNINTERRUPTIBLE POWER SUPPLY SYSTEM (UPS) including BATTERY ON RENTAL BASIS at 4 x 210 MW Thermal Power Station, TS-II, Stage-II at Neyveli Lignite Corporation Limited, Neyveli for 24 Months.
TENDER TYPE	TWO PART TENDER
WEB SITE FOR TENDER DETAILS	www.bhel.com & www.bheledn.com
DUE DATE & TIME FOR SUBMISSION & OPENING.	29.09.2014 Latest by 13:00 Hrs and Opening by 13:30 Hrs.

1. NLC R&M (4 x 210 MW): Rolling UPS SCOPE

S.NO	LOCATION	RATING	QTY
1	BOILER Remote IO Room	10 kVA UPS OUTPUT :110VAC 50HZ, 30AMP	1 Set
2	DCS ROOM	15 kVA UPS OUTPUT :110VAC 50HZ, 80AMP	1 Set
3	TG Remote IO Room	15 kVA UPS OUTPUT :110VAC 50HZ, 80AMP	1 Set

1.1 The UPS System of make Emerson/APC/Hitachi/Centric/Microtek with manufacturing Date not later than 2011 shall consist of 1 x 100% charger and inverter and other necessary protective devices and accessories including interconnection cables from Battery to UPS.

1.2 Transportation, Installation, Complete commissioning & Maintenance/Services for 24 Months are in Suppliers Scope.

1.3 The Vendor must be a Authorized UPS Supplier.

1.4 The vendor must clearly quote for rental price for the UPS models and must clearly mention the space occupied by the UPS Batteries.

1.5 The downtime guarantee shall be 48 hours. Downtime penalty will be calculated based on the formula: **(Number of Days Delay beyond Downtime Guarantee/30) X Monthly Rental**. The penalty will be recovered from subsequent monthly Bill.

1.6 EMD and Security Deposit are waived off.

2. GENERAL TECHNICAL REQUIREMENTS

2.1 As per detail scope of supply Point 1. The vendor must provide output sockets as per ratings given below.

Output feeder details for each UPS System is shown below.

S.NO	LOCATION	RATING	SOCKET REQUIREMENT
1	BOILER Remote IO Room	10 kVA UPS OUTPUT :110VAC 50HZ, 30AMP	30 A (ONE NO.)
2	DCS ROOM	15 kVA UPS OUTPUT :110VAC 50HZ, 80AMP	80 A 30A(TWO NO.S) 20A (ONE NO.)
3	TG Remote IO Room	15 kVA UPS OUTPUT :110VAC 50HZ, 80AMP	80 A 30A(TWO NO.S) 20A (ONE NO.)

3. DETAIL TECHNICAL SPECIFICATIONS

CAPACITY	10KVA	15KVA
INPUT		
NO. OF PHASE(SELECTABLE)	415V 3- PHASE	415V 3- PHASE
VOLTAGE RANGE	385-415V AC(0-100%LOAD)	385-415V AC(0-100%LOAD)
OUTPUT		
POWER	7KW	10KW
VOLTAGE	110V	110V
PHASE	1 PHASE 2-WIRE(P-N)	1 PHASE 2-WIRE(P-N)
BATTERY BACKUP TIME	1 Hr	1 Hr
INDICATION & ALARM	Indication Lamp with Audible Alarm to be provided	Indication Lamp with Audible Alarm to be provided.
PROTECTION	Short-Circuit, Over voltage & Under Voltage Protection	Short-Circuit, Over voltage & Under Voltage Protection

PROTECTION CLASS	IP 20	IP 20
ISOLATION	O/P NEUTRAL GROUNDED	O/P NEUTRAL GROUNDED

4. DELIVERY DETAILS:

The UPS is to be delivered to BHEL Site at NLC TS-II, Stage-II Neyveli and its working to be demonstrated within 30 Days of receipt of intimation from BHEL.

SECTION – II

PROCEDURE FOR SUBMISSION OF SEALED TENDERS

The Bidders must submit their tenders as required in three parts in separate sealed covers prominently super scribed as Part-I **Technical bid** and Part II **Price bid** also indicating on each of the cover tender specification no., due date and time as mentioned in tender notice.

COVER-I: TECHNICAL BID

Complete set of tender document included in Part I of tender consisting of General conditions of Contract, “Technical specification & Special terms and condition” issued by BHEL. All schedules, data sheets and details called for in the specification shall also be submitted along with technical bid. All details / Data / Schedules including offer letter duly signed and stamped are to be submitted.

