

JOB No:-

16/GM(E/M)/SM(E/M)-I/E-Tender/2026-27

E-TENDER FORM



**NEW OKHLA INDUSTRIAL
DEVELOPMENT AUTHORITY**

**Name of Works:- Annual Maintenance and Repairing of
16Mtr./30Mtr. Highmast in sector-80, 81, 83, 84,
85, 86, 87, 88, 89, 90, 145, 146, 147 and 148,
Noida.**

OFFICER INVITING TENDER

GREEN NOIDA

CLEAN NOIDA

SAFE NOIDA

SAVE ELECTRICITY FOR NATION

**New Okhla Industrial Development Authority
E&M-I, SECTOR-39, NOIDA**

E-Tender Document

For

**Name of Works:- Annual Maintenance and Repairing of
16Mtr./30Mtr. Highmast in sector-80, 81,
83, 84, 85, 86, 87, 88, 89, 90, 145, 146,
147 and 148, Noida.**

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Officer Inviting Tender

INSTRUCTIONS TO BIDDERS/TENDERERS (ITB)

(A) THE TENDER DOCUMENT

1 Cost of Bid Document/ e-Tender Processing Fee

a) The tenderer shall bear all costs associated with the preparation and submission of its e-Bid and U.P. Electronics Corporation Ltd, Lucknow/ Noida Authority hereinafter referred to as “the Department”, will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the e-Bid process.

b) This tender document is available on the web site <http://etender.up.nic.in> on Noida Authority website at E-link and Corporation’s website www.uplclko.in to enable the tenderers to view, download the e-Bid document and submit e-Bids online up to the last date and time mentioned in e-Tender notice/e-tender document against this e-Tender. The tenderers shall have to pay cost of bid document/e-Tender processing fee of **Rs. 2,124.00/- (including GST) (Rupees Two Thousand One Hundred Twenty Four Only)** Please refer user manual for paying processing Fee & EMD online.

This cost of bid document/e-Tender processing fee of **Rs 2,124.00/- (including GST)** will be non-refundable. Tender without cost of bid document/e-Tender processing fee in the prescribed form, will not be accepted.

2 Contents of e-Bid Document

2.1 The scope of work, e-Bid procedure and contract terms and conditions are prescribed in the e-Bid document. The e-Bid document includes:

- (a) Invitation for e-Bid
- (b) Section I : Instruction to tenderers;
- (c) Section II : Conditions of Contract;
- (d) Section III : Technical e-Bid;
- (e) Section IV : Financial e-Bid;

2.2 The tenderer is expected to examine all instructions, forms, terms and specifications in the e-Bid document. Failure to furnish all information required as per the e-Bid document or submission of e-Bid not responsive to the e-Bid document in every respect will be at the tenderer’s risk and may result in rejection of the said e-Bid.

3 Amendment of e-Bid Document

3.1 At any time prior to the deadline for submission of e-Bid, the Department may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective tenderer, modify the e-Bid document by amendments. Such amendments shall be uploaded on the e-Procurement website [http:// etender.up.nic.in](http://etender.up.nic.in) , Noida Authority web site at E-link and Corporation’s website www.uplclko.in through corrigendum and shall form an integral part of e-Bid document. The relevant clauses of the e-Bid document shall be treated as amended accordingly.

- 3.2 It shall be the sole responsibility of the prospective tenderers to check the web site <http://etender.up.nic.in> or Corporation's website www.uplclko.in from time to time for any amendment in the e-tender document. In case of failure to get the amendments, if any, the Department shall not be responsible for it.
- 3.3 In order to allow prospective e-Tenderers a reasonable time to take the amendment into account in preparing their e-Bids, the Department, at his discretion, may extend the deadline for the submission of e-Bids. Such extensions shall be uploaded on the e-Procurement website <http://etender.up.nic.in> and Corporation's website www.uplclko.in

(B) PREPARATION OF e-Bid

4 Language of e-Bid

4.1 The e-Bid prepared by the tenderer, as well as all correspondence and documents relating to the e-Bid exchanged by the tenderer and the Department shall be written either in English or Hindi language. The correspondence and documents in Hindi must be accompanied by embedded/separate Hindi font files. Only English numerals shall be used in the e-Bid.

5 Documents Constituting the e-Bid

5.1 The e-Bid prepared by the tenderer shall comprise the following components:

(a) **Technical e-Bid** - Technical e-Bid will comprise of :

- (i) **Fee Details** – It will consist of the Rs. 2,124.00/- (including GST) (Rupees Two Thousand One Hundred Twenty Four Only) cost of tender document and prescribed earnest money in prescribed form.
- (ii) **Qualification Details** – includes copies of required documents in PDF format justifying that the tenderer is qualified to perform the contract if his/her bid is accepted and that the tenderer has financial & technical capability necessary to perform the contract and meets the criteria outlined in the Qualification Requirement and Technical Specification and fulfill all the conditions of the Contract.

(b) **Financial e-Bid** – Financial e-Bid will comprise of :

- (i) **Price Schedule/BOQ** – includes Price Schedule/BOQ in XLS format to be filled in after downloading from the e-Procurement website for this e-tender.

6 e-Bid Form

6.1 The tenderer shall complete the e-Bid Form and the appropriate Price Schedule/BOQ furnished in the e-Bid document.

7 e-Bid Currencies

Prices shall be quoted in Indian Rupees only.

8 Documents Establishing tenderer's Qualification

8.1 The tenderer shall furnish, as part of its Technical e-Bid, documents establishing the tenderer's qualification to perform the Contract if its e-Bid is accepted. The documentary evidence should be submitted by the tenderer electronically in the PDF format.

8.2 The documentary evidence of tenderer's qualification to perform the Contract if its e-Bid is accepted shall be as per Qualification Requirements specified in e-tender document.

9 e-Bid Security/Earnest Money Deposit (EMD)

9.1 The tenderer shall furnish, as part of its e-Bid, an e-Bid security/ EMD of **Rs 97,800.00/- (Rupees Ninety-Seven Thousand Eight Hundred Only)** Please refer user manual for paying processing fee & EMD Online Tender without Earnest Money in the prescribed form, will not be accepted.

9.2 Any e-Bid not secured in accordance with above shall be treated as non-responsive and rejected by the Department.

9.3 Unsuccessful tenderer's e-Bid security will be returned promptly as possible after open the price bid.

9.4 The successful tenderer's e-Bid EMD will be converted into security upon the tenderer signing the Contract.

9.5 The e-Bid security may be forfeited:

(a) if a tenderer (i) withdraws its e-Bid during the period of e-Bid validity specified by the tenderer on the e-Bid Form; or (ii) does not accept the correction of errors or (iii) modifies its e-Bid price during the period of e-Bid validity specified by the tenderer on the e-Bid form or

(b) in case of a successful tenderer, if the tenderer fails:

(i) to sign the Contract with the Department.

10 Period of Validity of e-Bid

10.1 e-Bid shall remain valid for 90 days after the date of e-Bid opening prescribed by the Department. An e-Bid valid for a shorter period shall be rejected by the Department as non-responsive.

10.2 In exceptional circumstances, the Department may solicit the tenderer's consent to an extension of the period of e-Bid validity. The request and the response thereto shall be made in writing. A tenderer may refuse the request without forfeiting its e-Bid security. A tenderer granting the request will not be required nor permitted to modify its e-Bid.

11 Format and Signing of e-Bid

11.1 The tenderer shall prepare one electronic copy each of the Technical e-Bid and Financial e-Bid separately.

11.2 The e-Bid document shall be digitally signed, at the time of uploading, by the tenderer or a person or persons duly authorized to bind the tenderer to the Contract. The later

authorization shall be indicated by a scanned copy of written power-of-attorney accompanying the e-Bid. All the pages/ documents of the e-Bid that are to be uploaded shall be digitally signed by the person authorized to sign the e-Bid.

12 Submission of e-Bid

The Bid Submission module of e-Procurement website <http://etender.up.nic.in> enables the tenderers to submit the e-Bid online in response to this e-tender published by the Department. Bid Submission can be done only from the Bid Submission start date and time till the Bid Submission end date and time given in the e-tender. Tenderers should start the Bid Submission process well in advance so that they can submit their e-Bid in time. The tenderers should submit their e-Bid considering the server time displayed in the e-Procurement website. This server time is the time by which the e-Bid submission activity will be allowed till the permissible time on the last/end date of submission indicated in the e-tender schedule. Once the e-Bid submission date and time is over, the tenderers cannot submit their e-Bid. For delay in submission of e-Bid due to any reasons, the tenderers shall only be held responsible.

The tenderers have to follow the following instructions for submission of their e-Bid:

- 12.1 For participating in e-Bid through the e-tendering system, it is necessary for the tenderers to be the registered users of the e-Procurement website <http://etender.up.nic.in>. The tenderers must obtain a User Login Id and Password by registering themselves with U.P. Electronics Corporation Limited, Lucknow if they have not done so previously for registration.
- 12.2 In addition to the normal registration, the tenderer has to register with his/her **Digital Signature Certificate (DSC)** in the e-tendering system and subsequently he/she will be allowed to carry out his/her e-Bid submission activities. Registering the Digital Signature Certificate (DSC) is a one time activity. Before proceeding to register his/her DSC, the tenderer should first log on to the e-tendering system using the User Login option on the home page with the Login Id and Password with which he/ she has registered.

For successful registration of DSC on e-Procurement website <http://etender.up.nic.in> the tenderer must ensure that he/she should possess Class-2/ Class-3 DSC issued by any certifying authorities approved by Controller of Certifying Authorities, Government of India, as the e-Procurement website <http://etender.up.nic.in> is presently accepting DSCs issued by these authorities only. The tenderer can obtain User Login Id and perform DSC registration exercise above even before e-Bid submission date starts. The Department shall not be held responsible if the tenderer tries to submit his/her e-Bid at the last moment before end date of submission but could not submit due to DSC registration problem.

- 12.3 The tenderer can search for active tenders through "Search Active tenders" link, select a tender in which he/she is interested in and then move it to 'My Tenders' folder using the options available in the e-Bid Submission menu. After selecting and viewing the tender, for which the tenderer intends to e-Bid, from "My Tenders" folder, the tenderer can place his/her e-Bid by clicking "Pay Offline" option available at the end of the view tender details form. Before this, the tenderer should download the e-tender document and Price Schedule/Bill of Quantity (BOQ) and study them carefully. The tenderer should keep all the documents ready as per the requirements of e-tender

document in the PDF format except the Price Schedule/Bill of Quantity (BOQ) which should be in the XLS format (Excel sheet).

- 12.4 After clicking the 'Pay Offline' option, the tenderer will be redirected to the Terms and Conditions page. The tenderer should read the Terms & Conditions before proceeding to fill in the **Rs. 2124.00/- (Including GST)** and EMD payment details. After entering and saving the **Rs. 2124.00/- (Including GST)** and EMD details, the tenderer should click "Encrypt & Upload" option given in the payment details form so that "Bid Document Preparation and Submission" window appears to upload the documents as per Technical (Fee details, Qualification details, e-Bid Form and Technical Specification details) and financial (e-Bid Form and Price Schedule/BOQ) schedules/packets given in the tender details. The details available in the scanned copy of tender form cost and of EMD shall be verified by the department and in case of any discrepancy the e-bid shall be rejected.
- 12.5 Next the tenderer should upload the Technical e-Bid documents for Fee details **Rs. 2124.00/- (Including GST)**, Qualification details. Before uploading, the tenderer has to select the relevant Digital Signature Certificate. He may be prompted to enter the Digital Signature Certificate password, if necessary. For uploading, the tenderer should click "Browse" button against each document label in Technical and Financial schedules/packets and then upload the relevant PDF/XLS files already prepared and stored in the tenderer's computer. The required documents for each document label of Technical (Fee details, Qualification details, e-Bid Form and Technical Specification details) and financial (e-Bid Form and Price Schedule/BOQ) schedules/packets can be clubbed together to make single different files for each label.
- 12.6 The tenderer should click "Encrypt" next for successfully encrypting and uploading of required documents. During the above process, the e-Bid documents are digitally signed using the DSC of the tenderer and then the documents are encrypted/locked electronically with the DSC's of the bid openers to ensure that the e-Bid documents are protected, stored and opened by concerned bid openers only.
- 12.7 After successful submission of e-Bid document, a page giving the summary of e-Bid submission will be displayed confirming end of e-Bid submission process. The tenderer can take a printout of the bid summary using the "Print" option available in the window as an acknowledgement for future reference.
- 12.8 Department reserves the right to cancel any or all e-Bids without assigning any reason.

13 Deadline for Submission of e-Bid

- 13.1 e-Bid (Technical and Financial) must be submitted by the tenderers at e-Procurement website <http://etender.up.nic.in> not later than the time **5.00 PM** on the prescribed date (as the server time displayed in the e-Procurement website).
- 13.1 The Department may, at its discretion, extend this deadline for submission of e-Bid by amending the e-Bid document, in which case all rights and obligations of the Department and tenderers previously subject to the deadline will thereafter be subject to the deadline as extended.

14 Late e-Bid

- 14.1 The server time indicated in the Bid Management window on the e-Procurement website <http://etender.up.nic.in> will be the time by which the e-Bid submission activity will be allowed till the permissible date and time scheduled in the e-tender. Once the e-Bid submission date and time is over, the tenderer cannot submit his/her e-Bid. Tenderer has to start the Bid Submission well in advance so that the submission process passes off smoothly. The tenderer will only be held responsible if his/her e-Bid is not submitted in time due to any of his/her problems/faults, for whatsoever reason, during e-Bid submission process.

15 Withdrawal and Resubmission of e-Bid

- 15.1 At any point of time, a tenderer can withdraw his/her e-Bid submitted online before the bid submission end date and time. For withdrawing, the tenderer should first log in using his/ her Login Id and Password and subsequently by his/her Digital Signature Certificate on the e-Procurement website <http://etender.up.nic.in>. The tenderer should then select "My Bids" option in the Bid Submission menu. The page listing all the bids submitted by the tenderer will be displayed. Click "View" to see the details of the e-Bid to be withdrawn. After selecting the "Bid Withdrawal" option, the tenderer has to click "Yes" to the message "Do you want to withdraw this bid?" displayed in the Bid Information window for the selected bid. The tenderer also has to enter the bid Withdrawing reasons and upload the letter giving the reasons for withdrawing before clicking the "Submit" button. The tenderer has to confirm again by pressing "Ok" button before finally withdrawing his/her selected e-Bid.
- 15.2 No e-Bid may be withdrawn in the interval between the deadline for submission of e-Bids and the expiration of period of e-Bid validity. Withdrawal of an e-Bid during this interval may result in the tenderer's forfeiture of his/her e-Bid security.
- 15.3 The tenderer can re-submit his/her e-Bid as and when required till the e-Bid submission end date and time. The e-Bid submitted earlier will be replaced by the new one. The payment made by the tenderer earlier will be used for revised e-Bid and the new e-Bid submission summary generated after the successful submission of the revised e-Bid will be considered for evaluation purposes. For resubmission, the tenderer should first log in using his/her Login Id and Password and subsequently by his/her Digital Signature Certificate on the e-Procurement website <http://etender.up.nic.in>. The tenderer should then select "My Bids" option in the Bid Submission menu. The page listing all the bids submitted by the tenderer will be displayed. Click "View" to see the details of the e-Bid to be resubmitted. After selecting the "Bid Resubmission" option, click "Encrypt & Upload" to upload the revised e-Bid documents.
- 15.4 The tenderers can submit their revised e-Bids as many times as possible by uploading their e-Bid documents within the scheduled date & time for submission of e-Bids.
- 15.5 No e-Bid can be resubmitted subsequently after the deadline for submission of e-Bids.

(C) e-Bid OPENING AND EVALUATION OF e-Bid

16(A) Opening of Technical e-Bid by the Department

16.A.1 The Department will open all technical e-Bids, in the presence of tenderers' representatives who choose to attend at 2.00 PM on the prescribed date of opening at Tender **Senior Manager (E&M)-I, Sector-39, Noida**. The tenderer's representatives who are present shall sign a register evidencing their attendance. In the event of the specified date of e-Bid opening being declared a holiday for the Department, the e-Bids shall be opened at the appointed time and place on the next working day.

16.A.2 The tenderer's names and the presence or absence of requisite e-Bid security and such other details as the Department at its discretion may consider appropriate, will be announced at the opening. The name of such tenderers not meeting the Technical Specifications and qualification requirement shall be notified subsequently.

16.A.3 The Department will prepare minutes of the e-Bid opening.

16(B) Opening of Financial e-Bid

16.B.1 After evaluation of technical e-Bid, through the evaluation committee the Department shall notify those tenderers whose technical e-Bids were considered non-responsive to the Conditions of the Contract and not meeting the technical specifications and Qualification Requirements indicating that their financial e-Bids will not be opened. The Department will simultaneously notify the tenderers, whose technical e-Bids were considered acceptable to the Department. The notification may be sent by e-mail provided by bidder.

16.B.2 The financial e-Bids of technically qualified tenderers shall be opened in the presence of tenderers who choose to attend, and date for opening of financial bids will be communicated to the Technically Qualified Tenderers subsequently after completion of technical bids evaluation through e-mail provided by the bidder. The name of tenderers, percentage Price quoted for various items etc will be announced at the meeting.

16.B.3 The Department will prepare the minutes of the e-Bid opening.

17 Clarification of e-Bid

17.1 During evaluation of e-Bid, the Department may, at its discretion, ask the tenderer for a clarification of his/her e-Bid. The request for clarification and the response shall be in writing.

18 Evaluation of technical e-Bid and Evaluation Criteria

The Department will examine the e-Bid to determine whether they are complete, whether they meet all the conditions of the Contract, whether required e-tender fee, e-Bid security and other required documents have been furnished, whether the documents have been properly digitally signed, and whether the e-Bids are generally in order. Any e-Bid or e-Bids not fulfilling these requirements shall be rejected.

18.1 The tenderer should submit a notarized affidavit that the tenderer's firm has not been black listed from any State/Central Government Departments/Organisations. The e-Bids of the black-listed tenderers or those not submitting the required affidavit shall be rejected.

18.2 All e-Bids submitted shall also include the following:

- (i) Filled in form Capability Statement.
- (ii) Certified Copies of relevant pages of following documents:
 - a. Memorandum and Article of Association showing objectives of the

Company/firm and authority to sign the e-Bid/contract or delegate the power to others for signing the e-Bid/contract.

- b. Place of registration.
- c. The power-of-attorney authorizing the tenderer to sign the e-Bid/ contract.
- d. PAN certificate of the company/firm.
- e. GST registration certificate of the company/firm.

The e-Bids of the tenderers not submitting certified copies mentioned above documents shall be rejected.

18.3 It shall be the discretion of the Department to decide as to whether an e-Bid fulfils the evaluation criterion mentioned in this e-tender or not.

18.4 The tenderers are advised not to mix financial bid documents with the PDF documents submitted for technical bid. The e-Bids of the tenderers having financial bid document in the technical bid will outrightly be rejected.

19. Contacting the Department

19.1 No tenderer shall contact the Department on any matter relating to his/her e-Bid, from the time of the e-Bid opening to the time the Contract is awarded. If the tenderer wishes to bring additional information to the notice of the Department, he/she can do so in writing.

19.2 Any effort by a tenderer to influence the Department in its decisions on e-Bid evaluation, e-Bid comparison or contract award may result in rejection of the tenderer's e-Bid.

19.3 In the event of any information furnished by the agency is found false or fabricated the minimum punishment shall be debarred/blacklisting from Noida works and the legal proceeding can also be initiated.

(D) AWARD OF CONTRACT

20 Award Criteria

19.1 The Department will award the contract to the lowest evaluated successful Tenderer whose bid has been determined to be responsive to all the conditions of the contract and meeting the Technical specification and qualification requirement of the Bidding Document.

21 Department's right to accept any e-Bid and to reject any or all e-Bids

21.1 The Department reserves the right to accept or reject any e-Bid, and to annul the e-Bid process and reject all e-Bids at any time prior to contract award, without thereby incurring any liability to the affected tenderer or tenderers.

22 Notification of Award

22.1 Prior to the expiration of the period of e-Bid validity, the Department will notify the successful tenderer in writing by letter/e-mail/fax, that its e-Bid has been accepted.

22.2 The notification of award will constitute the formation of the Contract.

23 Signing of Contract

23.1 At the same time as the Department notifies the successful tenderer that its e-Bid has been accepted, the successful tenderer shall have to sign the contract agreement.

