



## **Request For Proposal for**

Electrical Works- Supply, Installation & Repair of Street Luminaries

### **At DND Flyway**

**July 19, 2023**

Noida Toll Bridge Co. Ltd.  
Corporate Off: Toll Plaza, DND Flyway, Noida-201301  
CIN: L45101DL1996PLC315772  
Electrical Work at Delhi Noida Direct Flyway during-2023-24

## Contents

1. NOTICE INVITING BIDS.....	3
2. Other Terms & conditions of Bid .....	5
Annexures-I: Information of the Bidder .....	9
Annexure-II : Bill of Quantities (BOQ).....	11

## 1. NOTICE INVITING BIDS

- 1.1. Noida Toll Bridge Company Ltd. (NTBCL/the Company) invites Bid in a single stage from reputed Contractors who may be a sole proprietary firm, a partnership firm or a company incorporated under the Companies Act' 1956/ 2013 & having its registered office in India for award of Electrical Work of Delhi Noida Direct Flyway as per Document.
- 1.2. The Bidders shall not have a conflict of interest that affects the Bidding Process. Any Bidder found to have conflict of interest shall be disqualified. A Bidder shall be deemed to have a conflict of interest affecting the Bidding Process, if the constituent of one Bidder is also a constituent of another Bidder.
- 1.3. NTBCL shall receive Bids pursuant to this Bid Document in accordance with the terms set forth herein and as modified, altered, amended and clarified from time to time by NTBCL. Bidders shall submit Bids in accordance with such terms on or before the date specified in this document. Bidders are expected to carry out extensive survey of Designated Space and analysis at their own cost, before submitting their respective Bids for award of Electrical Work of Delhi Noida Direct Flyway. NTBCL shall provide necessary permission and assistance to the prospective Bidders in this regard
- 1.4. The Contractor has to comply with rules and regulations of "Safety and Health Management Policy"
- 1.5. Main Terms and Conditions of the Bid:

1.	Cost of Tender Document	Bidding documents may be downloaded by the contractors, <i>free of cost</i> , from the Employer's web site <a href="http://www.ntbcl.com">www.ntbcl.com</a> from July 19, 2023 onward.
2.	Earnest Money Deposit /Bid Security	₹ 1,00,000 (Rupees One Lakhs only) (refundable without interest) to be provided in the form of demand draft/RTGS only. Bank Guarantee will not be acceptable.  Bid Security will have to be in the form as specified above and shall have to be valid for <b><u>90 days beyond the validity of the Bid.</u></b>
5.	Period for Completion of the Works	The period for completion of the works shall be <b><u>2 months</u></b> period.

1.6. **Schedule of Bidding Process:**

1.	Download of Bidding Documents	July 19, 2023 onward
2.	Last date of receiving written queries by NTBCL	Mail to <a href="mailto:tendernovember2022@ntbcl.com">tendernovember2022@ntbcl.com</a> latest by 5 p.m. <b>July 24, 2023</b>
3.	Pre-bid meeting/Clarification	July 25, 2023 at 3 p.m.
5.	Last date & time of submission of Bid	July 27, 2023 by 3:30 p.m. Hard Copy of the Bids in the sealed envelope along with the Bid Security will submitted Dheeraj Kumar Executive Director Noida Toll Bridge Company Ltd., Admin Building, Ground Floor, Toll Plaza, DND Flyway, Noida, India by 3:30 p.m.
6.	Bid opening	July 28, 2023 latest by 5.30 p.m.
7.	Validity of Bid	3 (three) months from the last date of submission
9.	Authorized person for issue of RFP, amendments, extensions, queries and replies, receiving of tender documents and securities etc.	Dhirender Kumar Singh – Head Maintenance And Traffic & Security Ashok Kumar Kalia- Head Infra

1.7. **Eligibility Criteria:**

S.No.	Reference	Particulars
a)	<b>Experience</b>	The Bidder should be in business of Electrical Works in India at least for last 3 (three) years.  Previous proof of experience along with performance report issued by the concerned organizations who have issued the work order to the bidder should be submitted.
b)	<b>Turnover</b>	The average annual turnover of the bidder shall not be less than INR 40 Lakhs (Forty Lakhs) per annum and in any of the previous three financial years shall not be less than Forty Lakhs per annum

## 2. Other Terms & conditions of Bid

Bidders should read these conditions and the complete bid document carefully and comply strictly while submitting their bids.