COVER-II: PRICE BID

Bidders may please note that price bid is to be submitted only in original copy of Tender i.e. Price bid -Part-II issued by BHEL and no duplicate copy of same is required.

COVER III

These Three separate covers i.e. cover I & II shall together be kept in a Third envelope. (Cover-III) and this sealed cover shall be super scribed with Tender Reference Number, Due date, Time and submitted to Officer inviting tender as indicated in tender notice on or before due date as indicated.

PRE-QUALIFYING REQUIREMENTS:

Bidders who wish to participate should fulfill following 'Pre-Qualifying Requirements':

1. Bidders should have leased / rented similar rated rolling UPS for Industries / Offices.
2. Average Annual Turnover during the last 3 years ending 31st March of 2013-2014 Financial Year should be at least RS 225,000.
3. Experience of having successfully completed similar works during **last 7 years** ending 31.12.2013 should be either of the following :
 - a. Three similar completed works each costing not less than an amount equal to RS.300,000/- for each work.

OR

- b. Two similar completed works each costing not less than an amount equal to Rs.375,000/-.

OR

- c. One similar completed work costing not less than an amount equal to Rs.600,000/-.

Notes:

- I. The Tender Documents comprises of following-
 - a. PART I –TECHICAL BID
 - i. Tender Notice,
 - ii. Procedure for submission of Tender
 - iii. Project Synopsis
 - iv. Annexures
 - b. PART –II PRICE BID
 - i. Rate Schedule and Payment Terms.
- II. The tender documents with complete details are hosted on BHEL's web page www.bhel.com and www.bheledn.co.in
- III. Bidders intending to participate may download the tender document from the web site.
- IV. Tenders must be submitted to the undersigned latest by 13:00 Hrs. on XX.XX.2014. Technical bids shall be opened at 13:30 Hrs. on XX.XX.2014 at the office of the undersigned. Tenders received after the due date and time shall be liable to be summarily rejected.
- V. All corrigenda, addenda, amendments and clarifications to this tender will be hosted in this web page and not in the newspaper. Bidders shall keep themselves updated with all such amendments.
- VI. BHEL takes no responsibility for any loss / delay of documents or correspondences sent by courier / post.
- VII. Bids once submitted, shall not be returned.
- VIII. Unsolicited rebate / discount shall NOT be accepted after bid opening.

AGM (CE-External Services)

SECTION-III PROJECT SYNOPSIS

Neyveli Lignite Corporation Limited at Neyveli, Tamil Nadu intends to renovate and Modernize Control and Instrumentation Package of existing System for UNIT-4,5,6 AND 7 at NLC TPS-II Stage-II.

BHEL EDN is awarded the Design, Engineering, Manufacturing, Supply, Installation, Testing and Commissioning of DCS system for SG, TG , and Station C&I for Unit-4,5,6 and 7 in NLC TPS-II.

Approach to Site

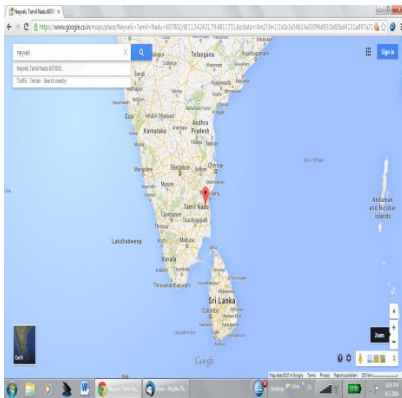
The power station is located in Neyveli TPS Stage –II TS-2

- Neyveli in the state of Tamil Nadu, Dist:Cuddalore in India,
- Located at 200 km from Chennai
- 5.0 km from Vrindhachalam — Cuddalore road and 15.0 km from Chennai - Tanjore