For The Visiting Contractor's Of This Tender Document

1. The Contractors/Firm/Bidders who are interested to participate in Tender are requested to get them registered and get their signature digitalized with UP Electronics Corporation, 10, Ashok Marg, Lucknow by depositing prescribed fee. However they shall be required to get their application forwarded from GM, Noida whose office is situated at Main Administrative Block, Sector-6, Noida. The Agencies/Contractors registered shall be allowed to participate only in e-tenders floated after their registration.
2. The other important information are being mentioned below at a glance for the ease of e-tenderers :-
 - 1) Date of Inviting tender
 - 2) Date of opening tender
 - 3) cost of bid document/ e-Tender processing fee : **Rs. 2,124.00/- (Incl. GST)**
 - 4) Earnest money **Rs. 97,800.00/-**
 - 5) Validity period **90 Days.**
 - 6) Time of completion of work **365 Days.**
 - 7) The Tender is percentage rate tender.
3. **Bank account details for RTGS :-**
 - a) Please refer user manual for paying" Processing Fee" & EMD Online.
 - b) Please refer user manual for paying" Processing Fee" & EMD Online.

Instructions for bidder to do payment:

1. Visit IndusCollect website: <https://induscollect.indusind.com/pay/index.php>
2. If you are a registered user of IndusCollect, then login click on LOGIN tab. If you are not registered user of IndusCollect then click on Express Payment tab.

The screenshot shows the IndusCollect website interface. At the top, there is a navigation bar with 'Home | About us | FAQs' and the 'INDUS COLLECT' logo. The main heading is 'IndusInd Bank' and the sub-heading is 'Search, Pay & Confirm'. Below this, there is a search bar with a magnifying glass icon, a 'Pay' button with a rupee symbol, and a 'Confirm' button with a checkmark icon. A text box below the search bar says 'Pay bills and invoices from any bank account or any card'. A paragraph below that states: 'IndusCollect lets you pay your bills conveniently, be it your education, housing society maintenance or any other bills. You can pay your bills using RTGS, NEFT, IMPS, IFT, UPI, Net Banking or Cards.' There are two buttons: 'Express Payment' and 'Login'. The 'Express Payment' button is circled in red with a red arrow pointing to the text 'Non Registered user click here'. The 'Login' button is also circled in red with a red arrow pointing to the text 'Registered user click LOGIN'. Below the buttons, there is a search bar with the text 'Search by Merchant Name eg: Universal High'. An 'OR' button is located below the search bar. At the bottom, there is a 'Select a Category' section with eight icons representing different categories: Charitable Institutions and Trusts, Clubs and Associations, Distributors and Vendors, Education, E-tailers and E-commerce, E-tendering, Government Bodies, and Housing Development & Societies.

c. Select type of payment:

The screenshot shows the IndusInd Bank website interface. At the top, there is a navigation bar with "Home | About us | FAQs" and the "INDUS COLLECT" logo. Below the navigation bar, the breadcrumb trail reads "Home > E-tendering > NOIDA AUTHORITY". The main content area features the NOIDA AUTHORITY logo and a form titled "I want to make payment for :". A dropdown menu is open, showing the following options: "Please select", "EMD", and "Tender Fees". The "EMD" option is currently selected. In the top right corner, there are icons for "Search", "Pay", and "Confirm", along with a "Back" link.

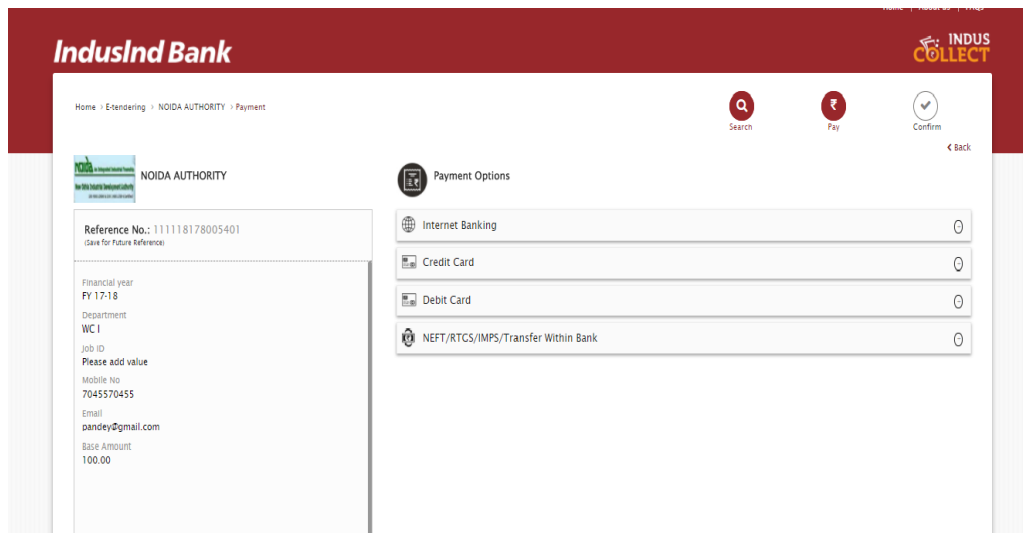
d. Enter Data & Click Submit:

The screenshot shows the data entry form for EMD payment. The breadcrumb trail is "Home > E-tendering > NOIDA AUTHORITY > EMD". The form contains the following fields and values:

I want to make payment for :	EMD
Financial year *	FY 17-18
Department *	WCI
Job ID *	Please add value
Tender type	Rs Tender
Name	Mr. Pandey
Bid Submission Last Date	30/06/2018
Mobile No *	7045570455
Email *	pandey@gmail.com
Amount *	100
Verify Code*	hefeva

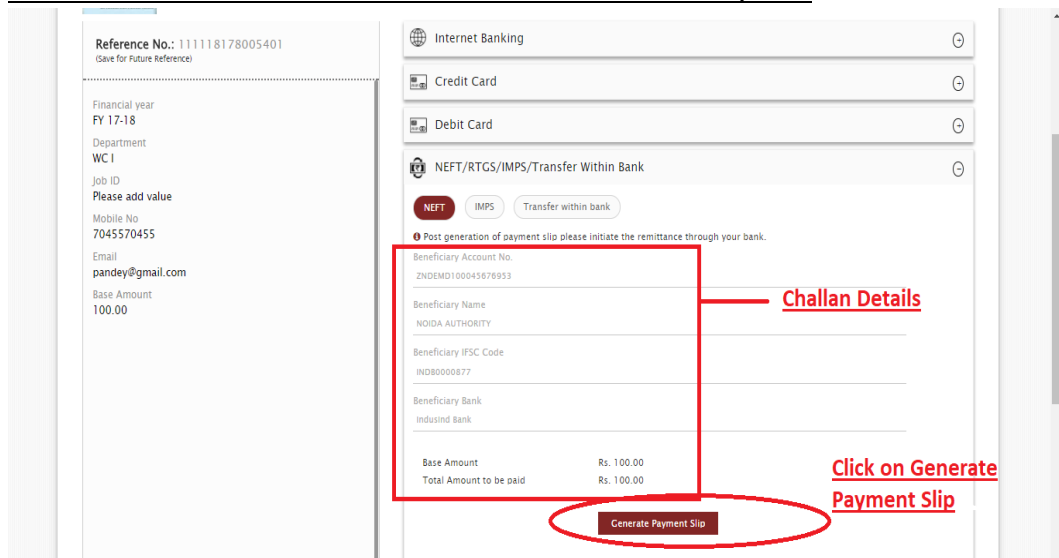
At the bottom of the form, there is a "hefeva" logo with the text "Generate New Code" and two buttons: "Submit" and "Cancel".

e. Select the payment mode:



f. **If user clicks “Internet Banking” or “Credit Card” or “Debit Card”, then user will be redirected to Payment Gateway page. User has to enter authority details.**

g. **If user selects NEFT or RTGS or IMPS or Transfer within Bank, then**



- i. User has to click on Generate Payment Slip to generate challan. It will have beneficiary account number and IFSC code.
- ii. User will then login to their own bank’s Netbanking or mobile app.
- iii. User will add beneficiary basis the details on Challan.
- iv. User will then make the payment to beneficiary

4. Flow for Registered users of IndusCollect:

a. Login to IndusCollect

IndusInd Bank **INDUS COLLECT**

Search, Pay & Confirm

Pay bills and invoices from any bank account or any card

IndusCollect lets you pay your bills conveniently, be it your education, housing society maintenance or any other bills. You can pay your bills using RTGS, NEFT, IMPS, IFT, UPI, Net Banking or Cards.

Express Payment **Login**

CUSTOMER

Email/Mobile No. * 7045414367

Password

Verify Code maveve| **maNeveX** [Generate New Code](#)

Reset **Login** [Not yet registered? / Forgot password](#)

MERCHANT

User Id Enter user id

Password Enter your password

Verify Code * Enter verify code **xihero** [Generate New Code](#)

Reset **Login**

b. Click on MAKE PAYMENT

IndusInd Bank **INDUS COLLECT**

Payment Analysis

3 Months 6 Months 1 Year

E-tendering Education

Last Payment

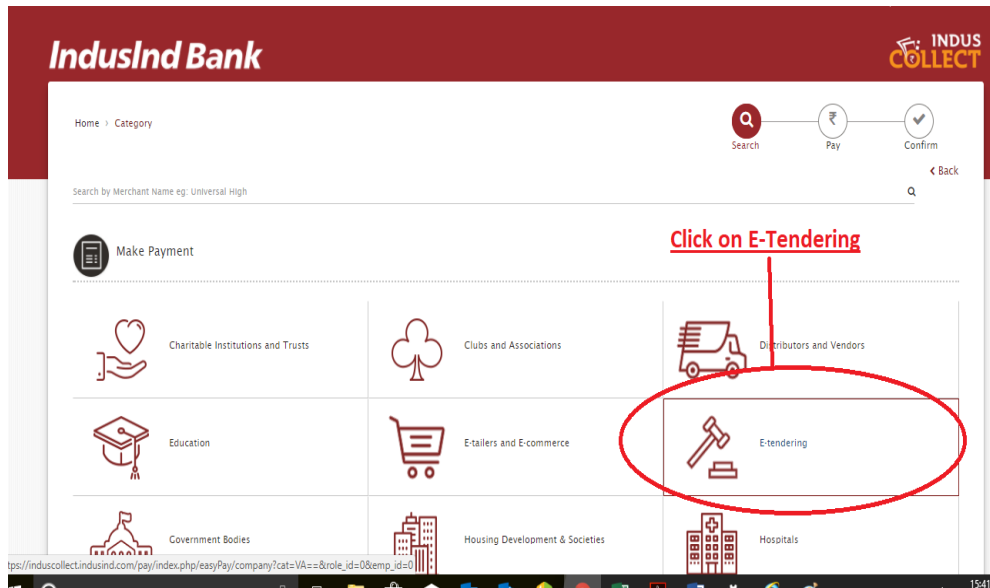
Date	Amount	Reference No.
15/06/2018	₹ 54.28	111118166004432
15/06/2018	₹ 56.64	111118166004431
15/06/2018	₹ 17.7	111118166004429
15/06/2018	₹ 53.1	111118166004428
15/06/2018	₹ 64.9	111118166004425

[View All](#)

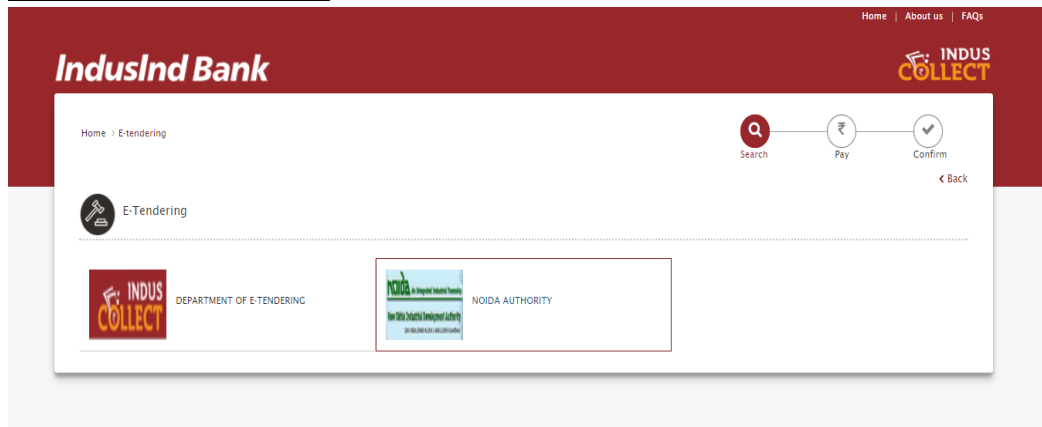
My Favorite Biller [Add Biller](#)

Click on MAKE PAYMENT [Make Payment](#)

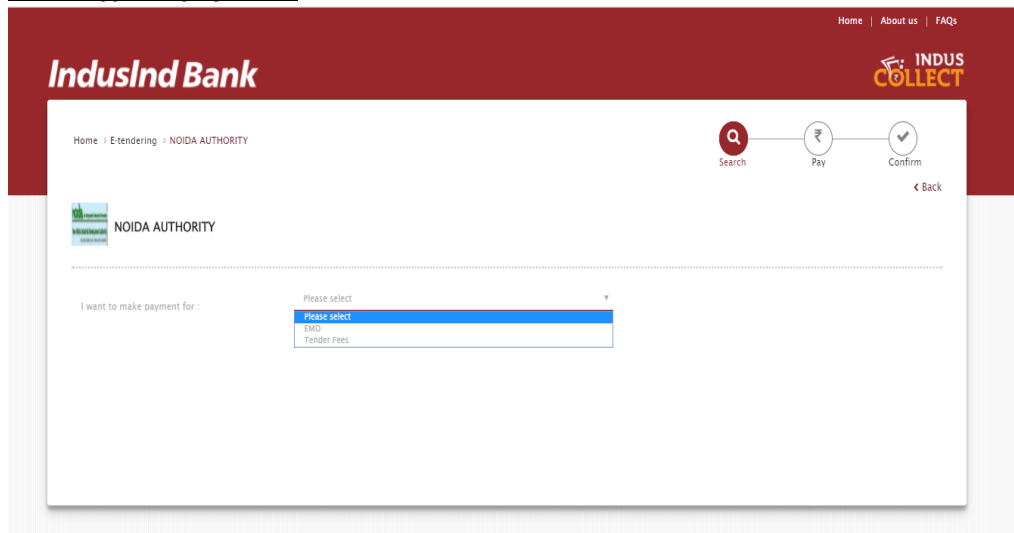
c. **Select Category**



d. **Select NOIDA AUTHORITY:**




e. **Select type of payment:**



f. Enter Data & Click Submit:

Home > E-tendering > NOIDA AUTHORITY > EMD

Search Pay Confirm < Back

 **NOIDA AUTHORITY**

I want to make payment for : EMD

Financial year * FY 17-18

Department * WC I

Job ID * Please add value

Tender type Ra Tender


Name Mr. Pandey

Bid Submission Last Date 30/06/2018

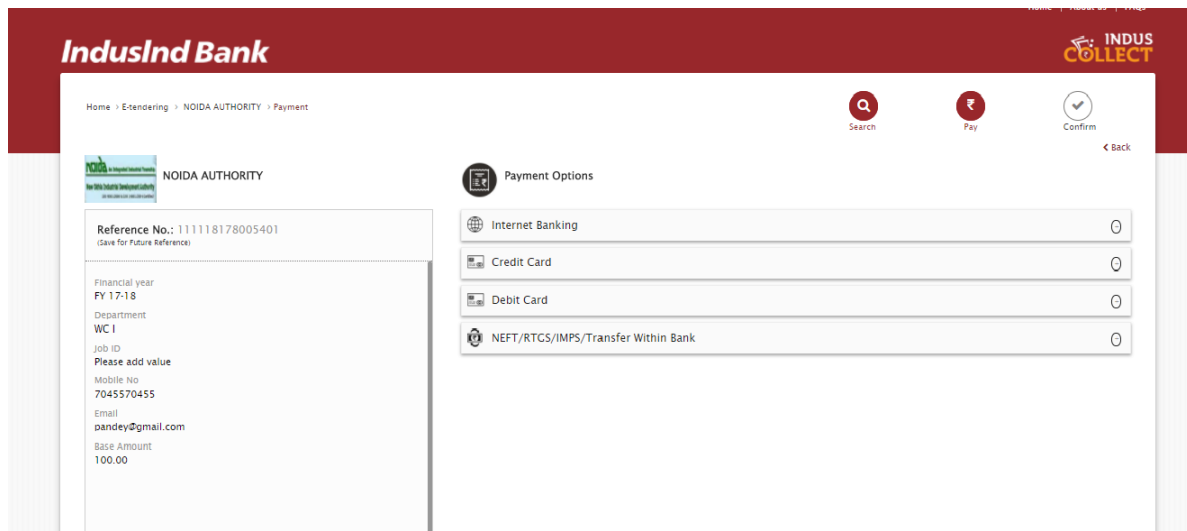
Mobile No * 7045570455

Email * pandey@gmail.com

Amount * 100

Verify Code * hfeva 
[Generate New Code](#)

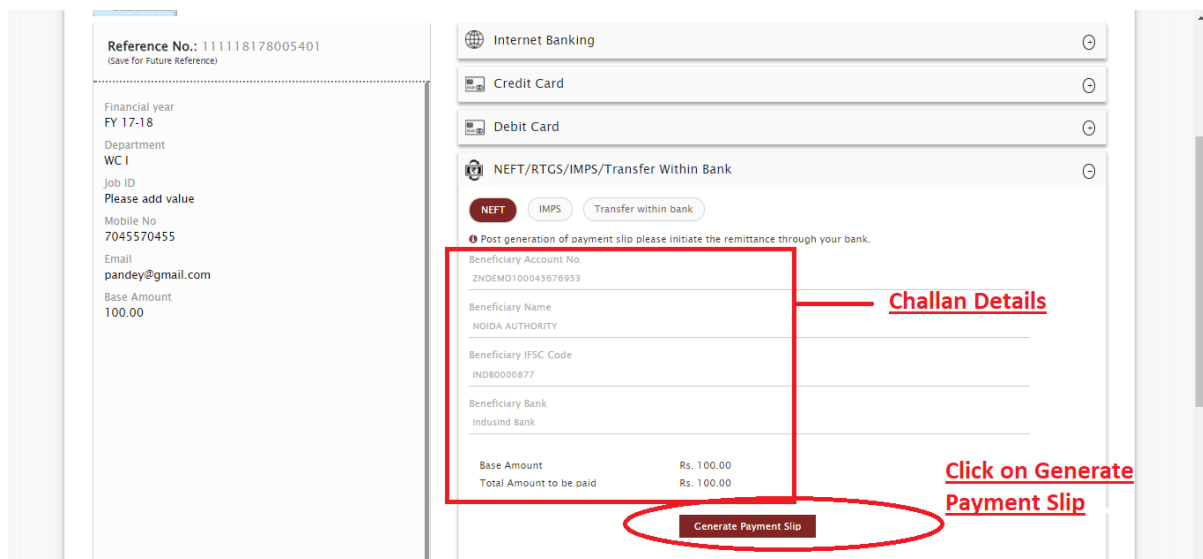
Submit Cancel



g. **Select the payment mode:**

h. **If user clicks “Internet Banking” or “Credit Card” or “Debit Card”, then user will be redirected to Payment Gateway page. User has to enter authority details.**

i. **If user selects NEFT or RTGS or IMPS or Transfer within Bank, then**



i. User has to click on Generate Payment Slip to generate challan. It will have beneficiary account number and IFSC code.

ii. User will then login to their own bank’s Netbanking or mobile app.

iii. User will add beneficiary basis the details on Challan.

iv. User will then make the payment to beneficiary

SPECIAL CONDITIONS AND SPECIFICATIONS

1. The tenderers are advised before bidding to see carefully the site of work & study architectural & structural drawings for the buildings/ Roads to be constructed under the scope of this tender, which can be seen in the office of the concern P.E. of Noida Office on any working day between 10.30 A.M. to 4.30 P.M.
2. No page(s) of the tender shall be removed and the entire set must be submitted, as its failure to comply the instructions may result in the rejection of the tender.
3. All entries by the tenderers should be written legible.
4. The tenderer should write full address and telephone no. on the Tender Form. Any letter sent by Regd. Post on that address will be treated as delivered.
5. Incomplete, irrelevant conditional tenders are liable to be rejected without assigning any reason. Tenders not submitted on proper prescribed form shall not be considered and are liable to be rejected.
6. No additions or alterations are permitted in the tender papers, if tenderer does so, the same shall not be considered and such tender is liable to be rejected.
7. Any tender not fulfilling all the conditions is likely to be ignored / rejected without assigning any reason.
8. Original Earnest money RTGS Receipt and bid document/E- tender progressing fee RTGS receipt shall not be required to drop in tender box. However the scanned copy of both RTGS receipt shall be verified by the department from the bank and in case of any discrepancy or wrong information furnished in the scanned copy, tender shall not be processed even for technical Bid evaluation and shall be rejected.
9. No refund of the cost of tender is claimable for tenders not accepted or for tenders not submitted.
10. NOIDA reserves the power to reject any or all tenders without assigning any reason or giving any explanation, power is also reserved to divide or subdivide the work among the contractors.
11. The earnest money deposited by the unsuccessful tenderer shall be returned after acceptance of the tender.
12. After acceptance of the tender, the earnest money of the successful contractor shall be converted into the security.
13. The quantities given in the bill of quantity are approximate and variation up to 25% on either side on printed quantities may occur without entitling the contractor to any compensation or extra rate.
14. In giving their rates, the tenderers should take into account all fluctuations of market construction rates of materials, as no claim shall be entertained on this account during the acceptance of the tender and the currency of the contract.
- 15. The tendered rates shall be for all completed items of the work and shall include all quarry royalties, testing, screening, tools & plants, railways freight, carriage of materials to site, stacking, removal charge of any rejected material, Municipal Board Taxes, Octroi etc. Labour cess & all other taxes in force from time to time.**
16. Within fifteen days of the registration to the contract bond, the contractor shall have to notify in writing the name of his two authorized representatives one of them will always be available at the site of work to receive the orders / instructions by Engineer in charge and the other for issue of materials and other miscellaneous works. The contractor shall be fully responsible for the orders / instructions received by his representatives regarding quality, progress and materials from the Engineer-in-charge or any higher officer of NOIDA.
17. All the materials collected by the contractor during execution of work shall be properly stacked and arranged as per directions of Engineer-in-charge.
18. Contractor shall have to make their own arrangement of water and electricity for construction work at site. All the building material for the work shall be arranged by the contractor at his own cost.
19. The contractor shall be fully responsible for setting out the works and for the correctness of the positions, levels, dimensions and alignments strictly according to the plan / architectural and structural drawings (shall be provided without any charge) and all necessary instruments, pegs poles and other material required for the purpose, failing which the contractor will be penalized as applicable.
20. The contractor (in self) shall give sufficient supervision to the work using his best skill and attention. He shall provide necessary qualified staff to supervise the execution of the work. The contractor or a competent authorized agent or representative should be got approved in writing by the Engineer-in-charge (whose approval at any time can be withdrawn or changed) for supervising

the work and to receive directions and instructions from Engineer-in-charge of the work on the behalf of the contractor. The supervisory staff of the contractor will not be changed without the approval of Engineer-in-charge.