2.1 The Bid Security and Bid Fee shall only be accepted through Electronic mode of payment like RTGS/NEFT/Inter Bank Transfer. The details of unit bank account for payment of Bid Security & Bid Fee through Electronic mode of payment are as under :

- a) Beneficiary Name : Noida Toll Bridge Company Limited
- b) Account No. : 1942201075223
- c) Beneficiary Bank : Canara Bank
- d) Beneficiary Branch : PCB, Delhi
- e) Branch IFSC Code : CNRB0001942

2.2 Bidder should specifically mention UTR No. (Unit Transaction Reference) in his bid.

2.3 The time period for completion of the work is 2 months. Employer reserves the right to reduce the scope of work and the period of Contract by giving 30 days prior notice without any compensation or loss of profit etc. and the contractor shall not be eligible to submit any claim for early termination of the contract.

2.4 Director/Manager, NTBCL reserves right to cancel the Bid without assigning any reason to the Bidder or anyone else.

2.5 Conditional Bid and casual letters sent by the contractors about the bid will not be accepted.

2.6 Any representation on the procedure of bidding after opening of bidders shall be ignored. Such parties may be debarred from bidding in future for a period of 1 year.

2.7 Bidders are requested to read the instructions in the Bid Document and visit the site before submitting the Bid.

2.8 Director/Manager (NTBCL) reserves the right to finalize the bid in a fair and transparent manner in the best interest of the Company and such decision shall be final and binding on the bidders.

2.9 Director/Manager (NTBCL) reserves the right to accept any bid not necessarily the lowest bid and reject any or all bid/ bids without assigning any reason thereof.

- 2.10 The bidder shall not assign or sublet his bid or any part thereof to any other agency without prior written approval of Director/Manager or authorized representative of NTBCL.
- 2.11 The bidder who is registered under the GST & having valid GST No., shall only be eligible to submit the bids. The GST number should be indicated and a copy attached with the bid submission.
- 2.12 The bidder shall indicate Permanent Account Number issued by the Income Tax Authority.
- 2.13 The Bill of Quantities (BOQ) are annexed at **Annexure-II**. The bidder has to quote the item wise rates and total amount in Financial Proposal of the bidding for this work.
- 2.14 All the enclosed documents, Performa's, annexures,, certificates etc. should be signed by the bidder & must be submitted.
- 2.15 Release of Bid security:
- (i) Bid security of the bidder except L1 & L2 shall be released immediately upon receipt of request by the bidder in original or through Email.
  - (ii) Bid security of the L2 bidder shall be released after execution of contract agreement by the L1 bidder or 30 days of issuance of Letter of Acceptance (LOA) to L1 bidder or bid validity period, whichever is earlier.
- Bid security of the L1 bidder shall be released after execution of contract agreement by the L1 bidder.
- 2.16 **Forfeiture of Bid Security:** The Bid Security will be forfeited in the following cases:
- (i) When bidder withdraws or modifies the offer after opening of technical bid of tender.
  - (ii) When tenderer does not submit the undertaking with respect to Clause 2.1 within the specified time.
  - (iii) No Interest will be paid by NTBCL on the Bid Security or Security Deposit.
- 2.17 Bids shall be valid for a period of 90 days from the date of opening of technical bid.
- 2.18 In the event of disagreement between NTBCL and the approved Contractor the matter will be referred to the Director/Manager-NTBCL whose decision shall be final.
- 2.19 In case of any discrepancy whatsoever, the decision of the Director/Manager, NTBCL shall be final. All the matters/disputes shall be resolved through conciliation. In case the issue is not resolved then arbitration shall be the next step. The contractor shall not file any case in any court before the final arbitration award/conciliation order is passed.
- 2.20 Any grievance leading to the legal proceedings, if any, arising out of this bid shall have to be filed within the specified timelines in courts with jurisdiction in Delhi only.

- 2.21 All taxes including GST are exclusive in the rates.
- 2.22 Project Manager will be administrator of the Work Order / Contract Agreement. Work shall be executed under the supervision of NTBCL representatives/Supervision Consultant and payment shall be released based on the certification by the Project Manager/Engineer.
- 2.23 Director/Manager, NTBCL is empowered to approve all the time extensions, variations in the contract, waiving off penalty and approval of change of scope as per site requirement on the merits of the case. They are also empowered /authorized to award the work on any other stretch also in NTBCL on the same terms & conditions to any Agency.
- 2.24 The inspection by Project Engineer will be done regularly and necessary compliances are to be done by the contractor.
- 2.25 Contractors debarred or black listed by any department/central/state government. are not eligible to bid.