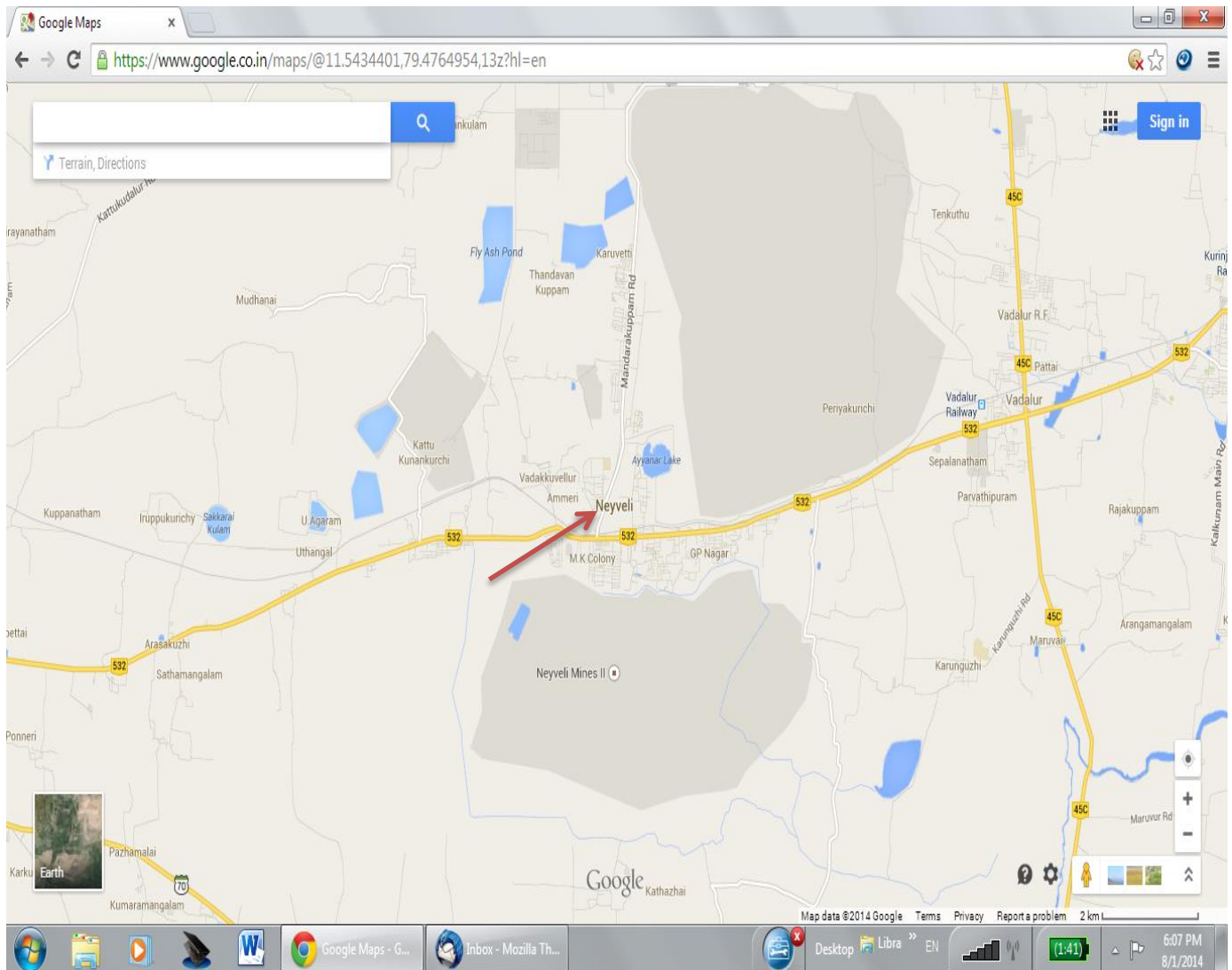
Seismic Design Requirements

The site is at seismic zone II as per IS-1893 and all construction shall conform to IS-1893.

Location of Project Site



Project Site is located at the point marked in Red Color in map.



Location Details:

- Neyveli in the state of Tamil Nadu, Dist:Cuddalore in India,
- Located at 200 km from Chennai
- 5.0 km from Vridhachalam — Cuddalore road and 15.0 km from Chennai — Tanjore Road.

ANNEXURE II
Electronic Funds Transfer (EFT) OR
Paylink Direct Credit Form

Please Fill up the form in **CAPITAL LETTERS** only.

TYPE OF REQUEST(Tick one): _____ CREATE _____ CHANGE

BHEL Vendor / Supplier Code:	
Company Name :	
Permanent Account Number(PAN):	
Address	

City: _____	PINCODE _____	STATE _____	
-------------	---------------	-------------	--

Contact Person(s)	
Telephone No:	
Fax No:	
e-mail id:	

1 Bank Name:	
2 Bank Address:	
3 Bank Telephone No:	
4 Bank Account No:	
5 Account Type: Savings/Cash Credit	
6 9 Digit Code Number of Bank and branch appearing on MICR cheque issued by Bank	
7 Bank swift Code(applicable for EFT only)	
8 Bank IFSC code(applicable for RTGS)	
9 Bank IFSC code(applicable for NEFT)	

- A I hereby certify that the particulars given above are true, correct and complete and that I, as a representative for the above named Company, hereby authorize BHEL, EDN, Bangalore to electronically deposit payments to the designated bank account.
- B If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL / transferring Bank responsible.
- C This authority remains in full force until BHEL, EDN, Bangalore receives written notification requesting a change or cancellation.
- D I have read the contents of the covering letter and agree to discharge the responsibility expected of me as a participant under ECS / EFT.