21. The contractor shall be responsible for the damage to any property or any injury to person whatsoever caused by him or anybody in his employment or caused in consequence of his work. He will indemnify and keep the Government un-indemnified against all claims, demands, proceedings, charges and expenses and compensation, whatsoever, in respect of the or in relation to any such injuries or damages. The contractor shall take all necessary precautions for the safety of his employees on the work site and shall comply with all applicable provisions of safety law and building codes to prevent accident or injuries to person on the work site.
22. The contractor shall keep at his own, whole of the excavated area free from water, however, if excavation is filled with water the contractor shall provide all pumping equipment temporary drain and such cuts / excavation shall be made good at the completion of work at his own cost.
23. The contractor shall confine his equipment storage of materials separately from his works and people to the limits as directed by the Engineer-in-charge and shall not unnecessarily spread the premises with his materials and hutment's.
24. A site order book shall be maintained at the site of the work in which instructions shall be given to the contractor as and when necessary. These orders shall have to be signed and complied by the contractor or in absence by his authorized representative or agent and in such case it will be presumed that same have been conveyed to him in time.
25. The contractor shall at all time keep the premise free from accumulated waste material or rubbish caused by his employees on the work and on completion of the work he shall clear away whole site from such material and fill up the borrow pits / cuts dug by him. He will leave whole of the site and work clear in a workman like. Nothing extra shall be paid to contractor for this clearing up.
The contractor shall maintain and keep the area in agreed sanitary condition for the use of men engaged in the work by him and shall remove and clear all structures etc. which may have been setup by the contractor for accommodating his staff / labour on the completion of work to the satisfaction of the Engineer in charge.
26. All the material and workmanship and it's working procedure shall be strictly as per specification of IRC/C.P.W.D./Morth/UPPWD as described in the contract and in case not covered in the contract then in accordance with the Engineer in charge / ISI code. Instructions shall be issued from time to time to tests the material as the Engineer in charge may direct at places of manufacture, at the work site or in NOIDA Laboratory or any recognized Laboratory in side or out side of NOIDA. Contractor shall provide conveyance, labour and material required for examining, measuring and testing for the work and quality of material used. Contractor shall supply sample of the material get them approved before using in the work. The cost of such, like conveyance, labour and material provide for testing purpose and for examining the work and for proper completion of the same shall be born by the contractor and no extra payment shall be made for the same. In addition to above, the contractor shall establish a field laboratory to carry out day to day tests of all material at his own cost. The contractor shall submit a list of the all the laboratory equipment's, quality control Engineer of the contractor who will work under direction and control of Engineer-in-charge.
27. Tenderer should be firms or contractor of repute who have carried out such works of similar magnitude satisfactorily, have sufficient material and T&P for execution of such work.
28. The normal working hours shall be from 8.30 A.M. to 5.30 P.M. and no work shall be carried out on Sundays and on gazetted holidays without specific permission of the Engineer in charge. No claim, whatsoever, shall be entertained on this account.
29. All drawings and designs will be supplied according to the necessity of the particular work and the contractor will not have any claim for compensation in case of late supply of necessary design and drawings.
30. The contractor will have to remove any person employed on the work if so desired by the Engineer-in-charge for any reason.
31. The contractor shall not put hindrance to any person or to the contractor's authorized by the department to carry out the works of any nature entrusted to him in the sector, in the vicinity or itself inside the building, the works of water supply, sanitary and electric installation etc. The contractor shall have to allow the other party to work and adjust his work accordingly and no

- claim shall be entertained on this account. In case of any dispute the decision of the E/I shall be final and binding upon the all parties concerned.
32. The contractors shall have to make his own arrangements of water for construction work, for temporary accommodations for the office staff and for the labourers' residence at the site of work. The water should be fit for drinking. In case the water is supplied by the department, the contractor shall have to bear charges at rates fixed by the authority.
 33. The contractor will have to follow all existing rules and regulations of the Government & labour department or as amended from time to time regarding the labour employed by him without entitling him for any extra claim on this account.
 34. The contractor shall do his work in such a way that the work of other contractor is not hindered.
 35. Any claim during the period of contract will be submitted in writing within the currency of the contract bond failing which the claim may not be entertained.
 36. The contractor shall sign no claim certificate on running bills and in case of any claim or extra item he must mention the item, rate and quantity specifically otherwise no claim shall be entertained later. In case of any dispute the decision of the competent authority of NOIDA shall be final.
 37. The contractor shall have to sign FARKATI at the time of submission of final bill to accounts branch.
 38. The contractor must get acquainted with the proposed site for the work and study all the specifications and conditions carefully before tendering. The work shall be executed as per programme / dates drawn by the Engineer-in-charge. If part of the site is not available due to any reason the programme of the contractor shall be modified to suit the availability of site and the contractor shall have no claim for compensation on this account.
 39. The security deposited of the contractor which will be deducted from his bills shall be refunded to the contractor after the expiry of Thirty Six months from the date of actual completion of work in full if no. imperfection become apparent in the work up to 36 months respectively
 40. Samples of materials and items of work shall have to be got approved by the contractor from Engineer in charge before execution. The approved samples of material shall be sealed under the signature of the contractor and Project Engineer and shall be kept in the office of the Project Engineer.
 41. The contractor shall have to supply required Non-Judicial Stamp Papers for execution of contract bond at his own cost.
 42. Works to be open to inspection.
All works under or in course of execution or executed in pursuance of the contractor shall at time be opened to the inspection and supervision of the Engineer-in-charge and other authority officials and the contractor shall present at work site at all times during the inspection and usual working hours. At all other times it notice for the inspection of site by the Engineer-in-charge or any other official is given to the contractor, contractor should either himself be present to receive orders and instructions of a responsible authorized agent be present for the purpose. Orders given to the contractor's agent shall be considered to have the same force as if they had been given to the contractor himself. The contractor shall also provide all facilities necessary for inspection of the work by the Engineer-in-charge or other officials for which no payment shall be made to the contractor.
 43. The specifications to be followed for the execution of the works shall be-
 - a) UPPWD for electrical works/Morth/CPWD specifications for work in Delhi with its up-to-date correction slip till date of tendering.
 - b) Relevant ISI/IRC standard for work not covered by the above.
 - c) Material bearing ISI mark shall be given first preference for using in works. For all articles with ISI marks the quality shall be judged by the relevant ISI specification.
 44. The variation in respect of other materials shall be as per norms in CPWD works. The Final Quantity of Cement, Steel, Bitumen or any other material less used than the theoretical quantity allowing variation of minus side shall be recovered from the contractor at double the rate used in justification.
 45. The contractor is expected to well conversant with the conditions of GPW Form 9 as applicable to NOIDA works (General condition of the contract) which will be the part of the agreement.

46. If the contractor withdraw his offer / tender or modifies his offer / tender after closure date of tender which is not acceptable to the department before acceptance of the tender, his earnest money will be forfeited.
47. Any recovery pointed out by the Technical inspection wing/quality surveillance team appointed or authorized by NOIDA authority shall also be effected from the contractor's dues available with NOIDA and the contractor shall have no claim for such deduction of amount whatsoever. In case of any dispute the decision of DGM/GM,Sr. Manager, NOIDA shall be final and binding on the contractor.
48. In case of any dispute the decision of C.E.O., NOIDA shall be final and binding on the contractor.
49. Conditional tender may not be accepted.
50. Contractor has to sign the agreement after submission of stamp papers within Ten days from the date of award of the work. In case of delay on the part of the contractor beyond Ten days from the date of award of work, a penalty of Rs. 1000/- per day will be imposed and shall be liable from contractor's payment, which will be deducted from any dues available of the contractor.
51. That the variation of the quantities of work shall not be allowed to be executed beyond the stipulated quantity in the agreement without prior approval of the competent authority.
52. For material storage at work site, double lock system will have to be followed.
53. Quantity for payment shall be the theoretical quantity (Based on Proposed formation level) or the actual quantity (based on actual finished level) whichever is less :-
54. In case it is found that the tender as submitted forced/fecitious documents along with the tenders, his offer will be cancelled and earnest money will be forfeited. Also the Contractor can be black listed for tendering for Noida work.
55. The payment of royalty levied by state/central/other institutions on minerals and other conditions issued time to time by the Government shall be the responsibility of the contractor. The authority shall be free to take appropriate action without any notice in case of non compliance/ non submission of documents of the said payment.
56. The contractor have to furnish his rates including Labour Cess @ 1% the same shall be deducted from the bills of the contractor. The royalty charges levied by stats/central govt. on & other terms 2 conditions issued time to time by govt. shall abide by minrally shall be paid by contractors and its proof shall have to be submitted to Noida.
57. Under no circumstances will. a father or his son or their close relation or the partner of one firm be allowed to tender for one work as separate tenders. A breach of this condition will cause the tenders of such parties liable to be rejected.
58. In case of a firm tenders must be signed by such partner or member or the person holding the power of attorney on behalf of them in the later case, a copy of, the power of attorney duly attested by a Gazetted Officer must accompany the tender.
59. Tenders must be accompanied by the following documents also:
 - a) True copy of 'A' Class approved License issued by the Director Electrical safety to U.P. Government.
 - b) Experience Certificate.
 - c) Financial Capacity.
 - d) Turnover.
 - e) Income Tax and Trade Tax Clearance Certificate.
 - f) Power of attorney in case of the firm.
 - g) Banker's name and full address.
 - h) Copy of Partnership deed.
 - i) Earnest money in full and the specified terms.

60. Analysis of work cost of any other detail of analysis if desired by the **Senior Manager-(E&M) (Div-I)** shall be supplied by the tenderer.
61. The tenderers are advised in their own interest to study the conditions of agreement carefully before giving offer as non compliance at any stage of any of the conditions are guide lines shall make the offer to be rejected/contract rescinded alongwith forfeiture of earnest money to the Authority.
62. After acceptance of tender, but before execution of the contract bond documents, successful tenderer have to deposit security @10% for first one lac, 7.5% for next one lac and 5% for the balance amount in the shape of FDR/NSG post Office CTD, Saving pass book for one/Two/ Three years duly pledged NOIDA
63. The Authority reserves its right to divide or sub-divide the tender between two more tenderers as deemed fit. The tenderer will be bound to accept the portion allotted to him without any extra claim.
64. Trade Tax along with surcharge shall be deducted on the gross amount of the work done for the payment to the contractor according to provision of UP. Trade Tax Act and as time to time.
65. Stamp duty will be paid extra by tenderes as applicable at the time of agreement.
66. As per office order Noida/ACEO/2013/CPE/1226, dt. 02-09-2013 contractor has to deposit additional performance security in the shape of FDR/CDR/Bank Guarantee/NSC in case rate quoted below of Bill of Quantity (BOQ)@ 0.5% per one percent up-to 10% below rate and @ 1% per one percent on rate quoted beyond 10% below rates valid for the complete contract period by the contractor before entering into contract bond
67. Ultratech, Ambuja, Bangur, Binani, Birla, Shakti & J.K., CCI, ACC, Shree or approved by competent authority, make gray cement shall be allowed to be used in the work.
68. The reinforcement steel shall be provided from the reputed manufacture like Sail, Tisco, Rastriya Ispat Nigam and shall confirm specification as per IS code 1786-19, The standard sectional weights reinforced all standard tables in para 5.3.3. in specification of works Vol-1 to be considered for conversion of length of various, size MS Bars and for bars into wt. as under.

Sl. No.	Size dia (in mm)	Wt./M	Sl. No.	Size dia (in mm)	Wt./M.
1	6	0.222 Kg.	6	18	2.00 Kg.
2	8	0.395 Kg.	7	20	8.47 Kg.
3	10	0.617 Kg.	8	22	2.98 Kg.
4	12	0.888 Kg.	9	25	3.85 Kg.
5	16	1.58 Kg.	10	28	4.83 Kg.

69. उक्त कार्य में अनुरक्षण हेतु लिये गये उपकरणों एवं उनकी मात्राओं को "जो जहाँ है जैसा है" के आधार पर टेकओवर करना होगा।
70. अनुरक्षण अवधि के उपरान्त समस्त लाईटों को क्रियाशील अवस्था में प्राधिकरण को हस्तगत करना होगा।
71. उक्त अवधि में सम्बन्धित पार्कों में विद्युत सामग्री की सुरक्षा, क्षतिग्रस्त एवं चोरी होने की स्थिति में सामग्री बदलने की समस्त जिम्मेदारी सम्बन्धित संविदाकार की होगी, जिसके लिए फर्म को कोई अतिरिक्त भुगतान नहीं किया जायेगा।
72. संविदाकार द्वारा कार्यस्थल पर कार्य पूर्ण होने/अनुरक्षण संतोषजनक पाये जाने पर ही भुगतान सम्बन्धित कार्यवाही की जायेगी।
73. ऐसी विद्युत सामग्री, जिनको बदला जाना है, उनकी डिफेक्ट लाईबल्टी पीरियड 24 माह होगी।

CONTRACTOR

**Officer Inviting Tender
NOIDA**

New Okhla Industrial Development Authority

TECHNICAL SPECIFICATION

1. All the electrical work should be carried out according to the specification of U.P.P.W.D.
2. Teak wood batten of best Quality seasoned wood 12mm. to 16 mm, thick finished should be used.
3. Conduit upto 25.4 mm. of 16 SWG and of 31.8 mm. or above of 14 SWG should be used.
4. The accessories and fittings should be used as per the approved list in the revised schedule of U.P.P.W.D and approved by the Senior Manager-E&M (Div-II) NOIDA.
5. The fan and light circuit should be kept separate and each circuit shall have separate wires drawn from B.O.B.
6. T.W: gutties of not less than 5 cm. and 2.5 cm. taper size shall be fixed 60 cm. horizontally and 30 cm. vertically apart with one gutty just near the round block of board and there must be wooden gutty beneath every joint of the batten corner, and conduit on every bends. The gutties shall be fixed with bigger and inside the wall. Approved seasoned hard teak wood should be used for making gutties.
7. All main and distribution boards shall be of swing back type.
8. All cable and wires to be used shall be of CMA grade and should be of ISI marked.
9. Not more than 10 light and plug points or 8 ceiling fan points shall be kept in one circuit. The power circuit should be kept separate from light and fan circuit.
10. All the boards shall be fixed on equal height from the ground level.
11. Starters should be of ISI mark and condensers should not be less than 4 MFD, 250 Volt for single tube 4', long 40 W fittings and 3.15 MFD/250 volts for twin 4' 40 W fittings.
12. All the conditions in M.F. 76 and 77 will be binding upon the contractor (which can be seen in the office).
13. All the work will be carried out as per the instructions of Engineer Incharge of Site.
14. [The only class-I licensed Electrical Contractor Approved by the Electrical Inspector to the U.P. Government are entitled to submit their tender. The Photostat copy of the approved license must be enclosed by the contractor along with the tender document at the time of, submission of tender in support of award of approved license.](#)
15. Even the licensed contractor as in S. N. 14 above will have to produce the list of works executed by him in the Govt. Dept. during the last one/two years along with the performance certificates from officer who should not be less than the rank of Executive Engineer in the concerned Dept. at the time of furnishing the tender documents. However, these conditions may be relaxed for the working contractor of NOIDA for considering the tender documents or acceptance.
16. The street light fitting should be connected and tested from the pole of street light phase/nearest light point.
17. The steel tubular poles will be required to be installed in cement concrete block as per specifications. The casting of block will be required to be done with suitable die/frame made) of steel or wood.

CONTRACTOR

**Officer Inviting Tender
NOIDA**

New Okhla Industrial Development Authority
SM-E&M (Div-I), Sector-39, NOIDA
ADDITIONAL CONDITIONS OF WORK

Clause No. 1 :

The works shall be carried out strictly in conformity with U.P.P.W.D. specifications for electrical works 1979, as amended up-to-date of this tender and in accordance with written instructions of the Engineer-in-charge from time to time during the execution of work if there is any difference between the additional conditions of work and the above U.P.P.W.D. specifications, the provisions contained in these additional conditions of work shall be prevail.

Clause No. 2:

1. Arrangement of Material:

The contractor should arrange all material required for execution of work with reasonable speed time factor being an important aspect of the contract. In case at least half the quantity of material of proper specifications does not reach the site of work after a lapse of 50% or the total time allowed, the **Senior Manager** after proper verification of the above fact, shall have the right to rescind the contract and the earnest money deposited by the contractor shall be forfeited.

2. Penalty on delay in completion of work:

The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be reckoned from the date on which the order to commence works is given to the contractor. The work shall throughout the stipulated period of the contract, be proceeded with due diligence time being deemed to be the essence of the contract on the part of the contractor and the contractor shall pay as compensation an amount equal to one percent or such smaller amount as the **Senior Manager-E&M (Div-I)**, (where decision in writing shall be final) may decided on the amount of the estimated cost of the whole work shown by the tender for every day, that the work remains un commenced or unfinished, after the scheduled dates provided always that the entire amount of compensation to be paid under the provisions of this Clause shall not exceed ten percent of the estimated cost of the work as shown in the tender.

3. Source of Supply of Material:

The contractor shall have to disclose his sources of procurement of main items of stores such as conductor, poles and street light fittings. He will also produce such documentary evidence which may be sufficient to satisfy the **Senior Manager-E&M (Div-I)** or his nominee regarding quality of the product and genuineness of the source of supply.

Clause No.3. Action of whole of security deposited forfeited:

If any ease in which under any clause or clauses of this contract the contractor shall have rendered himself liable to pay compensation amounting to the whole of his security deposited (whether paid in one sum or deducted by installments) the **Senior Manager-E&M (Div-I)** on behalf of the Authority shall have power to adopt any of the following courses as he may deem best suited to the interest of Authority.

- (a) To rescind the contract for which rescission notice in writing to the contractor under the hand of the **Senior Manager-E&M (Div-I)** or communicated through **Manager /Asstt. Manager**, shall be conclusive evidence. In which case the security deposit of the contractor shall stand forfeited and be absolutely at the disposal of the Authority.
- (b) To employ labour paid by the Authority and to supply materials to carry out the work or any part of the work, debiting the contractor with cost of the labour and material (for this purpose certificate from the Manager shall be final and conclusive) against the contractor and crediting him with the value of the work done in all respects in the same manner and at the same rates as if it had been carried out by the contractor under the terms of his contract and the certificate of the **Manager /Asstt. Manager** as to the value of the work done shall be final and conclusive against the contract.
- (c) To measure up the work of the contractor and to take such part there of as shall be unexecuted out of his hand and to give it to another contractor to complete, in which case any

expense may be incurred in excess of the sum which would have been said to the original contractor if the whole work had been executed by him (for such excess amount the certificate in writing of the **Manager** shall be final and conclusive) shall be bind and paid by the original contractor and may be deducted from any money due to him by Authority under the contract or otherwise of his security deposit. In the event of any of the above courses being adopted by the **Manager /Asstt. Manager** the contractor- shall have no claim to compensate for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements- Or made any advances on account of or with a view to the execution of the work or for the performance of the contract. And in case the contract shall be rescinded under the provision aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work their to actually performed under this contract - unless and until an **Manager** shall have certified in written, the performance of such and the value payable in respect thereof and he shall only be paid the value so certified.