Authorized Signatory  
NTBCL, Noida

## CERTIFICATE

I/We have carefully read, understood and accepted all the above terms & conditions. No additional conditions will be imposed by us. No conditions of the bid have been altered/changed.

Date:

Signature of the Bidder (S)  
along with the stamp of the firm/company.  
Also address of the Local office with phone/Fax numbers

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### **Annexures-I: Information of the Bidder**

(a) Name of the Bidder :

(b) Country of Incorporation (in case of Firm) :

(c) Address of the corporate headquarters :

and its: - branch office(s), if any, in India

(d) Details of individual(s) who will serve as the point of contact/communication for NTBCL within the Company:

(a) Name :

(b) Designation :

(c) Company :

(d) Address :

Telephone/Mobile

(e) Number :

(f) E-Mail Address :

2. Information about current Electrical Contract (Largest 3 contracts in terms of Contract Amount)

Name of party	Year of Agreement	Duration of Contract	Mode of Allotment	Aggregate Contract Fees for current year
(a)				
(b)				
(c)				
(d)				
(e)				

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3. List of Electrical Contract expired/terminated in last 3 years

Name of party	Year of Agreement	Duration of Contract	Reason for termination	No dues certificate available/can be obtained (yes/no)

4. Please provide list of litigation/arbitration currently ongoing or concluded in the last 5 years

Counter Party Name	Year of Initiation	Initiated by	Current Status	Disputed Amount

Signed

(Name of the Authorized Signatory)

Place :

Date :

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## Annexure-II : Bill of Quantities (BOQ)

### Supply & Installation of LED Luminaries at DND Flyway

**Location:** DND Flyway

**Design:** As reflected in BOQ below and as per approved sample.

**Completion Date:** 2 Month after acceptance of the Work Order inclusive of mobilization & necessary permissions period.

**Price:** The unit rates quoted to be inclusive of all costs, duties, taxes & levies etc. on supply portion & excluding with GST as applicable on installation portion required for satisfactory completion of work. Payment to be made based on actual measured quantity.

#### **A. Supply Portion**

S. No.	Item	Make	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Supply of LED luminaries 250W with protection and safety requirement as per IP-66 class-1 and IS-10322/IEC 60598.	Crompton Greaves/ Bajaj/ Wipro	Nos	400		
2	Supply of termination box covers - street light poles	GI Sheet	Nos	80		
3	Supply of L.T cable size not more than 3.5CX25 mm for poles	Havells/ Polycap/ Finolex	Mtr.	Actuals (Rate per mtr is required)		
4	Supply of Terminal Block 35mm	LNT	Nos	1000		
5	Supply of MCB 16A- SP	Havells/ LNT/ ABB	Nos	400		
6	Supply of 3 CX2.5 mm copper wire from MCB to Light Fixtures	Havells/ Polycap/ Finolex	Mtr.	5200		
7	Supply of Locks for Termination Box		No.	270		
<b>Work order Value for Supply (Rs.) including all costs excluding Tax</b>						

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## **B. Installation Portion**

<b>S. No.</b>	<b>Item</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>
1	Installation of LED luminaries 250W on existing street light poles & bracket without any modification to the existing bracket properly fixed and ensure the stability so that it is not fall on to the moving vehicle complete in all respect. (Firmly with dismantling of old/worn out light fixture complete as required	Nos	400		
2	Installation of termination box covers - street light poles	Nos	80		
3	Supply of Terminal Block 35mm	Nos	1000		
4	Supply of MCB 16A- SP	Nos	400		
5	Supply of 3 CX2.5 mm copper wire from MCB to Light Fixtures	Mtr.	5200		
6	Installation of Locks for Termination Box	No.	270		
7	Installation of L.T cable size not more than 3.5CX25 mm for poles				
<b>Work order Value for installation portion (Rs.) excluding Tax</b>					

## **C. Repairing Portion**

<b>S. No.</b>	<b>Item</b>	<b>Make</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>
1	Repairing of Termination box cover,		Nos	170		
<b>Work order Value for Repairing portion (Rs.) excluding Tax</b>						

**Extension of Time:** No extension of time shall be granted except for force majeure conditions.

**Warranty & Durability Period:** Warranty & Durability Period shall be 5 year from the completion of works or issuance of substantially completion certificate by the engineer. During this period contractor is responsible to rectify/replace the defects notified to him at his own cost.