Date:

Authorized Signatory:

Designation:

Telephone NO. with STD Code

Company Seal

Bank Certificate

We certify that _____ has an Account No _____ with us and we confirm that the bank details given above are correct as per our records.

Date:

(.....)

Place:

Signature

Please return completed form along with a blank cancelled cheque or photocopy thereof to:

Bharath Heavy Electricals Ltd,

Attn:

Electronics Division, Mysore Road,

BANGALORE - 560 026

In case of any Query, please call : 080-26998657 / 26989126 or fax no.080-26998657

ANNEXURE-III

(To be submitted in Bidder's Letter head)

**CERTIFICATE OF DECLARATION FOR CONFIRMING THE
KNOWLEDGE OF SITE CONDITIONS**

We,.....

hereby declare and confirm that we have visited the project site under the subject namely,
.....

.....and acquired full knowledge about the site conditions,
wage structure, Industrial climate and total work involved.

We further confirm that the above information is true and correct and we will not raise any claim
of any nature due to lack of knowledge of site condition.

Bidder's Name and Address.

Place: (Signature of the Bidder With stamp)

Date:

ANNEXURE IV
NO DEVIATION CERTIFICATE

(To be submitted on Bidders Letter Head)

FORMAT OF UNDERTAKING

REF:

Date:

To
Bharat Heavy Electricals Limited
Electronics Division
26,Mysore Road
Bangalore 560 026

TENDER Ref. No.: CE-ES/2014-15/11/Neyveli R&M/UPS/SJDB

Dear Sir,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content and site conditions etc. We also confirm that we have not changed / modified the tender documents as appeared in the website and in case of observance at any stage , it shall be treated as null & void. We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT and we hereby confirm our unqualified acceptance to all terms and conditions as stipulated in the tender and NIT. In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void. We confirm to have submitted our offer in accordance with tender instructions.

Thanking you

Yours Faithfully

(Signature, date & seal of Authorized
Representative of the bidder)

ANNEXURE - F
DECLARATION SHEET

I, -----here by certify that, all the information and data furnished by me with regard to this Tender Specification No.-----
--- are true and complete to the best of my knowledge. I have gone through the specification, conditions and stipulations in detail and agree to comply with the requirements and intent of specification.

I, further certify that I am the duly authorized representative of the under mentioned bidder and a valid power of attorney to this effect is also enclosed.

Bidder's Name & Address

Authorized representative's signature with name and address.

ANNEXURE - G

CHECKLIST AND SCHEDULE OF GENERAL PARTICULARS

NOTE : Bidders are requested to fill in the following details and no column should be left blank

1. Name and address of the bidder

2. Phone No. (Office)/ Fax No.

4. Name & designation of the official of the bidder to whom all the references shall be made.

3. Bidder's proposal No. & date

16. Declaration sheet Yes /No
(in the format as per Annexure-F)

Date _____

(SIGNATURE OF BIDDER WITH STAMP)

WITNESS

(SIGNATURES WITH FULL PARTICULARS)

1.

2.

PART – II

PRICE BID

RATE SCHEDULE

Scope of Work: Supply of Rolling UPS for Station C&I package of Unit-4, 5, 6, 7 at Neyveli Lignite Corporation, 4 x 210 MW, TS-II, Stage-II at Neyveli, District: Cuddalore, Tamil Nadu.

SL. NO	DESCRIPTION	Rating in KVA	Monthly Rent in Figures (Rs.)	Monthly Rent in Words (Rupees)	Qty. in No, s	Sales Tax/VAT % and Value	Number of Rental Months
A	RENTAL OF UNINTERRUPTIBLE POWER SUPPLY						
1	UPS	10KVA			1		24
2	UPS	15KVA			1		24
3	UPS	15KVA			1		24
	Total Amount in Words: Rupees(Monthly Rent + Tax)						

Notes:

- Rental in Rupees per **Month** for entire scope of work as defined in this tender specification.*
- Quantity is indicative only. Rate shall be valid for any upward or downward revision in quantity without any limit.*
- In case of Poor service/Performance BHEL reserves the right to terminate the contract with One Month notice*

PAYMENT TERMS:

- Monthly billing of rental amount in first week of succeeding month.
- 100% Payment against monthly bills Duly certified by BHEL Site Engineers at NLC.
- The payment will be made from BHEL Bangalore. The bidder may please note that the Time period for relevant Processing is 45 days from the date of submission of Bills.