Clause No.4. Contractor remains liable to Pay compensation if action not taken under Clause-3:

If any case in which any of the powers conferred upon the **Manager /Asstt. Manager** by clause 3, here of shall have become exercisable and if the same is not exercised, the non-exercising of power shall not constitute a waiver of any of the conditions here of and such power shall not with standing be exercisable in the event of any future case of default by the contractor for which by any clauses here of, he is declared liable to pay compensation amounting to the whole of his security deposit and the liability of the contractor for past and future compensation shall remain unaffected, in the event of **Manager /Asstt. Manager** putting in force either of the power (a) or (c) vested in him.

• **Power to take possession, removal of/or sale Contractor's Plant:**

Under the preceding clause, he may if he so desires, take possession of all or any tools plant or materials, and stores, in or upon the works of the site there of or belonging to the contractor or procured by him and intended to be used for the execute on of the work or any part there or paying or allowing for the same in account, at the contract rates or in case of these not being applicable at current market rates to be certified by the **Manager /Asstt. Manager** whose certificate shall be final, otherwise the **Manager /Asstt. Manager** may give notice in writing to the contractor or his clerk or the work-foreman or other authorized agent requiring him to remove such tools, plants, materials or stores from the premises (within a time to be specified in such notice) and in the event of the contractor's failing to comply with any such requisition of the **Manager /Asstt. Manager** may remove them at the contractor's expense or sell them by auction or private sale on account of the contractor and at his risk in all respects and the certificate of the **Manager** as to the expense of any such, removal and the amount of the proceeds and expense of any sale shall be final and conclusive against the contractor.

Clause No. 5. Extension of time:

If the contractor shall desire an extension of the time for completion of the work on the grounds of his having been unavoidably hindered in its execution or any other ground he shall apply in writing to the **Senior Manager-E&M (Div-I)** and the competent Authority will sanction such extension as may in his opinion be necessary and his decision shall be final.

Clause No.6. Registered Notice by contractor intimating completion of work to Senior Manager-E&M (Div-I):

On completion of the works the contractor shall send a registered notice to the **Senior Manager-E&M (Div-I)** by giving the date of completion, and shall request the **Manager /Asstt. Manager** to give him a certificate of completion but no such certificate shall be given nor shall the work be considered to be complete until the contractor should have removed from the premises on which the work had been executed all scaffolding, surplus materials and rubbish and cleared of the dirt from all wood work windows walls floor or other parts of any building in upon or about which the work has been executed or of which he may have had possession for the purpose of the execution thereof. If the contractor fails to comply with the requirements of this clause as to removal of scaffolding, surplus material rubbish and cleaning of the dirt on or before the date fixed for completion of the work the **Manager /Asstt. Manager** may at the expense of the contractor remove such scaffoldings, surplus material and rubbish and dispose off the same as he thinks fit and clean off such dirt as aforesaid and the contractor

shall forthwith pay the amount of expenses so incurred and shall have no claim in respect of any such scaffoldings, surplus material as aforesaid, except for any sum actually realized by the sale thereof. On completion, the work shall be measured by the **Asstt. Manager** in charge and checked by the **Manager** such measurements shall be binding and conclusive on the contractor.

Clause No. 7. Payment on intermediate Certificate to be regarded as advance:

No payments shall be made for works estimated to cost less than Rupees one thousand till the whole of the work is completed and certificate of completion given. But in the case of works estimated to cost more than Rupees one thousand, the contractor shall, on submitting the bill thereof to be entitled to receive monthly payment proportionate to the part thereof if approved and passed by the **Manager/Asstt. Manager** whose certificate of such approval and passing of sum so payable shall be final and conclusive against the contractor. But all such intermediate payments shall be regarded as payments by way of advance against the final payments only and not as payments for works actually done and completed and shall not preclude the requirement of bad, unsound and imperfect or unskilled work to be removed and taken away and reconstructed or re-erected, be considered as an admission of the due performance of the contract or any there of in any way the power of the **Manager/Asstt. Manager** under any of these conditions as to the final settlement and adjustment of accounts otherwise or in any other way or affect the contract. The final bill shall be submitted by the contractor within one month of the date fixed for completion of the work otherwise the **Manager/Asstt. Manager's** certificate of the measurement and of the total amount payable for the work accordingly shall be final and binding on all parties.

Clause No. 8. Bill to be submitted Monthly:

All bills shall be submitted by the contractor each month on or before the date fixed by the **Manager/Asstt. Manager** for all work executed in the pervious month and the **Manager/Asstt. Manager** shall take or cause to be taken the request measurement for the purpose of having the same verified and the claim, as for as admissible adjusted if possible before the expiry of ten day from the presentation of the bill. If the contractor does not submit the bill within the time fixed as aforesaid, the **Senior Manager-E&M (Div-I)** may depute a subordinate to measure up the said work in the presence of the contractor whose counter signature to the measurement list will be sufficient warrant, and the **Manager/Asstt. Manager** may prepare bill from such list which shall be binding on the contractor.

Clause No.9. Stores supplied by Authority:

If the specification of estimate of the work provides for use of any special description of material to be supplied from the **Manager's** store or it is required that the contractor shall use certain stores to be provided by the **Manager /Asstt. Manager** (Such materials and stores and the price to be charged there of as herein after mentioned being so far as practicable for convenience of the contractor, but not so as in any way to control the meaning of effect of this contract) as specified in the schedule or memorandum here to annexed, the contractor shall be supplied with such materials and stores as required from time to time to be used by them for the purpose of this contract only. And the value of the quantity of the materials and stores supplied at the rates specified in the said schedule or memorandum may be set off or deducted from any sums then due, or thereafter to become due, to the contractor under the contract or otherwise, or against or from the security deposit for the purpose. All materials supplied to contractor are the property of the contractor, but shall not any account be removed from the site of the work, except with the written permission of the **Senior Manager-E&M (Div-I)** or under the order of the **Manager /Asstt. Manager** and shall at all times be open to Inspection by the **Manager /Asstt. Manager** any such materials unused and in perfectly good condition, at the time of the completion or determination of contract may be special arrangement, be taken over by the Authority at the prevailing market rates if required for use on other works in progress, provided that .the price allowed shall not exceed the amount charged to contractor.

Clause No.10. Work to the design & specification:

The contractor shall execute the whole and every part of the work in the most substantial and workman like manner and both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the designs drawings and instructions in writing relating to the work signed by the **Manager** and lodged in his office and to which the contractor shall be entitled to have access for the purpose of inspecting during office hours and the contractor shall, if he so requires to be entitled at his own expense to make or cause to be made copies of the specifications and of all such designs drawings and instruction as aforesaid.

Clause No. 11. Alternation in Specification and design:

The **Senior Manager-E&M (Div-I)** shall have power to make any alterations in or addition to the original specification drawings and instructions that may appear to him to be necessary advisable during the progress of the work, and the contractor shall be bound to carry out the work in accordance with any instruction which may be given to him in writing signed by the **Senior Manager-E&M (Div-I)** and such alterations shall not invalidate the contract and any additional work which the contractor may be directed to do so in the manner above specified as part of the work shall be carried out by the contractor on the same condition in all respects on which he agree to do the main work and at the same rates as are specified in the tender for the main works. The time for the completion of the work shall be extended in the proportion that the additional work bears to the original contract work, and certificate of the **Senior Manager-E&M (Div-I)** shall be conclusive as to such proportion. And if the additional work includes any class of work for which no rate specified in the contract that class of work shall be carried out the rate entered in the U.P.P.W.D. Schedule items that are neither included in the bill of the tender nor in the U.P. P.W.D. Schedule, the rate will be worked out.

(a) Rate of Work not in estimate:

By analysis from the nearest analogous item in the bond or from the nearest analogues group of items in the U.P.P.W.D. Schedule rates which ever is less.

(b) Schedule of Rates Division:

It these are not possible then, by analysis based on the market rates of labour and materials. The rate of all such items shall be approved by the **Senior Manager-E&M (Div-I)** whose decision shall be final and binding on the contractor.

Clause No. 12. No compensation for Alternation in or Reconstruction's of work to be carried out:

It at any time after the commencement of the work the **Senior Manager-E&M (Div-I)**, shall for reason whatsoever not require the whole thereof as specified in the tender to be carried out, the **Senior Manager-E&M (Div-I)** shall give notice in writing to this fact to the contractor who shall have no claim to any payment or compensation, whatsoever, on account of any profit or advantage, which he might have derived from the execution of the work in full, but which he did derive in consequence of the full amount of work not having been carried out, neither shall he have any claim for compensation by reason of any alterations having been made in the original specification', drawings, and instructions which shall involve any curtailment of the work as originally contemplated nor shall have any claim to compensation by reason of his having purchased or procured materials with a view to the execution of the work for the performance of the contract. But the **Manager/Asstt. Manager** shall have the option to take over the material at site, if of approved quality and not in excess of the requirements of the work, and the contract for shall be paid actual cost thereof (for the amount of this cost a certificate by the **Manager/Asstt. Manager** shall be binding on the contractor). In the event of this option not being exercised, the contractor may submit to the **Senior Manager-E&M (Div-I)** within one month of the order closing down the work, detailed statement of the loss that he estimates he will sustain by removing, selling or otherwise disposing of the materials. The estimate will be forwarded to the Chief Executive Officer who will decide what sum, if any should as a matter of grace be paid to the contractor to compensate him for the loss suffered by him, and the decision of the Chief Executive Officer shall be final and binding on the contractor.

Clause No. 13. Compensation payable in case of bad work:

If it shall appear to the [Manager/Asstt. Manager](#) or his sub-ordinate in charge of the work, that any work has been executed with unsound, imperfect or unskillful workmanship, or with materials. If any inferior description or that materials or that articles provided by him for the execution of the work are unsound, or of a quality inferior to that contracted for, or otherwise not in accordance with the contract, the' contract shall on demand in writing from the [Manager/Asstt. Manager](#) specifying the work, materials or articles complained or not withstanding that the same may have been inadvertently, passed, certified and paid for forthwith rectify or remove and reconstruct the work so specified in. whole or in part as the case may required or as the case may be, remove the material or article so specified and provide other proper and suitable materials or articles at his own proper charge and cost and in the event of failing to do so within a period to be specified by the [Manager/Asstt. Manager](#) in his demand aforesaid then the contractor shall be liable to pay compensation at the rate of (1%) one percent, on the amount of the contract for every day not-exceeding ten days and in the case of his failure, the [Manager](#) may rectify or remove and re-execute the work or remove and replace with other materials or articles complained of as the case may be at the risk and expense in all respect of the contractor.

Clause No. 14. Works to be opened to inspection (Contractor or responsible agent to be present):

All work under or in course of Execution or executed in pursuance of the contract shall at all times be open to inspection and supervision of the [Chief General Manager, Senior Manager-E&M \(Div-I\), Technical Examiner, Manager](#) and his subordinates, and the contractor shall at all times during the usual working hours, and at all other times at which reasonable notice of intention of the [Manager](#) or his subordinates to visit the work shall have been given to the contractor, either, himself be present to receive orders and instructions have a reasonable agent duly accredited in writing, present for that purpose. Orders given to the contractor's agent shall be considered to have the same force as if they have been given to the contractor himself.

Clause No. 15. Notice to be given before work is covered up:

The contractor shall give not less than five days notice in writing to the [Manager](#) or his subordinate in charge of the work before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions there of be taken before the same is so covered up or placed beyond the reach of measurement and shall not cover up or place beyond the reach of measurement any workout the consent in writing of the [Manager](#) or his subordinate in charge of the work, and if any work shall be covered up or placed beyond the reach measurement without such notice having been given or consent obtained the same shall be uncovered at the contractors expense, or in default thereof no payment of allowance shall be made for such work or the materials with which same was executed.

Clause No. 16. Contractor for. imperfection for three months after Certificates:

If the contractor, his work people or servant do some work which is actually substandard but done in such a manner that imperfection becomes apparent only after two three months use after issued of a completion certificate the contractor shall make the same good at his own expense or in default, the [Manager/ Asst. Manager](#) may cause the same to be done by other workman, and deduct the expense for which the certificate of the [Manager/ Asst. Manager](#) shall be final for any sum that may be then or any time there after may become due to the contractor or shall be deducted from his security deposit.

Clause No. 17. Contractor to Supply Plant Ladders Scaffolding etc.:

The contractor shall supply at his own cost all materials (except such special material if . any, as may in accordance with. the contract be supplied from the Manager's Stores) plant, tools, appliances implements, Ladders cordages tackle, scaffolding and temporary works, requisite or proper for the proper execution of the work, whether original altered or substituted and whether included in the specification or other documents forming part of the contract or referred to in these conditions or not, which may, be necessary for the purpose of satisfying or complying with requirement of the [Manager/ Asst. Manager](#) as to any matter which under these condition he is entitled to be satisfied or which he is entitled to require, together with carriage thereof to and from the work site. The contractor shall also supply without charge the

requisite number of persons with the means and materials. necessary for the purpose of setting out works and counting, weighing and assisting in the measurement or examination at any time and from time .to time of the work of material tailing this the same may be provided by the Manager/Asstt. Manager at the expense of the contractor and the expense may be deducted from any money due to the contractor, under the contract from his security deposit. The contractor shall also provide all necessary fencing and light required to protect the public from accident and shall be bound to bear the expenses of defense of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay damages and costs which may be awarded an any, such 'suit, action or proceeding to any such persons, or which may with the consent of the contractor be paid to compromise any claim by any person.

Clause No. 18. Work not to be sublet (Contract may be rescinded any security deposit forfeited for subletting or if contractor becomes Insolvent):

The Contract shall not be assigned or subject without the written approval of the [Senior Manager -E&M \(Div-I\)](#) and if the contract shall assign or sublet his contract, or attempt to do so or become insolvent or commence any insolvency proceeding or make any composition with his creditor or attempt to do so or if any bribes, gratuity, gift loan requisites, reward to advantage pecuniary or otherwise shall either directly or indirectly be given promised or offered by the contractor or any of his servants or agents to any public officer or the person shall become in any way directly or indirectly interested in the contract Senior Manager -E&M (Div-II) may there upon by. notice in writing rescind the contract, and security deposit of contractor shall there upon stand forfeited and be absolutely at the disposal of the Authority and the same consequence shall ensure as if the contract has been rescinded under clause 3 thereof, and in addition the contractor shall not be entitled to recover or be paid for any work, actually performed under the contract.

Clause No.19. Sum payable by way of compensation to be considered as reasonable compensation without reference to actual loss:

All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of Authority without reference to the actual loss or damages sustained and whether or not any damage shall have been sustained.

Clause No. 20. Change in constitution of firm:

In the case offender by partner any change in the constitution of the firm shall be forthwith notified by the contractor to the [Senior Manager -E&M \(Div-I\)](#) for his information. Clause No. 21 Work to be executed/under Direction of Manager: All works under the contract shall be executed under the direction and subject to the approval in all respect of the Manager who shall be \ entitled to direct in what manner they are to be commenced and from time to time carried out. In general the work shall be carried out as per specification of U.P, P.W.D. 2009 also satisfying the conditions of I.E. Rules.

Clause No. 22 :

All conductors, cables and materials used in electrification work shall be according to relevant latest I.S. specifications. All poles used by the contractor in construction of lines shall strictly conform to latest I.& S. Particularly in respect of the following:

- (a) Single longitudinal weld seam if welded tubes are used in manufacture.
- (b) Freedom from harmful surface defects.
- (c) Dimensions to be within permissible tolerances.
- (d) Protection against corrosion.

Clause No. 23 Decision of the Senior Manager -E&M (Div-I) to be Final:

Except where otherwise specified in the contract the decision of the Senior Manager-(E&M)(Div-I) shall be final conclusive and binding on all parties to the contract, upon all questions relating to the meaning, specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship or materials used on the works or as to any other questions, claim right, matter or things whatsoever in any way arising out of or relating to the contract, designs specifications, estimates, instructions, orders, or these conditions, or otherwise concerning the work, or the execution or failure to execute the same whether arising during the work, or after the completion be final conclusive and binding on the contractor.

Clause No. 24 Strike out this clause in the base of an item rate contract:

In every case in which by virtue of the provisions of section 12 subsection (10) of the workman's compensation Act, 1923, Authority is obliged to pay compensation to a workman employed by the contractor or by an sub-contractor from him in the execution of the said work. Authority will recover from the contractor the amount of the compensation so paid and without prejudice to the rights for Authority under section 12 sub section (2) of the side act, Authority shall be at liberty to recover such amount or and part thereof deducting it either from the money deposited by the contractor to his credit under security of these conditions or from any other sum due by Authority to the contractor where under his contract or otherwise. Authority shall not be bound to contest any claim made against it under section 12, subsection [1] of the said Act except on the written request of the contractor and upon his giving to Authority full security to all cost, for which Authority might be liable in consequence of contesting the claim.

Clause No. 25 Security of Installation till handed over:

The Contractor shall also arrange for complete watch and Security of the Installations till it is energised at the rated voltage and handed over to New Okhla Industrial Development Authority. He will also meet the cost of replacement of conductors pilfered from the line and any of line materials impaired or damaged by miscreant, storm or heavy rains without any additional cost to the Authority. The work of re-alignment of poles, resetting of X-arms; repainting of poles and reshaping of plinth shall be done by the Contractor free of cost within 15 days from the date of issue of letter by the representative of this Division, till this work is not handed over to New Okhla Industrial Development Authority / UPPCL

Clause No. 26 inspection by Electrical Inspector:

The contractor shall provide proper facilities to the Electrical inspector of U.P. Govt. or his authorised representative while conducting inspection and will obtain satisfactory testification of work from him. All expenses incurred in arranging inspection, including any fee involved shall be born by the contractor..

Clause No. 27 Payment for extra items:

All the extra-items, which have not been provided in bill of quantity of this tender, but which are covered in schedules of this division shall be payable to the contractor at the rates provided in the schedules add/less the over all percentage rate contractor against this tender. The contractor shall have no option but to accept this rate.

Clause No. 28 Meaning of term 'Fixing'

The term fixing of any items includes cost of required labour, T&P, Bolts, Nuts, Washers and any other material or accessory required for proper fixing of the item concerned. No extra cost in this regard shall be payable by the Authority to the Contractor.

Clause No. 29 Submission of B & L Form:

This contractor shall have to submit B&L form within a month after completion of work, to the site Engineer for his checking and this shall be reported in writing along with the date of completion of work, immediately to this office for further action at this end.

Clause No. 30

All the papers signed by the parties to this contract and bond together and shall be deemed to form part of the contract bond and shall be read as the conditions of contract.

Clause No. 31

The contractor shall supply every labour employed by him with identity card.

Clause No. 32 Dismissal Workman:

The contractor shall on the direction of the Manager/Asstt. Manager immediately dismiss from the works any person employed there on who may in the opinion of the Manager /Asstt. Manager be unsuitable or incompetent or who may misconduct himself, and such person shall not be again employed or allowed on the works without the permission of the Manager /Asstt. Manager.

Clause No. 33 Damage to Persons Property Insurance in respect of:

The contractor shall be responsible for all damages to the structural or other property of the Authority or any other organisation caused due to neglect of himself or his employees during execution of work. All such damages shall be made good by the contractor free of charge without any claim from any other party.

Clause No. 34

If water-tight street-light fittings are to be installed by the contractor the same shall be got approved by [Senior Manager -E&M \(Div-I\)](#) The accessories used shall have best available quality and the chokes used shall be copper wound & high power factor fitting shall be used.

Clause No. 35

A whole-time foreman shall be employed by the Contractor who will remain at site of work to receive order or any instruction from the Manager-in-charge.

Clause No. 36

The work shall be done strictly in accordance with the drawings and positions marked therein. However, not withstanding any information given to him he should contract Engineer-in-charge or his local representative for proper completion of work.

Clause No. 37

The contractor while executing the work shall conform to the provisions of any Govt. Act. regulation bye-law of local authorities relating to the work and will give all notices required by the side Act, regulation or bye-law to energise the electric installation and procuring electric supply. Any security or deposits of any form required by State Electricity Board for releasing power of energising such installations shall be met by the Authority, but any expenditure required for proper observance or provisions of any Govt. Act/regulation or bye-law of local authorities relating to the completion and energisation of work shall have to be met by the contractor.

Clause No. 38

The contractor shall submit one complete set of original and further two copies of layout drawings to the Engineer-in-charge. These drawings shall have the following information:

- (a) Routes of each lines and cable.
- (b) Position of loops in case of cables and location of switching stations.
- (c) Locations of earthings and stays.