### **Payment Terms:**

- a) Post Supply of the material, 75% payment shall be released after certification by the engineer & the balance payment @25% shall be released after satisfactory completion/ installation work
- b) Payments will be processed within 7 days after certification by the engineer.

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- c) TDS shall be deducted as per prevalent Income Tax Rules.
- d) The decision of the engineer shall be final on the measurement at site.
- e) Retention money @ 5% of work order shall be deducted from RA Bills, shall be released after expiry of 6 months from the date of the completion of the works. Retention money will be released post submission of performance guarantee equivalent to 5% of the total works valid for the Defect Liability period (DLP) 5 year after completion of work. The release of performance guarantee shall be based on the joint inspection of the work carried out 10 days prior to expiry of DLP.

**Other Terms & Conditions:**

- a) Company will effect payment after receiving the following information:-
  - a. PAN Number, GST No, Cancel Cheque
- b) The vendor is to make arrangements for installation of the luminaries at his own cost.
- c) It may be noted that high speed traffic will be on the work area. Contractor shall be responsible for smooth and uninterrupted flow of traffic during the installation & measurement of Lux level in close co-ordination with Traffic & Security department of O&M Agency of DND Flyway.
- d) Contractor will ensure safety of workmen and avoidance of any untoward accidents/incidents also ensures that the all operations are covered under Workman Compensation Act / any other statutory requirement.
- e) Supply & installation including measurement of lux level at all sites shall be done as per the standard specification (Latest revision) and relevant IS / International guidelines.
- f) NTBCL may cancel the purchase order in case of failure to deliver the LED luminaries, in accordance with any of the terms and conditions of supply, without incurring any liabilities thereof.
- g) All disputes, if any, arising in the matter shall be settled by NTBCL and the decision of Chief Executive Officer, NTBCL shall be final and binding to the parties. The dispute resolution and redressal shall be in accordance with the Laws of India and the courts at New Delhi shall have exclusive jurisdiction over all disputes arising under, pursuant to and/or in connection with this contract.
- h) LED luminaries together with LED chips, drivers, internal and external surge protector devices, necessary connectors, which meet the technical specifications as provided below at Sl. No.(i), shall be supplied at DND flyway store located near Noida end toll plaza.
- i) Technical specifications: The following are the technical specifications of LED luminaries.

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<b>Requirements</b>	<b>Reference in the LM79 / LM-80/ TM-21 test report</b>
a. LED chip installed in the Luminaries should be of any of the following makes: i. Nichia ii. Osram Opto Semiconductors iii. CREE iv. Philips Lumileds v. Sharp vi. Toyoda Gosei vii. Toshiba	Confirm
b. Bright white power LEDs shall be used in luminaries with wattages in the range of 1 W to 3(inclusive)	Confirm
c. Color Rendering Index (CRI) of the LEDs used should be greater than 70	Confirm
d. LED chip efficacy shall be greater than 135 lumens/watt at Tj 25 °C	Confirm
e. Life span of LEDs used in the luminaries should be greater than 50,000 hours at 70% light output	Confirm
f. Correlated Color Temperature (CCT) of the luminaries should be in the range of 5,000 K to 6,000 K	Confirm
g. Power factor should be greater than 0.95	Confirm
h. Operating voltage should be 130 V to 300 V universal electronic drivers with internal surge protection of 5 kV. External surge protection device should have a rating of 10 kV to be supplied separately with each fixture	Confirm
i. Total harmonic distortion should be less than 10%	Confirm
j. System efficacy of Luminaries shall be greater than 90 lumens per watt	Confirm
k. LED driver efficiency should be greater than 85%	Confirm
l. LED drive current should be in the range of 350 mA to 1,000 mA	Confirm

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m.	Operating frequency should be in the range of 50 +/- 3%	Confirm
n.	Operating temperature range should be (-)10 deg C to (+)50 deg C	Confirm
o.	Working humidity range 10% to 90% RH	Confirm
p.	Luminaries housing shall be equipped with distortion free, clear, heat resistant, toughened, UV stabilized glass/ polycarbonate cover in the front fixed to the die cast Aluminum frame fixed to the housing by means of stainless steel screws	Confirm
q.	Luminaries should meet the impact resistance IK07 requirements, as per IS 10322/ IEC 60598	Confirm
r.	Luminaries should meet the IP66 (class 1) protection and safety requirements, as per IS 10322/ IEC 60598	Confirm