Clause No. 39

No completion certificate shall be issued by Asstt. Manager concerned until the executed drawings and B & L forms are submitted. Three sets of drawings shall be prepared and submitted by contractor without any extra charges.

Clause.No.40

If desired by the [Senior Manager-E&M \(Div-I\)](#) the covered works, grouting and section of concealed wiring and similar other works, which are not exposed to the surface shall be dug out to the extent desired by the aforesaid officer and shall be put to suitable test. All such works shall be done again and parts destructed during testing shall have to be replaced with standard I.S.I, marked parts of parts approved by the [Senior Manager -E&M \(Div-I\)](#) by the contractor at his cost. No extra payment shall be made by the Authority for replacement of such parts.

Clause No. 41

- i. The security deposited against the work will be refunded after **three** year from the date of completion of work or after satisfactory handling over of installation to U.P.P.C.L. which ever falls later.
- ii. The security deposited against the work will be refunded after **one** year from the date of completion of work in case of departmental work.

Clause No. 42

The payment of final bill be made only after the satisfactory handling over the installation to UPPCL

43. The work shall be executed in close coordination with the progress of the building work. If the site for work is not available either in part or in full, for any reason the time for execution of the electrical work shall be correspondingly extended, no claim for idle labour if any, or for compensations shall be entertained.

Before submission of the tender, the contractor is advised to study the progress of building work at site and to ascertain the program of building work execution.

44. The successful tender shall acknowledge the receipt of award letter, immediately on the receipt of the same.

45. Drawing showing the layout of internal electrical installations can be seen in the office of the **Senior Manager E&M (Div-I)** during working hours on any working day. The Engineer- in-charge reserves the right to make any modifications to the layout at any stage during the execution of the work and contractor will be bound to follow it. No extra claims shall be entertained on account of the same.

46. No tools and plants will be issued for execution of the work or for testing of the installations, these shall be provided by the contractor within the quoted cost.

47. 'Watch and ward of the materials, if any issued by' the Engineer-incharge, and of the materials brought by the contractor, and also of the erected installations shall be the responsibility of the successful tender, till the same are handed over to the department duly erected on completion of the work. 48. Samples of the materials required to be used on the work shall be got approved from the Engineer-in-charge before use on work. The materials used shall be strictly the same as per the approved samples. All rejected materials shall be removed from the site immediately.

49. No structural member of the building, viz. columns, beams etc. shall be damaged during execution. Any damages caused to the building as a result of execution of electrical works, shall be the responsibility of the successful tenderer. Such damage shall be made good promptly, within the quoted rates to the entire satisfaction of the Engineer-in-charge, In, any event of failure of the contractor to comply with this requirement, such damages shall be got rectified as may be required at the risk and cost of the contractor.

50. The site shall be cleared after every day's work.

51. (a) Earthing work and testing of installations shall be carried out in the presence of the Engineer-in-charge or his authorised representative.

(b) The contractor shall have to fill in the test report for service connection from UPPCL if so required by the Engineer-in-charge.

52. The phenolic laminated sheet for fixing over the switch boxes shall be of approved shade. The slots for accommodating the piano key type switches/plugs shall be made only to the required size and there shall be adequate cover for the fixing hole of such switches/plugs. The edges of the sheets shall be cut vertical and corners rounded off Sheets not satisfying these conditions shall be summarily rejected.

53. Exposed parts of all outlet metal boxes including switch boxes junction/inspection outlets shall be finished with a coat of approved paint. The primer coats shall however be done on the entire surfaces before erection.

54. The screws with cup washers for fixing the phenolic laminated sheets over metal boxes shall be provided to adequate so that they cover the full thickness of the threaded portion of the box.

55. In the case of recessed conduit work, chases in the masonry for embedding the conduits, shall be cut in proper line and to proper depth. Any damage to the adjoining portion shall be filled with cement mortar 1:4 (1 cement: 4 coarse sand) and made flush with the masonry surface. Adequate curing of such mortar work shall be done to the satisfaction of the Engineer-in-charge.
56. Mechanical protection for any batten wiring will have to be done within the quoted cost.
57. The depth of metal boxes to accommodate fan regulators shall be of 100 mm and those for power plugs 75 mm, wherever recessed type metal boxes are provided.
58. Markings such as L.P.N. quarter number etc. as required by the Engineer-in-charge shall be made on the switch boards within the quoted cost wherever applicable.
59. Fish wire in conduit work shall be of 16 SWG size in the case of recessed conduit pipe.
60. The accessories and fittings should be used as per as the approved list in the revised schedule of UPPWD and as approved by the Engineer-in-charge in case of non schedule item.
61. All main and distribution boards shall be of swing back type or as per approved design at the time of execution.
62. In case of wiring in recessed surface conduit pipe, the type of main board used for fixing of D.B. & main switches (TPN & SPN) shall be of iron clad of suitable size and the time of execution for which no extra payment will be made.
63. Any statutory deduction shall be recovered from the contractor at application rates:
64. The firm/Contractor will have to bear the all expenses & responsibilities for inspection of all material in the premises of manufactures as per direction of E/I.
65. [Any imposed by the Govt. shall be the liability of the contractor.](#)
66. All road cutting /Damage or alteration of any services is responsibility of contractor. All expenses /charge /penalties should be bear by the contractor.

CONTRACTOR

**Officer Inviting Tender
NOIDA**

New Okhla Industrial Development Authority

G.P.W. FORM -9

Approved U.P. Govt. vide D.O.

No. 6628-A-C-23-S.N.

Anubhag 9-19

AC/1969 Dated 09-03-72

and also

AMMENDED VIDE CE'S LETTER 1921/MT62/1973/Dt. 30-03-74

- NOTE -

Please read the following: -

1. NOIDA in place of Governor, U.P.
2. Chief Executive Officer in place of Chief Engineer, UPPWD.
3. Chief Project Engineer in place of Superintending Engineer.
4. Manager in place of S.D.O./Assistant Engineer.

**General Conditions of Contract for Electrical Works in the
New Okhla Industrial Development Authority
Post Office NOIDA Complex**

GENERAL CONDITIONS OF CONTRACT

Definition of terms - In constructing these General Conditions and the annexed. Specification the following words shall have the meanings herein assigned to them, unless there is something in the subject or context in consistent with such construction.

The 'Authority' shall mean "New Okhla Industrial Development Authority, Post Office NOIDA Complex, (U.P.)".

The C.E.O. shall mean the Chief Executive Office of New Okhla Industrial Development Authority, P. O. NOIDA Complex, (U.P.) and shall include his successors and assigns.

The "Contractor" shall mean the Tenderers whose tender shall be accepted by the C.E.O. and shall include such Tenderers, legal personal representatives or successors and assign.

The "Inspector" shall mean the **Senior Manager -E&M (Div-I)** for the time being attached to New Okhla Industrial Development Authority, Post office NOIDA Complex, (U.P.) or such other officer as may be appointed by the C.E.O. to superwise the works on his behalf.

"Plant" shall mean and include any machine or apparatus fixed or movable issued for the generation or transmission of power, or actuated by power.

"Work" or "Works" shall mean the whole of the plant and the materials to be provided and works to be done, executed or carried out by, the contractor under the contact. The "Contract" shall mean all the documents by which the agreement by the Contractor to provide to execute or carry out the plant, work or works shall be constituted or in or by which the terms of such agreement or any of them are contained or set forth specially including these General Conditions, any Special Conditions attached to or issued with these Conditions, the Specifications, the Drawings, Invitation for Tenders (if any) or any other letter notice or document upon or with reference to which Tender is made the Tender and the acceptance thereof and the Schedule of Prices (if any) furnished by the Contractor with his tender.

The "Specification" shall mean the specification annexed to these General Conditions and the Schedules thereto (if any).

The "Site" shall mean the whole of the premises, buildings and grounds in or upon which the plant, work or works or works is or are to be provided, executed, erected, done or carried out.

The "Drawings" shall mean the drawing issued with the specification which will ordinarily be identified by being signed by the inspector and any further drawing submitted by the Contractor with his tender and duly signed by him and accepted or approved by the Inspector and all other drawings supplied or furnished by the Contractor or by the Inspector in accordance with these General Conditions.

The "Special Condition" shall mean the special conditions of contract (if any) attached to the General conditions. The "Schedule" shall mean the Schedule or schedules attached to the specification.

2. *Contractor to inform himself fully-* The contractor shall be deemed to have carefully examined the Invitation for Tenders (if any) the General and any Special Conditions, the

specifications and drawings and the Schedule of Prices (if any). In case of any discordance or want of agreement between or amongst the several things herein described the grounds or date of the contract than these conditions shall have precedence of and be held to be more correct and binding than the Specifications or any condition referred to therein or in any other documents forming part of the contract and in like manner detailed drawings shall be held to be more correct and binding than general drawings, and in like manner drawings made to a large scale or for special instructions, shall be held to be more correct and binding than drawings made to a smaller scale, or for general instruction and figured dimensions shall be held to be more correct than dimensions, by scale but subject nevertheless in case of doubt or dispute as to any of the matters aforesaid to the determination and decision of the Inspector as hereinafter is more particularly mentioned and provided always that nothing herein contained shall limit the powers of the Inspector hereinafter mentioned.

3. Security - The Contractor shall within ten days of the intimation to him of the acceptance of a tender deposit a sum which when added to the amount of the earnest money deposited duly pledged in favour NOI DA with the tender, will be equal to ten per cent of the amount of the tender or any less sum fixed by the Inspector or Government, as security, for the performance of the contract. All damages, costs, charges, expenses and other sums which may become due or payable by the Contractor to the C.E.O. under the terms of the contract may be deducted from the cash or paid out of the proceeds of sale of a sufficient part of securities so deposited (which the officer or person to whom the same be endorsed as aforesaid is authorized to sell for' that purpose) or from the interest accruing on any such securities or from any sum due or which may become due to him by the C.E.O. on any account whatsoever the whole or the balance unapplied as aforesaid of the cash or securities so deposited being repaid or: transferred and returned as the case may be to the Contractor at the end of the period of maintenance provided for by clause 16 of these conditions. In the event of any and on the occasion of every such deduction or sale as aforesaid, the Contractor shall within ten days thereafter make up in cash or such securities as aforesaid the deficiency thereby occasioned in the said security deposit.

4. Mistakes in Contractors drawing - The contractor shall submit such drawings as may be required and shall be responsible for any discrepancies, errors or omissions in any drawings or other particulars supplied by him notwithstanding that such drawings or particulars may have been approved by the Inspector.

5. Patent rights, etc.- The Contractor shall fully intensify the Governor against all actions, suits, claims, demands, costs;' charges and expenses arising from, or incurred by reason of any infringement or alleged infringement of any letters, patent design, trade mark or name, copyright or other protected rights in respect of any machine, plant, work material, thing or system or method of using, fixing, working or arrangement used or fixed or supplied by the Contractor, but this indemnity shall not extend or apply to any action suit, claim, demand, cost charge or expenses arising from or incurred by reasons of the use of the works or any part thereof otherwise than on the manner or for a purpose contemplated by the contract. All royalties and other similar payments which may have -to be paid for the use of any such machine, plant, work, material, thing, system or method as aforesaid (whether payable in one sum or by installments or otherwise) shall be covered by the contract price and payable by the contractor. In the event of any claim or demand being made or action or suit brought against the C.E.O. in respect of any such matter or matters aforesaid the Contractor shall be duly notified thereof and he shall conduct all Negotiations for the settlement of such claim or demand and action or suit shall also be conducted by him subject if and so far as the C.E.O. shall think proper to the supervision and control of the C.E.O. through the officer duly authorized in this behalf.

6. Sub-letting of contract- The Contractor shall not without the consent in writing of the C.E.O. under the hand of the Inspections assign or sublet the contract nor make any subcontract with any person or persons for the execution of any portion of the. work other than for raw-materials, for any part of the work of which the manufacturers are named in the contract.

7. Workmanship and materials-The work shall be carried out in all respects with workmanship and materials of the best and most substantial and approved qualities to the entire satisfaction of the Inspector who may reject any plant, apparatus, material or, workmanship which shall in his opinion be defective in quality and such rejection to be final and conclusive. Contractor shall at his own expense provide all materials, labour haulage, power, tool-stackle and apparatus necessary to executed and complete the work and plant in manner aforesaid.

8. Use of works pending completion- The C.E.O. shall be at liberty at any time; to put into beneficial use the whole or any part of the work he may desire to use pending the formal completion and taking over of the same.

9. Power to vary or omit work- The Inspector shall have full power, from time to time before the works have been taken over by notice in writing to order the Contractor to alter, amend, omit and to or otherwise vary any of the works, and any such order shall be without prejudice to the liability of the Contractor under the contract and the Contractor shall carry out any alterations, amendments, omissions, additions or variations so ordered and be found in carrying them out by the same conditions as far as applicable, as though the said alterations, amendments, omissions, additions or variations occurred in the Specifications. The difference of cost (if any) occasioned by any alterations, amendments, omissions additions or variations so ordered as aforesaid shall be added to or deducted from the contract price, as the case may require, the amount of such difference (if any) shall be ascertained and determined in accordance with the rates specified in this contract, so far as the same shall be applicable.

If such alterations, amendments, omissions additions or variations include any work for which no rate is specified in this contract, then the Contractor shall, within seven days of the date of his receipt of the order in writing to carry out the work inform the Inspector of the rate which it is his intention to charge for such work and if the Inspector does not agree to this rate, he shall be at liberty to cancel by notice in writing within 07 days of being so informed his order to carry out such work, and arrange to carry it out in such manner as he may consider advisable, provided always, that if, the Contractor shall commence work or, incur any expenditure in regard thereto before the order shall have been cancelled as lastly here in before mentioned, then and in such case he shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of the cancellation of the order as aforesaid according to such rate or rates as shall be fixed by the Inspector. The C.E.O. shall not become liable for the payment of any charge in respect of any such alterations, amendments, omissions, additions or variations unless the orders or instructions for the performance of the same shall have been giving writing by the Inspector in the event of any orders being given under the power conferred by this clause reasonable and proper allowances shall be made in time for any delay occasioned thereby and in money for any plant or materials already prepared or work done and requiring to be altered in consequence thereof.

10. Protection and liability for accidents, theft and damage- The Contractor shall at all times until the commencement of the period of maintenance as provided in clause 16 property and sufficiently cover up and protect all materials delivered on site from damage or injury by exposure to the weather and shall take every other proper precaution against accident, damage or injury to the same from any cause. The Contractor shall be and remain answerable and liable for all accidents and damage thereto which until the commencement of the period of maintenance as provided for under clause 16 may arise or be occasioned by the acts or omissions of the Contractor or his workmen, agents, servants or sub- contractors and all losses and damages arising from such accidents damages or injuries as aforesaid shall be made good in the most complete and substantial manner by and at the sole cost of the contractor and to the satisfaction of the Inspector.

Provided that should the Inspector certify that the work has been completed but that owing to circumstances over which the Contractor has not control the work cannot be taken over/the Contractor shall not be held liable for any loss of or the damage to work: occasioned by such delay in. taking over and occurring more than one month after the date of completion of the work as certified by the Inspector.

Unit the work shall be or be deemed to be taken over as hereinafter provided, the Contractor shall also indemnify the C.E.O: from and against all claims and demands, suits, proceedings, cost and expenses in respect of or in connection with any injury to persons or damage to property by whomsoever sustained by the acts or omissions of the Contractor or his workmen or sub-contractors or by defective designs, work or material made, done, finished or applied by the Contractor. The Contractor shall also be responsible for thefts of any property of the C.E.O. or of others committed by any employee of his own or his sub- contractors shall be liable for cost of replacing any property stolen.

11. Insurance - Subject as hereinafter provided the Contractor shall at his own expense insure and at all times prior to the commencement of the period of maintenance keep insured against destruction or damage by fire or earthquake, storm and tempest such plant and materials ordered for the work as may for the time being be upon the site for the full value of such plant and materials.

12. Materials brought on to the site- All materials, tools and tackle brought to and delivered upon the site for the purposes of the work shall from the time of their being so brought, vest in and be the property of the Authority but may be used for the purpose for the work but for that purpose only and shall not on any account be removed or taken away by the Contractor or any other persons without the express permission in writing of the Inspector but the Contractor shall nevertheless (subject as hereinafter provided) be solely liable and responsible for any loss or destruction thereof or damage thereto unless resulting from causes beyond the Contractor's control not being causes insurance against destruction or damage from which is provided for in clause 11. The C.E.O. shall have a lien on such materials, tools and tackle for any sum or sums which may .at any time prior to the completion of the works be due or owing to him by the Contractor under in respect of or by reasons of the contract, and shall be at liberty to sell and dispose of any such materials, tools and tackle remaining after the completion of the work in such-manner as the shall think fit and to apply the proceeds in or towards the satisfaction of such 'sum or sums so due or owing as aforesaid but subject to such lien and power of sale and disposal, such surplus materials, tools and tackles shall belong to the Contractor and may be removed and disposed of by him as he shall think fit.

13. Default- the Contractor shall at any time fail in the opinion of the Inspector to proceed with the work with due diligence and expedition, or shall refuse, neglect or omit to comply with any orders given in writing by the Inspector in accordance with the provisions of these conditions, or shall commit any, other breach of the provisions of the contract, the Inspector shall be at liberty to give notice in writing to the contractor to make good the failure, neglect, omission or breach complained of and should the Contractor fail to comply with any such notice within such period as may be prescribed in such notice then and in such case the C.E.O'. shall be at liberty to employ workmen other than those of the Contractor to perform and execute the work in respect of which failure, neglect or omission referred to in such notice shall have been committed or occurred or, if *the* C.E.O. shall think fit it shall be lawful for him to enter into a new contract with any other person or persons for the execution of such part of the work as may not have been executed and in that event the C.E.O. shall, without incurring any liability to the contractor, be entitled to use all or any of the materials, tools, tackle or other things which may then be on the .site for the purpose of completing the work of any part thereof and to provide any additional materials, tools or tackles required for the purpose and the cost of the executing of any such work and providing any such materials shall be paid by the Contractor to the C.E.O. on demand. Subject to the after satisfaction of the lien of the C.E.O. for any sum due to him by the Contractor for any expenses, costs of charges incurred in the completion of the work all materials, tools, tackle or other things remaining on the site and unsold after such completion shall forth with thereafter be removed by the Contractor.

14. Replacement of defective work or materials- if during the progress of the work and before the work is passed for final payment the Inspector shall notify in writing, to the Contractor that in his opinion the Contractor has executed any unsound or imperfect work, or has supplied any material inferior to quality to those stipulated for by the contract the Contractor shall at his own expense, within ten days of his receiving the notice, proceed with due expedition to remove or alter, reconstruct or replace the work, or as the case may be supply fresh materials up to the standard of the Specification in place of work or material complained by the notice (as the case may be) and in case the Contractor shall fail to do so the C.E.O. may after the expiration of ten days from the giving to the Contractor of a further notice in writing stating the authority's intention to do so forthwith at the cost of the Contractor remove the work or materials complained of and perform all such work (or as the case may be) supply and such materials in place of those complained of as may be necessary or proper in order to comply with contract and the cost as certified by the Inspector of any such removal and performance or work of supply or materials shall be paid by the Contractor to the C.E.O. in demand; provided always that nothing in this clause shall be deemed to deprive the C.E.O. of or effect any other rights or remedies under the contract or otherwise which he may have in respect of such defects or deficiencies. No payments which may have been made on account of materials delivered or work executed shall be looked on as acceptance of such on any work materials.

15. Cutting away and making good- *The tender is to include all necessary cutting away and making good for the purposes of the contract of the wood work, walls, floors, etc of the site. The contractor will be held responsible for, and will have to make good at his own expense, to the satisfaction of the Inspector, any damages to or disfigurement of the site which may have been caused by the acts or omissions of himself or his servants or agents in connexion with the carrying out of the contract.*

16. Maintenance- *The Contractor shall make good at his own expense all defects due to faulty design, material-or workmanship on the part of the Contractor which may during a period of*

twelve calendar months from the date on which the work is certified by the Inspector to have been brought into beneficial use or, no such certificate is given from the date of the final payment of the work under clause 20 (which period is hereinafter called the "period of maintenance") develop under proper use in the work or any part thereof by replacing plant, materials or work or otherwise as may be necessary. Any such making good by the Contractor shall in no way relieve him from his liability to make good any further defects in the work made good or replaced which may develop during the remainder of such period of twelve months if any such defects are clearly caused by the fault of the Contractor and are liable to recurrence, the Contractor shall make such alterations as are required to prevent any recurrence of such defects. If any defects or alternations which the Contractor shall become liable to make good or make under this clause be made good or made (as the case may be) within such time as the Inspector may prescribe for the purpose the Inspector may proceed to make good or make the same (as the case may be) at the risk and expense of the Contractor but without prejudice to any other rights or remedies which the C.E.O. may have against the Contractor in respect of his default in making good or making the same as aforesaid and the cost of any such making good or making shall be paid by the Contractor to the C.E.O. on demand.

17. Contractor's representative and workmen- The contractor shall employ at least one competent representative, whose name or names shall have previously been communicated in writing to the Inspector by the Contractor to superintend the carrying out of works. The said representative, if it more than one, shall be employed then one of such representatives shall always be present on the site during working hours and any written order or instructions which the Inspector or his duly authorized representatives, whose name shall have been previously communicated in writing to the Contractor, may give to the said representative of the Contractor shall be deemed to have been given to the Contractor. The Engineer shall be at liberty to object to any representative or person employed by the Contractor in the execution of or otherwise 'about the works who in the Inspector's opinion shall misconduct himself or be incompetent or negligent and the Contractor shall remove every person so objected to forthwith upon receipt from the Inspector of notice in writing requiring him to do so.

18. Submission of samples - The Contractor shall not without the written sanction of the Inspector use for the execution of the work any materials, plant or stores of any type or description other than those specified in his tender. He shall if required to do so or at his opinion, deposit samples at the office of Inspector for approval, and the Inspector shall, within fourteen days of the receipt of the samples, express in writing to the Contractor his approval or otherwise of the sample deposited, and all materials, plant and stores used in the execution of the work must be in every way equal to the deposited samples. All samples deposited will be returned to the Contractor within one month of work being taken over.

19. Deductions from contract price - The amount of all costs of work, expenses or other sums which under the contract shall be payable by the Contractor to the C.E.O. may be deducted by the C.E.O. from any money due or becoming due by him to the Contractor under the contract, without prejudice to the C.E.O.'s right to recover the same by the ordinary process of law.

20. Terms of payment - Subject to any deductions which the C.E.O. may be authorized to make under the contract, the Contractor shall be entitled upon the certificate of the Inspector to the effect hereinafter stated to payments by this C.E.O. by installments in accordance with the following provisions:

(1) Installments of 75 per cent of the value as certified by the Inspector of the materials from time to time delivered or worked executed on the site.

(2) The remaining 25 per cent of the total value so certified of the work or where the work is divided into sections in the specification of each section, as follows:

15 per cent at the expiration of one month after the work or section shall have been taken over by the C.E.O. and the remaining 10 per cent at the expiration of four months after such taking over.

In the event of the Inspector satisfying or after the works being taken over those minor defects not justifying the withholding of his certificate of completion exist therein the C.E.O. shall be entitled to retain out of the installments payable or such certificate such sum as represents the cost as ascertained by the Inspector of making good such minor defects and any' balance of the sum or retained shall, subject to the other provisions of these conditions become due upon such minor defects being made good.

If at any time the Contractor shall be prevented for any period of not less than thirty days from causes within the control of the C.E.O. either, first from delivering on the site any plant or materials

ready in India for delivery or secondly from proceeding with the erection of any plant or materials which he has already delivered on the site, the C.E.O. shall be the cost of storage and protection, including insurance in accordance with clause 11 of the plant and materials during such period. In the first of such case the Contractor shall be entitled to payment of 75 per cent of the value certified as aforesaid of the plant or material the delivery of which shall have been so prevented within one month from the date on which as certified by the Inspector such plant or materials are so ready as aforesaid provided that all portions thereof have been suitably and sufficiently marked as being the property of the C.E.O. and are delivered into the custody of some persons approved by the Inspector who has granted a receipt thereof. Installment shall be due and payable by the C.E.O. within one month from the date of each certificate of the Inspector.

21. Certificates of Inspector- Every application to the Inspector for a certificate must be accompanied by a detailed claim (in duplicate) setting forth (in the order of the Schedule of prices, if any), particulars of the plant or materials delivered and work executed to the date of the claim, and the certificate as to such of the plant and work mentioned in the claim as in the opinion of the Inspector in accordance with the contract shall be issued within fourteen days of the application. No application for a certificate shall be made within fourteen days of a previous application.

22. Certificate not to affect right of the C.E.O. or Contractor - The Inspector may by the certificate make any correction or modification in any certificate previously issued by him, and payment shall be regulated and adjusted accordingly. No certificate of the Inspector shall nor shall any payment on account by the C.E.O. to the Contractor, nor any extension of time for the execution of the works by the Contractor which may be granted by or on behalf of the C.E.O. affect or prejudice any of the rights of the C.E.O. against the Contractor under or relieve him of any of his obligations for or in respect of due performance of the contract, or be interpreted as approval of work done or of material supplied.

23. Closing of works-It at anytime after the commencement of the work The C.E.O shall for any reason whatsoever not require the whole works specified in this contract to be carried out, the Inspector shall give notice in writing of the fact of the Contractor.

The work actuated executed to date of closing down under this clause including all extras, omissions and variations shall be examined in detail by the Inspector and paid for at the rates given in the contract.

The Contractor shall have no claim to any payment or compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive the consequence of the full amount of the work not having been allowed to be carried out nor shall he be entitled to any payment by reason of his having purchased or procured materials with a view to the execution of the work or the performance of the contract, but the Inspector shall have the options to take over the materials at site, if of approved quality and not in excess of the requirements of the work and to pay for them at actual cost price of the amount of which cost a certificate by the Inspector Incharge shall be binding on the Contractor. In the event of this option and being exercised, the Contractor shall submit to the Inspector within one month of the date of receipt of the order closing down the work detailed statement of the loss that he estimates he will sustain by removing, selling or otherwise disposing of the materials. This shall be payable to the Contractor by way of compensation and the decision of the Authority shall be binding on the Contractor.

24. Damages for delay in completion - If the work shall not be duly completed within the time fixed by the Contractor or any extension thereof which may be granted to the Contractor and if but for the above failure of the Contractor the C.E.O. would have been able. to make efficient jise of the work the contract price of the work shall be reduced by a sum equal to two per cent of the value as ascertained by the Inspector's certificate which shall be final of such portion of the work as in consequence of the delay cannot, in the Inspector's opinion be used efficiently for each week or part of a week, between the stipulated date for completion or the expiration of any extended time granted for completion (as the case may be) and the actual time of taking over, provided that such deduction shall not exceed twenty per cent of the value so ascertained as aforesaid of such portion of the work as aforesaid. (Provided also that nothing in this clause shall prejudice or effect the rights given to the C.E.O. by clause 13 of these conditions):

Provided also that if any plant and materials for the execution of the work shall have been specified in the tender as having to be obtained outside India and are actually so obtained and cannot ordinarily be obtained in India the reduction of per week of the contract price to be made as herein before provided for any delay in the delivery of such materials shall be half of one per cent instead of two per cent.

25. Time of taking over- The work shall for the purpose of all the provisions of these conditions be deemed to have been completed and taken over by the C.E.O. when the Inspector shall have certified in writing that it has been completed in accordance with the contract conditions and such certificate shall not be unreasonably withheld nor shall the Inspector delay its issue on account of omissions or defects which in his opinion do not affect the efficient use of the work but such issue shall be without prejudice to the Contractor's liability to make good any such omissions and defects with the greatest possible expedition.

26. Death and bankruptcy- If the Contractor shall die or become insolvent, or bankrupt or have a receiving order made against him or compound with or make any proposal for carrying on his business under inspection or for the benefit of the creditors or commit an act of insolvency of bankruptcy or being a Corporation be ordered to be wound up or have a receiver of its business appointed, the C.E.O. shall be entitled, forthwith by notice in writing to the Contractor of his legal representative to determine the contract and the C.E.O. may in that event complete the contract in such time and manner and by such person as he shall think fit.

27. Arbitration-Any dispute or difference between the C.E.O. and the Contractor as to the rights or liabilities of the parties hereto or as to any matter or thing whatsoever arising under this contract or concerning its construction whether such dispute or difference arises during the continuance of this contract or after its determination by completion or breach or otherwise however, shall in the first instance be referred to the C.E.O. NOIDA, who shall give his decision in writing thereon. Such decision shall be final and binding on the parties unless the Contractor within fourteen days of the receipt thereof give the C.E.O. notice in writing objecting to such decision, in which case and in the any case in which the C.E.O. fails to have a decision in writing within twenty-one days after receipt of notice in writing given to him by the Contractor requiring his decision such dispute or difference shall be referred to an arbitrator appointed by the C.E.O. NOIDA and in either case the decision of the arbitrator (including his decision as to costs) shall be final and binding on the both the parties and the cost of the arbitration shall be borne by the parties in such manner as the arbitrator may decide. If any such dispute arises in consequence of an act of God, war or civil commotion and is referred to arbitration under the provisions of this clause, the arbitrator shall decide whether this contract shall continue or shall be determined and shall in either case determine the terms and conditions which it shall continue or shall be determined. Provision of arbitration of conciliation Act 1996 or any statutory modification more enactment, there of as rules made there under and for time being enforce shall to be the arbitration proceedings under this clause.

The following clauses are to be deemed included in these conditions only when plant or machinery is included in the contract.

28. Contract drawings - The Contractor shall submit to the Inspector' for his approval On or before the dates stipulated for this purpose in the specification, copies of all the drawings of the general arrangement of the plant as set out therein and of such details drawings as may be reasonably necessary.

Within fourteen days from the receipt by him of such copies the Inspector shall signify his approval or otherwise the same and if he does not to do so he shall be deemed to have approved thereof.

Within fourteen days from the notification by the Inspector to the Contractor of his approval of such copies or in the absence of such notification within thirty days from the receipt by him of such copies two copies in ink on tracing cloth or ferrogalic prints mounted on cloth of all the drawings as approved shall be supplied to the Inspector by the Contractor respectively and shall thereupon be signed by the Contractor and become the property of the C.E.O.

Such signed copies of the drawing shall not be departed from in any way whatsoever except with the written permission of the inspector. During the execution of the work one of the signed copies shall always be kept available for reference on the site.

In the event of the Contractor desiring to keep in his own possession a signed copy of the drawings as approved he shall, supply three copies instead of two and in this case the inspector shall sign the third copy and return the same to the Contractor.

29. Manner of execution, quality of materials, etc.- The plant shall be manufactured, constructed, provided, put in position and maintained in the best and most substantial and workmanlike manner and with materials of the best and most approved qualities having regard to their respective uses.

30. Test on site-*In all cases where the special conditions provide for tests on the site whether of plant materials or workmanship the C.E.O. except where otherwise specially stipulated shall provide free of charge such labour, materials, fuel, stores, apparatus and instruments as may be requisite from time to time efficiently to carry out such tests in accordance with the conditions.*

Where electrical energy is required for test on site and a supply is available on the site from an existing installation, such electrical energy shall be supplied to the Contractor by the Government free of charge at the pressure and frequency or the ordinary supply. If no such supply is available the electrical energy necessary for such test shall be provided by the Contractor.

31. Delivery of plant and materials- No plant or materials shall be tendered for delivery until an intimation in writing shall, have been given to the contractor by the Inspector that Governor is ready to take delivery.

32. Test on completion- On the completion of the works on the site in accordance with the contract, the Contractor shall give the inspector notice in writing of such complaint The Inspector shall after receipt of such notice by notice writing under his hand fix a date an hour on that date for the making of the test of site, if any such are provided for by the Contractor.

The Contractor shall carry out such tests upon the date and at the hours so fixed and if the Engineer or his authorized representative shall attend on that date, at that hour such tests shall be carried out in the presence of the Inspector or such representative.

If the Inspector or his said representative shall fail to be present at the said tests the Contractor shall be entitled to make the same in his absence and the result of the tests so, made shall be binding upon the C.E.O.

If any portion of the plant fails under the tests to satisfy to the contract conditions similar tests according to the contract of the portion so failing shall, if required by the Inspector or by the Contractor, be repeated within a time to be fixed by the Inspector and the provisions of this clause shall apply to such repeated tests as if they were the original tests & the contractor shall pay to the C.E.O. all reasonable expenses to which he may be put by such tests.

If the test or any repeated test so required as aforesaid be not made by the Contractor on the date fixed as aforesaid for the same by the Inspector the Inspector may proceed to make such tests himself at the Contractor's risk and expense.

If on any test under this clause the plant test shall fail to satisfy the contract conditions, the C.E.O. shall as from the date stipulated by the contract for completion nevertheless have the right of using such plant until the same shall satisfy such conditions and such use shall be at the Contractor's risk.

In the event of the questions whether the works have been completed in accordance with the contract or any question regarding such completion being referred to the C.E.O. or submitted to arbitration and 'herein before provided, the C.E.D. may, pending such reference to arbitration, use any portion of the plant which the Inspector may certify to be capable of being used on conditions of paying to the Contractor a sum calculated (according to the period of the use) at the rate of 5 per *cent* per annum upon the amount withheld or deducted in respect of such plant.

33. Rejection of defective work- If the work or any portion thereof shall not in the opinion of the Inspector on the stipulated *test* (if any) being made in accordance with the contract certify the contract condition with the three months after the. dates stipulated for completion, the Inspector may give notice in writing to the Contractor setting forth particulars of the defects or particulars in respect of which the works in his opinion fail to comply with the contract conditions and requiring the Contractor to make good, alter or replace the same within such time to be specified in the notice as the Inspector may consider reasonable and the Contractor shall make good, alter or replace the same as required by such notice and so as to make it comply with the requirements of the contract conditions within the time so specified. Should he fails to do so within that time, the C.E.D. may good, alter or replace the same as to required and the *cost* of such making good, alteration or replacement (less in the case of any replacement any sum which would have become due to the Contractor under the contract in respect of the works replaced and which shall not have been paid to him) shall be paid by the Contractor to the C.E.O. on demand or should the C.E.O. not made good, alter or replace any defective works in respect of which such notice as aforesaid shall be given within six, months from the date of the giving of such notice the Contractor shall repay to the C.E.O. all sums (if any) paid by him to the Contractor in respect of such works. Nothing in this clause contained shall prejudice or effect the rights, of the Q.E.D. under the contracts whether -in the way enforcement of penalties or otherwise in respect of any delay in the completion of the works.

34. Use of plant or work pending making good- If at the expiration of the time specified for making good, altering or replacing the plant or works in any notice given by Inspector to the Contractor under the last preceding clause, the Contractor shall not have duly made good, altered or replaced the same in accordance with the contract, the C.E.D. shall be at liberty if he thinks fit to make use of the same for such time as shall be reasonable sufficient according to the circumstances to enable him to make good, alter or replace the same (whichever he may see fit to do).

35. The Contractor shall not employ and labourer under 12 years of age and shall not within the limits of any cantonment employ and female labourer. In case of any breach of conditions the Inspector may deduct from any sums which may be due or may at any time hereafter become due to the Contractor or from his security deposit or from the proceeds of sale thereof, a sum of not more than Rs. 5 by way of liquidated damages for each breach.

36. The contractor shall pay his labourers not less than the Wages paid for similar work in the neighborhood.

37. All disputes arising out of this agreement shall be subject to the jurisdiction of civil court at Gautam Budh Nagar and Allahabad High Court.

(Contractor)
V.PCS.-27.1.79 1,000(3)

(Officer Inviting Tender)
NOIDA

MODEL
DETAILED SPECIFICATION FOR ELECTRICAL WORKS
IN BUILDINGS

**As agreed to at the Third Conference of Electrical Engineers and Electric
Inspectors to Government, 1918**

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Annexure-III - Table of Conventional Symbols

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Note - The General Conditions of Contractor for Electrical Works are separately printed and may be obtained from the Superintendent. Printing and Stationery, Allahabad, in which the Governor (of Uttar Pradesh) and Inspector be read as C.E.O. and **Senior Manager -E&M (Div-I)** NOIDA respectively.

NEW OKHLA INDUSTRIAL DEVELOPMENT AUTHORITY

DETAILED SPECIFICATION FOR ELECTRICAL WORKS IN BUILDINGS

Subject to the General and Special Conditions of Contract in Force
(Separately Printed), See Note on Cover
A – GENERAL

1. *Wiring regulations of the I.E.E.* - The installation generally shall be carried out in conformity with the latest edition of the Wiring Regulations of the Institution of Electrical Engineers (London) hereinafter referred to as the "I.E.E. Regulations" but where this Specification or the attached Special Conditions of Contract differ from those rules, the Specification and Special Conditions shall be followed.

2. *Definitions and conventional symbols* - The definitions of terms in the I.E.E. Regulations, 9th Edition nos. 6 to 43 and 53 to 55 (reprinted in Annexure 1) shall apply, except no. 27. A 'point' shall consist of the branch wiring from the branch distribution board, together with a switch if required as far as end including the ceiling rose or wall plug etc. The attached list of conventional signs & symbols shall be used in all drawings, writing plans, etc. (Annexure II)

3. *Pressure and frequency of supply*- All current-consuming devices, shall be suitable for the pressure and frequency of supply stated in the Special Conditions of Contract.

4. *System of wiring*- (a) The wiring shall be carried out on such system as may be specified in the Special Conditions of Contract, and, unless otherwise specified in the Special Conditions of Contract, "power" wiring will be kept separate and distinct from lighting wiring. The wiring must be done on the distribution system, with main and branch distribution boards at convenient centres and without isolated fuses. All conductors shall be run, as far as possible, along the walls and ceiling, so as to be easily accessible and capable of being thoroughly inspected. The balancing of circuits in 3-wire or 3-phase installation shall be arranged beforehand by the Inspector. Circuits on opposite sides of a 3-wire system or on different phases of a 3-phase system should be kept, as far as possible, apart, where bringing them into the same room is unavoidable.

(b) Within one month of the taking over of the installation the Contractor shall supply to the Inspector a complete set of wiring diagrams of the same on drawings to be supplied, when available, by the Inspector, and to the satisfaction of the Inspector, and these wiring plans shall be deemed to be "drawings" within the meaning of the term as used in the General Conditions of Contract. (See *Special Condition of Contract*)

5. *Conductors*- All conductors to be of copper in accordance with the resolutions of the Engineering Standards Committee as set forth in the I.E.E. Regulations, 9th edition, nos. 70 to 73, *vide* Annexure 1.

6. *Cable*- (a) All cables other than flexible cables, unless the contrary is expressly stated in the Special Conditions of Contract, shall be "Association cables" of the British Cable Makers' Association and each coil must be accompanied by the makers test certificate to that effect, stating the "class" and giving the results of insulation test. The dielectric to be vulcanized rubber of I.E.E. grade (I.E.E. Regulation 84 in Annexure I) unless otherwise specified in the Special Conditions of Contract.

(b) Twin flexible cable shall comply with the I.E.E. Regulations, 9th Edition, no. 81 *vide* Annexure I.

(c) All taped cables shall have the maker's name or other names of identifications printed on the tape.

7. *Fall of potential*- The cross-sectional area of all conductors inside buildings shall be so proportioned to their length that the drop in pressure between the main fuses and the furthest or any lamp shall not exceed 2 per cent with all the consuming devices in use.

8. *Rating of lamps and fans*- In estimating the current to be carried by any conductors, glow lamps are to be rated as of 4 and 1.5 watts per candle-power for carbon and metallic filament lamps, respectively, except in the case of gas filled lamps. Ceiling fans are to be rated at 1 *DO.* watts, table fans at 60. watts, unless, actual values are known and specified.

9. *Tests*- The Installation with fittings complete shall, before current is switched on satisfactorily, pass the following test:

The whole of the lamps and appliances having been connected to the conductors, and all switches and fuses being "on", a pressure not less than twice the intended working pressure (subject to a limit of 50.0. volts) shall be applied and the insulation resistance of the whole or any part of the installation to earth must not be less in megohms than 25 divided by the number of points, as defined above. With all lamps and appliances removed from the circuits a similar test between poles may be demanded: Provided that during the rainy season, or in new buildings at any season half the above test value will be accepted. Where any appliance referred to is a motor larger than one-half B.H.P. the installation resistance of that particular circuit must be greater than 1 megohm,

10. *Joints and lopping back*- Unless with the sanction of the Inspector all joints in conductors shall be made by means of approved mechanical connectors in suitable and approved joint boxes: but "lopping back" is preferable.

11. *Switches*- (a) All switches (other than those of ironclad pattern) shall be fitted for back connections.

(b) All switches and circuit breakers shall be constructed in accordance with I.E.E Regulations, 9th Edition, no. 67, vide Annexure 1; provided also that springs shall be either of phosphor bronze or, if of steel, shall be copper or nickel plated: and that handles shall be so fastened that they do not tend to unscrew and become loose. (See also clause 16).

12. *Control at point of entry of supply*- There shall be one main switch and one main fuse on each pole of each main circuit (other than the neutral conductor of a 3-wire circuit) at the point of entry of the supply. The switches must be linked, unless otherwise specified in the Special Conditions of Contract.

13. *Distribution boards*- (1) Main distribution board shall be of marble or slate, or iron skeleton frames for ironclad switchgear and shall be provided with a switch and fuse on each pole of each circuit.

(2) Branch distribution boards shall be provided with one fuse on each pole of each circuit. One space circuit of the same carrying capacity shall be provided on each branch distribution board. No final fan sub-circuit radiating from a branch board shall carry more than four fans. Incandescent lighting sub-circuits shall comply with the limits specified in I.E.E. Regulations, 9th Edition, no. 95, vide Annexure 1.

(3) Switches and fuses of opposite polarity shall be mounted on separate bases and the holes for the fixing bolts of these bases shall be bushed.

(4) In wiring a branch distribution board the total number of lamps shall be divided as far as possible, evenly between the numbers of ways of the board. The spare circuit shall be left for future extensions.

(5) In the construction and fixing of main and branch distribution boards the following requirement shall be fulfilled:

(a) A bracket carrying on 8-candle power lamp shall be fixed over each main board and connected through an independent single pole switch and fuse to the bus bars of the board controlling the lighting circuit. It required by the Special Conditions of Contract a pilot lamp shall be similarly fixed over each branch board.

(b) Connection shall be arranged, as far as possible, to form their own diagram.

(c) Connections of all circuits carrying more than 10 amperes shall be made by means of cable sockets.

(d) All fuses shall be of an approved type and each circuit shall be clearly numbered. From left to right in conspicuous figures to correspond with the wiring plans.

(e) All boards (other than those of "ironclad" pattern) shall have strongly made, well finished and approved teak cases with dovetailed corners and shall be painted, varnished, or polished, as directed by the Inspector, and shall be marked with conspicuous letter on labels to correspond with the wiring plans. [(Clause 4 (b))]

(f) Except in the case of "ironclad" boards, cases shall have hinged or sliding plate-glass doors with glass not less than 1/8th inch in thickness, and doors must be capable of being shut when any switch is either "on" or "off".

(g) When so required by the Special Conditions of Contract the attachment of case of branch and small main distribution boards to walls shall be so arranged as to enable the board to be swung

from the walls, to allow examination of the back of the panels. Ample room shall be provided behind the board for the neat arrangement of the wires.

(h) Cases for use with conduit or cleated wiring shall be provided with suitable inlets and outlets.

14. Passing through walls- (1) Except as laid down in clause 62, where conductors pass through walls, the following method shall be used:

Conductor shall be carried in an approved heavy gauge solid drawn or lapwelded insulated conduit, the mouth to be bushed with a snap headed bush and when the system of wiring is in casing the conduit shall be neatly entered into the casing by means of conduit to casing adaptor. Where casing is lead up to a wall tube which passes to the outside of a building, the casing must not be entered by the wall tube, must be clear of it, the mains bleeding from the wall tube shall enter the casing by a junction box with mechanical connectors.

(2) Where a wall tube passes outside a building so as to be exposed to the weather, the outer end shall be bell-mouthed and turned downwards.

15. Plugging walls- Plugs for ordinary walls or ceilings shall be of well-seasoned teak or other approved hard wood not less than 2 inches long by an inch square on the inner end and 3/4 inch square on the outer end, except for use with metal sheathed wiring. (See clause 55). They shall be cemented into the walls to within 1/4 inch of the surface, the remainder being finished according to the nature of the surface used, with plaster or lime, punning; and to give the cement a hold on the plug, there must be on each of two opposite sides two counterbores not less than 1/2 inch diameter by 1/8 inch deep"; Unless otherwise similarly specified, iron screws may be used for attaching casing to the plugs. Where owing to irregular coursing or other reasons the plugging of the walls or ceiling presents difficulties, the casing, conduit or cleats (as the case may be) shall be attached to the wall or ceiling in a manner approved by the Engineer.

16. Branch switches (See also clause 11)- In installation supplied from a 3-wire system all branch switches shall be placed on the "outer". Switches (other than those for multiple control) controlling not more than 10 amperes shall be of the tumbler type, and the switch shall be "on" whert the handle or knob is down.

17. Ceiling roses & sockets- Ceiling roses & sockets shall not contain fuse terminals.

18. Fittings- Where conductors require to be threaded through tubes or channels formed in the metal-work of fittings, these must be free from sharp angles or projecting edges and of such a size as well enable them to be wired with the conductors used for the final sub-circuits without removing the braiding or taping. As far as possible all tubes or channels should be of sufficient size to permit of "looping back". Where, with the approval of the Inspector, 'electrolier wire' is used for wiring fittings the sub-circuit leads must terminate in a ceiling rose or connector from which this will be carried into the fitting. Flexible wire must not be used for wiring fittings, except portable fittings. All fittings must have not less than a 1/2 inch male nipple.

19. Lamp- holders- Lamp- holders for use on brackets, etc, shall have not less than a 1/2 inch female nipple, and all those for use with flexible pendants shall be provided with cord grips. All lamp-holders shall be provided with shade-carriers. All cases must be solid and substantial thin cased export type not being admissible. Edison screw-holders will not be accepted for lamps below 100 watts.

20. External and road lamps- External and road lamps shall have weather proof fittings of approved design so as effectively to prevent the admission .of moisture. An insulating distance piece of moisture proof material must be inserted between the lamp- holder nipple and that of the fitting. Flexible cord conductors and cord-grip lamp -holders must not be used where exposed to the weather. In verandahs and similar exposed situations road pendants shall be used.

21. Lamps-All glow lamps, unless otherwise specified in the Special Conditions of Contract, shall be hung at a height of 8 feet above the floor level and be separately switched.

22. Fans and Regulators-

(1)

- a. All ceiling fans shall be wired to a ceiling-rose and suspended from a hook or shackle, and insulated from the same. All joints in the suspending rod shall be screwed and all

joints or bolts in connection there with, shall be additionally secured by means of split pins.

- b. The canopy at the top of the suspension rod shall effectually hide the suspension.
- c. The leading in wires shall be not smaller than 3.029 S.W.G. and shall be protected from being cut.
- d. All fans shall be free from sparking, noise, oil- throwing and excessive heating.

(2) Unless otherwise stated in the Special Conditions of Contract –

- a. All fans shall be hung 9 feet above the floor.
- b. All fans shall be capable of running continuously at full speed for one month without additional oiling.
- c. Each fan shall have a regulator, which shall have a cover and an "of" position, and shall be so designed as to be capable of reducing the normal speed of the fan by not less than 60 per cent with all resistance in circuit. The regulator shall be capable of continuous use on any contract without burning or overheating.

23. *Attachment of fittings and accessories-*(a) In other than conduit wiring all ceiling roses, wall-sockets, switches, regulators, brackets, pendants, and accessories attached to walls or ceiling shall be mounted on substantial teak wood blocks twice varnished after all fixing holes are made in them. Brass screws only are to be used for attaching fittings and accessories to their base blocks.

(b) Unless otherwise specified in the Special Conditions of Contract, all attachment blocks shall be spaced from the wall of ceiling by means of moisture-proof distance pieces not less than, $1/8$ th of an inch thick. The blocks must consist of a hollow base and a back cover, to protect the wires from the action of lime plaster of walls.

24. *Interchangeability-* Similar parts of all switches, lamp-holders, distributing boards, ceiling-roses, brackets, pendants, fans, and all other fittings of the same type shall be interchangeable.

B-CONDUIT SYSTEM

25. *Conduit to be continuous-* Conduit shall be heavy gauge solid drawn or lapwelded of approved pattern and manufacture, and in accordance with the specification of the British Engineering Standards Committee. It shall be supplied with or without an insulating lining as may be specified in the Special Conditions of Contracts. The conduit shall be electrically continuous from distribution board to outlet boxes for fittings switches and other appliances. No conduit less than six-tenths inch in diameter, measured inside the metal tube or insulating lining shall be used.

26. *Bunching of wires-* The wires of a circuit may be bunched together in a conduit, and if the supply is alternating current, they shall be bunched.

27. *Junctions in conduit-* The lengths of conduit shall be joined by means of screwed sockets. Threads shall be free from grease or oil and no material of this nature shall be allowed to come in contact with the conductors. *The greatest care shall be taken in preparing the conduit that no sharp edges of burrs are left which may damage the insulation.* The Inspector with a view to ensuring that the above provision has been carried out may require (if he should consider it necessary), that the separate lengths of conduit, etc., after they have been prepared, shall be submitted for inspection before being fixed.

28. *Precaution against insects and damp-* In order to minimize condensation or sweating inside the conduit, all outlets of conduit systems shall be properly drained and ventilated but in such a manner as to prevent the entry of insects.

29. *Insulating lining of tubes-* Where insulated conduit is to be used, the lining shall be firmly secured to the tube and shall not be less than one-sixteenth inch in thickness. The insulating material must not be softened injuriously at any temperature below 212 Fahrenheit and must be composed of such material as will not have a deteriorating effect on the dielectric of the conductor, it must be sufficiently tough tenacious to withstand the abrasion test of drawing in and out long lengths of conductor from a length of tube. All bends and fittings shall be made so that neither the conduit nor the lining of the same will; be injured when drawing in wires.

30. *Protection of conduit against rust*-The outer surfaces of conduits, including jail bends, unions, tees, junction boxes, etc. forming part of the conduit system shall be protected from rust by being galvanized or enameled, or by two coats of iron oxide paint, applied before they are fixed. If so required by Inspector, all conduits shall be painted after fixing in such manner as may be directed.

31. *Fixing of conduit*- The conduit shall be fixed to the surface of walls secured to plugs, arranged as in clause 1, by saddles and round-headed screws. No conduit shall be buried beneath the surface of masonry, unless so specified in the Special Conditions of Contract or approved by the Inspector.

32. *Bends in conduit*- The conduit shall be brought round angles of walls by means of bends or inspection elbows as may be directed. Angles on the face of the wall shall be arranged for by means of cast-iron inspection boxes, with suitable inlet and outlet sockets and screwed joints. Each box shall be provided with a cover, properly secured, by means of which access to the conductor may be obtained. The radius on the inner side of any bends shall not be less than 3 inches and no length of conduit shall have more than the equivalent of four quarter bends from outlet to outlet, the bends at the outlets 'not being counted.

33. *Outlets*- All outlets for fittings, switches, etc., shall be equipped with an approved draw box.

34. *Conductors*- All conductors used in conduit wiring shall be stranded.

35. *Erection and earthing of conduit*- The whole metal system of the conduit shall be electrically continuous throughout and shall be permanently and efficiently connected to earth in general conformity with the method laid down in clause 65; gas or water pipes must not be used to obtain an earth connection. Not less than the equivalent (solid or stranded) of one no. 6 S. W.G. copper wire shall be used for making an earth connection.. In a conduit system the pipe must be continuous when passing through walls or floors and no other form of insulating or protecting tube is required.

C-CLEATED WIRING SYSTEM

36. *Accessibility*- All cleated wiring shall be run as far as practicable so as to be visible *and* accessible.

37. *Cleat*- All cleats shall be of porcelain of approved design and must consist of two parts, a base piece and a cap. A special pattern of cleat should be used, if necessary, where conductors pass round corners, so that there may be no risk of the conductors touching the walls owing to sagging or stretching. Cleats shall be fixed at distances not greater than 3 feet apart and at regular intervals. There must be no apparent sag on the conductors.

38. *Fixing of-cleats*- (1) In ordinary cases, cleats be attached to plugs arranged as provided for in clause 15.

(2) Where practicable the same method shall be adopted in the case of stone walls, but when, owing to irregular coursing or other reasons: it is impracticable to fix the cleats in a regular and workmanlike manner, a wood batten shall be provided and fixed with not less than one plug per 4 feet run. The batten shall be of teak or other suitable hard wood, 3/4 inch thick, and then wider than the cleat used; it shall be chamfered on the edges wrought all over and varnished with two coats of varnish (prepared as specified in clause 34) or painted as may be ordered by the Inspector.

(3) Where reasons exist which prevent the use of either plugs or battens, cleats must be attached, to the wall or ceiling in a manner approved by the Inspector.

39. *Distance apart of wires*- (a) For pressures up to 250 volts cleats shall be of. Such dimensions that, in the case of branch leads, conductors shall not be less than 1 inch apart, centre to centre; in the case of sub-mains, not less than 1 1/2 inch apart, centre to centre; in the case of mains, not less than 2-3/8 Inches apart, centre to centre: Provided that this sub-clause shall not apply to twin conductors used with the approval of the Inspector.

(b) Where the pressure exceeds 250 volts cleated wiring shall only be used under such conditions as may be laid down by the Inspector in the Special Conditions of Contract.

40. *Crossing of Conductors*- Where cleated conductors cross each other they may be either looped over to maintain the prescribed distance or fixed to an insulating bridging piece, which will rigidly maintain a separation of at least 1/2 inch between the pies. If the point of crossing be within 10 feet of the ground or floor level, an insulating bridging piece must be used. Provided that this clause shall not be apply to twin conductors used with the approval of the Inspector.

41. *Protection near floors*- No cleat wiring shall be left unprotected within 5 feet of a floor. When brought through the floor it shall be enclosed in conduit in the manner specified in clause.

D-METAL SHEATHED AND T.R.S. WIRING SYSTEMS

42. *Plain or braided wire*- Plain or braided metal-sheathed wiring shall be used according to which is specified in the Special Conditions of Contract.

43. *Attachment to walls and ceilings*- All conductors shall be supported on walls and ceilings at intervals not exceeding 9 inches horizontally and 1 foot vertically, and special clips, fixed by screws or suitable pins to the plugs, shall be used for their attachment. The heads of such screws or pins shall be set level with the surface of the clips, so as not to injure the metal sheathing. The clips shall be of such character as not to lead to corrosion or electrolytic action from contract. Saddles may only be used if specified in the Special Conditions of Contract. No bend shall have a radius of less than 3 inches.

44. *Plugs*-Wooden plug used for metal-sheathed wiring under the above conditions shall not be less than 1 1/2 inches long, and 1 1/4 inch in diameter on the outer end. With the Inspector's permission, Rawl or other special plugs may be used. In other respects clause 15 shall apply.

45. *Wiring on rolled- steel joists*- Where wiring is to be carried along the face or rolled steel joists a wooden backing shall first be laid on the joists and clipped to it as inconspicuously as possible. The wiring shall be fixed to this backing in the ordinary way.

46. *Spacing off walls*- Unless otherwise stated in the Special Conditions of Contract all metal-sheathed wiring run on plastered walls shall be spaced 1/8 inch off the plaster.

47. *Joints*- Joints shall be made by means of connectors of porcelain or other approved material, enclosed in joint boxes approved the Inspector. The joint boxes shall be so constructed as to prevent insects entering them, and to allow of the white washing of the walls without water having access to the connectors. All wires shall be bonded through or across these boxes. Bonding connections shall be so arranged as not to come in contact with plaster.

48. *Stripping of insulation*- (a) When V. I. R. insulation has to be stripped for joints, etc. the metal-sheathing must be nicked only, not cut, and the insulation between the metal- sheath and the conductor shall be of rubber only. All tape shall be stripped off.

(b) Where paper insulated, metal-sheathed cable is used all openings in the same shall be efficiently sealed.

49. *Protection of wiring* - (1) When so required by the Special Conditions of Contract, metal-sheathed wiring must be covered with a sheet metal protective covering to protect it from damage, and the base of the protective covering shall be fixed with the plaster or brick-wood, as the case may be.

(2) Such protective covering shall in all cases be fitted on all down drops within such distance from the floor as may be specified in the Special Conditions of Contract.

50. *Passing through floors*- All wires taken through floors shall be enclosed in an insulated heavy gauge steel conduit, extending 6 inches above the floor and flush with the ceiling below, or protected in such other manner as the Inspector shall approve. The ends of all conduits of pips shall be neatly bushed with porcelain, wood or other approved material.

51. *Passing through walls*- The method to be adopted shall be either that laid down in • clause 14(1) or shall be similar to that in clause 61, the conduit to extend 1 inch beyond the wall on either side of the wire is taken through the wall straight and to be flush with the wall if the course of the wire is at right angles to the wall.

52. *Buried Wides* – Metal sheathed wire shall in on case be buried directly in plaster,

53. *Metal- sheathing to be bonded and earthed-* All metal-sheathing shall be bonded throughout the whole of its length and efficiently connected with earth and shall pass the test specified in clause 67. The earthing shall extend to the metal frames of all main and branch switch and distribution boards. •

54. *Earth wire and plates* - (1) The earthing wire and the connection with earth shall be of the same metal, whether iron or copper, and shall be so constructed and laid as to avoid the formation of any electrolytic couple.

(2) The size of the earthing wires shall be not less than no. 8 S. W. G. or equivalent standard cable. "

(3) All earthing wires shall be protected in the manner laid down in the Special Conditions of Contract.

(4) The connection with earth shall have total contact area not less than is specified in the Special Conditions of Contract. It shall be buried to a depth of not less than 6 feet below ground and shall not be less than 6 feet from any building.

55. *Painting-* All metal-sheathed wiring or the protective covering of the same when fitted shall be neatly painted, after erection, with two coats of zinc paint, to the satisfaction of the Inspector.

56. *Testing-* Every circuit of metal-sheathing shall be tested to earth by the contractor with a pressure not exceeding 4 volts, which shall ring a bell requiring not less than half an ampere to actuate it. Alternatively a low reading ammeter may be used.

ANNEXURE-I
ABSTRACT OF THE WIRING REGULATIONS OF THE INSTITUTION OF
ELECTRICAL, ENGINEERS REFERRED TO IN THE SPECIFICATION

DEFINITION

6 Systems of internal wiring - The regulations cover a wide range of different systems of internal wiring some of which are more suitable than others for a given set of conditions, but no one system is most suitable for all conditions. Safety from shock or fire is obtainable by anyone of the systems dealt with by the regulations, provided that such system is selected according to working pressure, atmospheric conditions, class of building, and size of installation. For convenience in referring to the regulations particularly applicable the various systems dealt with are divided into classes (See Regulations 86, 87 and 88).

DEFINITION

NOTE-The following definitions indicate the sense in which the expressions are used in these Regulations.

7. *Consumer's terminals* - The expression "consumer's terminals" means the end of the electric conductors situate upon any consumer's premises and belonging to him, at which the supply of energy delivered from the service lines.

8. *Medium pressure*- The expression "medium pressure" means a pressure between conductors normally exceeding 250 volts but not exceeding 650 volts at the point at which the , supply is delivered.

9. *Low pressure*- The expression "low pressure" means a pressure between conductors normally exceeding 30 volts in the case of alternating current and 100 volts in the case of direct current but not exceeding 250 volts in either case at the point at which the supply is delivered.

10. *Extra Low pressure*- The expression "extra low pressure" means a pressure between conductors normally not exceeding 30 volts in the case of alternating current and 100 volts in the case of direct current, at the point at which the supply is delivered.

NOTE - Pressure and Frequencies: The British Standard Frequency for alternating current systems is 50 period per second. Standard pressures will be found in British Standard Specification no. 77

11. *Live (alive)*-An object is said to be "live" when a difference of potential exists between it at earth.

NOTE-All metal connected to the neutral conductor of the supply system even if such neutral be earthed at the source of supply shall be deemed to be alive for the purposes of these Regulations.

12. *Earth*- The expression "earthed" means connected to the general mass of earth in such a manner as will ensure at all times on immediate discharge of electrical energy without danger. .

13. *Earthing lead*- The earthing lead is the conductor connecting the earthing system to the metal-sheathing or apparatus required to be earthed.

14. *Uninstalled conductor*- An uninstalled conductor is one in which no provision is made for its insulation from earth.

15. *Bare conductor*- A bare conductor is one not covered with insulating material.

16. *Dielectric*- The term "dielectric" denotes that portion of a core or cable which is relied upon to insulate the conductor.

17. *Core (or a cable)*- The core of a cable is the conductor with its insulation or dielectric, but does not include the mechanical protective covering. Two, three, or more cores may be laid up together to form a twin three-core or multi-core cable.

18. *Cable*- The term "cable" denotes one or more conductors with insulating covering and with or without protective coverings. .

NOTE-Where the term "cable" is used in these Regulations it shall be "deemed to include a wire.

19. *Flexible cable*- A flexible cable is one in which the conductor (or conductors) exceeds 0.007 square inch in cross-section and comprises a number of wires, the diameter of the wires and the material of the dielectric being such as to ensure flexibility.

20. *Flexible cord*- A flexible cord is a flexible cable of cross-section not exceeding 0.007 square inch.

21. *Armoured cable*- An armoured cable is one provided with a protective metallic covering of wires or tapes, usually of iron or steel.

22. *Double insulation*- A conductor is said to have double insulation when it is provided with insulating material between the conductor and its surrounding envelope or immediate support as well as between this and earth.

23. *Bunched cable*-Cables are said to be bunched when more than one is contained within a single duct or groove, or when unenclosed cables are not separated from each other.

24. *Fitting*- A fitting is any appliance for supporting or containing a lamp together with its holder and shade or reflector for example, a bracket, pendant, and ceiling rose, electrolier or portable standard.

25. *Accessory*- An accessory is any appliance other than a fitting, associated with the wiring fittings and consuming devices, for example a small switch, cut-out, plug, socket or similar device.

26. *Domestic appliance*- A domestic appliance is a current -consuming device, other than an electric lamp, which is normally installed in a dwelling house and in which electrical energy is converted into heat or drives a small electric motor forming an integral part of the devices.

27. *Point*- A point is the termination of the wiring for attachment to a fitting for one or more lamps or to other consuming devices.

28. *Weather Proof*- fittings, accessories, and consuming devices are said to be weather proof if they are so constructed that, when installed, rain, snow and splashing are excluded.

29. *Switchgear*- The term "switchgear" denotes apparatus for controlling the distribution of electrical energy, or for controlling or protecting electrical circuits, machines, transformers, or other apparatus.

30. *Switchboard*- The term "Switchboard" denotes an assemblage of switchgear with or without instruments, but does not apply to a group of local switches on a final sub- circuit (See Regulation 41), where each switch has its own insulating base and protective covering.

NOTE -In the Home Office Regulations for Factories and Workshops the terms "Switchboard" includes "Distribution Board".

31. *Single-pole switch*- A Single-pole switch is a switch suitable for making or breaking a circuit on one pole (or phase) only.

32. *Double-pole switch*-A double-pole switch is a switch suitable for making or breaking simultaneously, or for making or breaking three separate circuits simultaneously.

33. *Triple-pole switch*- A triple-pole switch is a switch suitable for making or breaking a circuit on three poles (or phases) simultaneously, or for making or breaking three separate circuits simultaneously.

34. *Four-pole switch*-A four-pole switch is a switch suitable for making or breaking a circuit on four poles (or phases) simultaneously, or for making or breaking three separate circuit simultaneously.

35. *Linked switches*- Linked switches are switches linked together mechanically so as to operate simultaneously or in definite sequence.

36. *Fusible cut-out* (abbreviation "cut out")- A fusible cut-out comprises all the separate parts e.g. fuse, fuse carrier, fuse contacts, fuse extension and circuit contacts which, together with their mountings and base, form the complete protecting device.
37. *Fuse*-A fuse is the actual wire or strip of metal in a cut-out the function of which is to be fused by an excessive current.
38. *Circuit breaker*- A circuit breaker is a switch for opening automatically unless otherwise specified a circuit under abnormal condition such as those of overload.
39. *Fuse switch*- A fuse switch is a switch the moving part of which carries one or 1 more fuses.

NOTE- In every case in which a separate fuse and switch are separate fuse and linked switches are required by these Regulations, they may be replaced by a fuse switch or linked fuse switches, as the case may be.

40. *Section or distribution board*-A section or distribution board is an accessory comprising fusible cut-outs with or without switches and arranged for the distribution to, and protection and control of, branch circuits fed from a main circuit.
41. *Sub-circuit*- A sub-circuit is branch circuit connected to a distribution board fed from a main circuit and may either feed a further distribution board or be a final sub- circuit. A final sub-circuit is a sub-circuit which does not feed a distribute on board and to which lamps and or other current consuming devices are connected.
42. *System of wiring (distribution)*- A *Two wire*-A two-wire system of wiring is one comprising two conductors between which the load may be connected, the wiring being effected by either of the following methods.
- (a) *Two conductors, insulated*-Conductors insulated throughout are provided for all connections to both poles of the supply the conductors being separate, twin or concentric.
- (b) *Two conductors, earthed*-Conductors are provided throughout for all connections to both poles of the supply; those connected' to one pole being insulated throughout and those connected to the other being uninstalled through and efficiently earthed. The uninstalled conductor, known as the "external" conductor, completely surrounds the whole length of the other known as the "internal" conductor.

NOTE- Except with the consent of the Electricity Commissioners no conductor directly connected to the public supply system may be earthed.

- C- *three wire*- A three-wire system of wiring is one comprising three conductors, one of which known as the "neutral" or "middle" is maintained at a potential midway between the potentials of the other two referred to as the "outer" conductors. Part of the load may be connected directly between the outer conductors, and the remainder divided as evenly as possible into two parts connected respectively between the middle and each outer conductor.
- D- *Two-phase' three-wire*- A two-phase three-wire system of wiring is one comprising three conductors, between one of which known as the "common return" and the other two' are maintained respectively alternating differences of potential displaced in phase by one- quarter of a period.
- E-*Three-phase three-wire*- A three-phase three-wire system of wiring is one comprising three conductors between successive pairs of which are maintained alternating differences of potential successively displaced in phase by one-third of period.
- F- *Two-phase four wire*- A two-phase four-wire system of wiring is one comprising four conductors divided into two pairs which have maintained between their conductors alternating differences of potential displaced in phase by one-quarter of a period.
- G- *Three-phase four-wire*- A three-phase four-wire system of wiring is one comprising four conductors, three of which are connected as in a three-phase three-wire system, the fourth being connected to the natural point of the supply.

43. *Balanced*-A three-wire system of generation or supply is said to be balanced when;

- A- In the case of direct current or single phase alternating current systems of generation or supply, the loads connected between the "middle" and each of the outer conductors are equal.
- B- In the case of a three-phase system of generation or supply the load carried by any combination of two conductors equal to the load carried by any other combination of two conductors.

NOTE- in the case of three-phase four-wire system of generation or supply, in addition to condition "B" above the loads connected between the middle and each of the outer or "phase" conductors are also equal.

53. *Inflammable*- An inflammable material is one which is capable of being easily ignited.

54. *Non-ignitable*- A non-ignitable material is one which, when heated under certain prescribed conditions neither gives off inflammable vapour nor burns.

NOTE- The conditions referred to in Regulations 54 and 153 are specified in Technical Publications US1 and A/S1 of the British Electrical and Allied Industries Research Association.

55. *Self-extinguishing*- A self-extinguishing material is one which under certain prescribed conditions, does not continue in a state of combustion in air after the removal of the external source of heat.

Switches and Circuit Breakers

67. *Switches and circuit breakers*- Every switch, fuse switch and circuit breaker shall comply with the following requirements:

- A- All parts shall be so proportioned that when the normal working current for which they are designed flows through them continuously their temperature shall not rise above that of the surrounding air more than 36°F. (20° C) in the case of switches rated below 100 amperes and 54° F. (30° C) in the case of switches rated at 100 amperes or above.
- B- Each fuse switch when operating as a switch, and each switch, up to 30 amperes, rated capacity for use on a low pressure, circuit shall be capable of breaking in a non inductive circuit at 275 volts, a direct current 30 per cent greater than the rated capacity all other switches and fuse-switches shall break the circuit without permitting an arc to be maintained when carrying, at a pressure 10 per cent in excess of the pressure of supply, a current 50 per cent greater than their rated capacity. Each fuse-switch when opening the circuit as a fuse, and each circuit breaker, shall comply with Regulation 68 for fusible cut-out.

NOTE- When inductive apparatus is used, special switches may be necessary.

- C- Every circuit opening device shall be so constructed and arranged that when placed in the "off" position it cannot accidentally move sufficiently to close the circuit.
- D- if the current to be interrupted be sufficiently large to cause damage to the main contacts suitable arrangements shall be made for the easy renewal of the parts on which the arc is formed.
- E- The handles and their attachments shall be mechanically strong and shall be so designed and arranged that hands of the operator, when using the switch, cannot accidentally touch live metal or be injured through an arc arising from the switch or the blowing of an adjacent fuse, if the switches are enclosed, their handles shall not operate through unprotected slots.
- F- The bases shall be of durable non-ignitable, non-absorbent, insulating materials and shall comply with the following conditions:
 - (a) Semi-insulating materials such as marble or slate, if used, shall be free from metallic veins, cracks or other defects.
 - (b) The slabs shall be planed all over, and if the slate, treated after drying with a damp proof medium, all holes being similarly treated.

(c) Bolts for securing marble or slate slabs to a metallic framework or case shall be insulated from the slab and the latter from the frame-work or case, by non- hygroscopic insulating bushes and washers.

G- Where switches (whether sunk or otherwise are not fixed on a switchboard, the live parts shall, be enclosed by cases of covers of rigid .metal or non-conducting, non- ignitable material. Where switches are mounted on or sunk into walls built entirely of non- ignitable material the live parts may if desired, by enclosed in cases or covers constructed or English oak, teak or mahogany. In positions in which they are liable to mechanical injury, the covers unless of rigid metal, shall be protected by a suitable guard. Metal cases shall be well clear of live parts and if necessary, protection shall be provided to prevent arcing to the case.

H- All switches fixed in position exposed to the weather, to drip, or to an excessively moist atmosphere, shall be contained in weather-proof cases which shall be provided with cable glands or bushings, or be adapted to receive screwed conduit, according the way in which the cables are fun.

NOTE- Suitable glands are embodied in British Standard Specification no. 94. which or provides for complete interchangeability or parts.

I- In places where petrol-driven conveyances are stored or repaired switches shall be placed not less than 6 feet above the floor level.

K- Every electromagnetic circuit, breaker shall be provided with suitable means of adjustment for determining the current at which it shall open and shall be so arranged that it cannot be held in against this current.

L- Circuit breakers shall be so arranged and placed that no inflammable material is endangered by their coming into action.

Conductors of Cables

70. Material of conductors-

A- All conductors, other than the outer conductors of earthed concentric systems shall be of annealed copper and shall conform in all respect to British Standard Specification no. 7.

B- When the insulating covering of the conductor may contain sulphur each wire shall be efficiently and uniformly coated with tin-free from all impurities.

71. Standard sizes of conductors-

A- *The sizes of conductors set out in Table 1 (Page 100 of the United provinces Public Works Department Detailed specification, Part III Electrical, 2nd Edition) are recognized as standard. This table shows the normal and calculated areas, dimensions- weight, and resistance of each such standard conductor.*

NOTE- Table II (page 101) shows a comparison between the present standard sizes of conductors and Old the Standard S.W.G.

B- The standard sizes and resistance of conductors for flexible cables and flexible cords are set out in Tables III and VII (pages 102 and 106) respectively.

72. Minimum size of conduction- No cable having a conductor of normal sectional area less than 0.0015 square inch (1/004)" shall be used except for wiring fittings for which a conductor having a nominal sectional area not less than 0.001 square inch (1/.036") may, be employed. Where the design of a fitting renders it impossible to use a conductor of the size, a flexible cord having a conductor of nominal sectional area not less than 0.0006 square inch (14/.0076") may be used.

73. Maximum size of single wire- All conductors having nominal sectional area exceeding 0.03 square inch (1/064") shall be standard.

74. Type of flexible cords- Two kinds of insulation for flexible cords are recognized as standard, viz :

(1) High insulation.

(2) Medium insulation.

A- High insulation flexible cords shall be insulated in one of the following two ways and the radial thickness of rubber insulation shall no be less than that specified in column 3 or column 4 of Table VIII (page 107) according to the insulating material used:

- (a) Each conductor, which shall be composed of plain copper wires shall be lapped with cotton and shall have layers of pure rubber overlapped with cotton.
- (b) Each conductor, which shall be composed of copper wires efficiently and uniformly coated with tin-free from all impurities, shall have one layer of pure rubber and two layers of vulcanizing rubber.

B-Medium insulating flexible cords shall be insulated in one of the following two ways and the radial thickness of rubber insulation shall not be less than that specified in" column 5 or column 6 of Table VIII according to the Insulating material used:

- (a) Each conductor, which shall be composed of plain copper wires shall be lapped with cotton and shall have two layers of pure rubber overlapped with cotton.
- (b) Each conductor, which shall be imposed of copper wires efficiently and – uniformly coated with tin-free from all impurities, shall have two layers of vulcanizing rubber.

FLEXIBLE CONDUCTORS

81. Twin flexible cords-

A-Twin twisted flexible cores without further braiding shall be used only for fixed wiring fixed fittings and portable lamp standards; in all other positions, and for all other purposes, flexible cords made up to a circular or oval section and braided over all shall be employed.

NOTE - The use of flexible cords made up to a circular or oval section is recommended for all portable fittings.

B- Medium insulation (kind 2) flexible cords shall be used only between ceiling roses and pendant fittings and for the internal wiring of fittings.

C- The maximum weight carried by a twin twisted flexible cord shall be as follows.

Number and diameter of wire Maximum permissible
Comprising conductor

Weight

14/-076".....	3 lb.
3/-0076"	3 lb.
40/-0076".....	10 lb.

NOTE-Where a weight greater than 10 lb, has to be supported, Regulation 104- D shall apply. .

84. Tests of dielectric of cables-

A- The dielectric of cables, except flexible cords (See clause D below), insulated with vulcanized rubber or impregnated paper shall withstand the pressure test and other tests specified in British Standard Specification no. 7, subsequent to such pressure test and whilst the cable is still immersed in water the insulation resistance at a temperature of 60°F. (15.6°C) after one minute's electrification at a pressure of at least 500 volts, shall not be less than that given in Table IX (page 107)

B- The insulation resistance of each insulated conductor of a multi-core cable, except flexible cords, shall not be less than that given in Trade IX for single conductors the same sectional area, Table 9.

C- The insulation resistance of the dielectric separating the two conductors of a concentric cable shall not be less than that given in Trade IX for single conductors having the same diameter as the inner conductor.

D- The dielectric of multi-core flexible cords, except in the case of high insulation (See Regulation 79) cords with vulcanized rubber, insulation shall withstand for 15 minutes; the alternating pressure and frequency set out in column 3 or Table X (page 108) for the respective kinds of insulation indicated therein, the flexible cord being in a dry state at the time of test and the test being made between conductors. In the case of high insulation cords with vulcanized rubber insulation the flexible cord shall have previously been immersed in water for 24 hours and shall be still so immersed at the time of test and the test shall be taken between each conductor and earth, the conductor of conductors not under pressure *being* earthed. Subsequent to such pressure test, the insulation resistance of flexible cords with vulcanized rubber insulation at a temperature of 60°F. (15.6°C), after one minute's electrification as a pressure of at least 500 volts, shall not be less than that given in Table XI (page 109), this test in the case of the high insulation kind being made whilst the flexible cord is still immersed in water.

NOTE- The above tests are intended to be carried out at the cable manufacturer's works, the pressure being derived from a source having a rated output of not less than 5 kilowatts. Cables and flexible cords which have to be tested when immersed in water can be tested before the protective coverings are applied, but if desired, the pressure test can be made on the finished cable, the protective coverings of such cables however, being thereby damaged.

Size of conduit				1/2 Inch		5/8 Inch		3/4 Inch		1 Inch		1-1/2 Inch		1-1/2 Inch		2 Inch		2-1/2 Inch	
Conductor of cable		Approximate overall Diam of cable		MAXIMUM NUMBER OF CABLE															
Nominal Area Sq. inch	Number & Diameter of wires Inch	250 Volt inch	660 Volt inch	250 V	660 V	250 V	660 V	250 V	660 V	250 V	660 V	250 V	660 V	250 V	660 V	250 V	660 V	250 V	660 V
0.0015	1/.044	.150	.200	2	4	2	6	4	10	9	14	12	-	-	-	-	-	-	-
.002	3/.029	.165	.205	2	-	4	2	6	4	10	9	14	10	-	-	-	-	-	-
.003	3/.036	.180	.230	-	-	3	2	5	4	10	8	14	9	-	-	-	-	-	-
.0045	7/.029	.190	.240	-	-	3	-	5	3	10	6	14	8	-	-	-	-	-	-
.007	7/.036	.220	.280	-	-	2	-	4	2	6	5	10	7	-	8	-	-	-	-
.01	7/.044	.225	.305	-	-	2	-	4	-	6	4	10	6	-	7	-	-	-	-
.0145	7/.052	.290	.330	-	-	-	-	2	-	4	3	8	5	-	6	-	-	-	-
.0225	7/.064	.325	.360	-	-	-	-	-	-	3	22	5	4	6	4	-	8	-	-
.03	19/.044	.65	.395	-	-	-	-	-	-	2	-	4	3	5	3	-	7	8	-
.04	19/.052	.415	.445	-	-	-	-	-	-	-	-	3	2	4	2	-	6	7	-
.06	19/.064	.485	.510	-	-	-	-	-	-	-	-	2	-	3	-	5	5	5	-
.1	19/.083	-	.63	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	4
.15	37/.072	-	.76	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	2

The table shows the maximum capacity for the simultaneous in of cables. The Table to 250 volt and 660 volt grade, cables, conforming in all respects to I.S. No. 434-1953, and the maximum numbers of cables shown in the table apply to all types of conduits, in respective of whether they are light gauge or heavy gauge.

ANNEXURE-II

TABLE OF CONVENTIONAL SYMBOLS

Name of apparatus				Symbol
Battery	...	...	...	+ H H H | + | - - -
Continuous current generator	...	...	...
Continuous current motor	...	...	...
Alternator	...	...	...
Alternating motor	...	...	...
Inductive coil	...	...	...
Non-inductive resistance	...	...	...
Transformer	...	...	...
Incandescent filament lamp	...	...	...
Fan	...	...	...
Fan on clamp between beams	...	...	...
Fan with traveller	...	...	...
Oscillating fan	...	...	...

TABLE OF CONVENTIONAL SYMBOLS (Continued)

Name of apparatus				Symbol
Desk or brack of fan	
Ventilator fan (pressure of exhaust)	
Regulator	
Switch	
Service bracket	
Post for overhead wires	
Meter board	
Main distribution board	
Branch distribution board	
Circuit fuses on boards	
Single pendant light	
Cuunte weight pendant	
Stiff pendant	
Three-light pendant or electrolier	
Multiple pendant or electrolier	

TABLE OF CONVENTIONAL SYMBOLS (Continued)

Name of apparatus				Symbol
Single-bracket light	
Two-light bracket	
Batten lamp-holder	
Water-light fittings	
Water-light brackets	
Single bulkhead fitting	
Double bulkhead fitting	
Two-pin wall socket		
Concentric	
hand lamp	
Table	

SCHEDULE 'C'

The following materials shall be issued at the places noted against each. In case of delay and non-supply of material no claim whatsoever will be entertained on this account except for extension of time.

S. No.	ITEM	UNIT	ISSUE	RATE	RATE IN Rs.	PLACE OF DELIVERY
1.	Nil	-	Nil	-	-	FROM NOIDA STORE.

CONDITIONS: -

1. Any other material if available in NOIDA store can be issued to the contractor for the specified use in construction of this work at stock issue rate or market rate whichever is higher after due permission of the **Senior Manager -(E&M) Div-I**, against cash payment.
2. For non supply, late supply or non availability of above material in to store, the department shall not be held responsible. In the case of excessive delay suitable of time can be given.
3. Contractor should ensure that only required quantities are issued. The surplus quantity of materials if available in good and sound condition can be taken back by the NOIDA in its store. No carriage will be paid to contractor for returning the surplus materials.
4. Calculations for consumption of materials shall be based on CPWD schedule of rates and shall be binding' on the contractor.
5. All receipt given by contractor's authorized agent whose name should be intimated to the B in C in writing shall be conclusive proof of the delivery of materials.
6. (a) The difference in the quantity actually issued and the theoretical quantity within the permissible limit, if not returned by the contractor shall be recovered at the rate of Rs. per bag of cement.
(b) In the event that the quantity of cement actually consumed exceeds or falls below the permissible limit of variation shall be recovered @ Rs. _____ Nil _____ per bag of cement.
7. All incidental charges for loading unloading, cartage, storage, safe custody etc. shall be born by the contractor.
8. For cement storage double lock system will have to be followed by the contractor.
9. The cost of the material issued shall be deducted in one installment from the first running bill to be paid after the issue of material.
10. Cement shall be stored as per specification.

Manager-E&M (Div-I) COMPETENT AUTHORITY

E-TENDER NOTICE

E-Tenders are invited on behalf of Chief Executive Officer, Noida for the following works in Noida, Distt.- Gautam Buddha Nagar. From contractors/firm of registered with Noida Authority, State PWD, CPWD, other govt./public sector undertaking etc. by the undersigned. Earnest money is required in the shape of RTGS in prescribed bank account in favour of Noida only and payable at Noida. The cost of bid documents/E-tender processing fee documents with GST is required in shAp of RTGS in prescribed bank accounts in favour of NOIDA and payable at Noida

The tender shall be on two bid system, where techno-commercial details such as experience certificates, qualification document etc. shall be verified fist. The Tender of contractors who do not qualify the pre-qualification requirements shall be summarily rejected and their price bids shall not be opened. The price bid of contractors who are found eligible in prequalification shall be downloaded through E-Tender procurement solution after filling their details on the E-Tender portal.

As per office order No. Noida/ACEO/2013/CPE/1226 Dt. 02-09-13 contractor has to deposit additional performance Guarantee/Security in shape of FDR/CDR/Bank Guarantee/NSC in case rate quoted below of Bill of Quantity (B.O.Q)@0.5% per one percent upto 10% below rate and @1% per one percent on rate quoted beyond 10% below rate, valid for the complete contract period by the Contractor before entering into contract bond.

Noida Authority can reject any or all tenders without assigning any reason for taking part in E-Procurement Solution the contractors are required to visit the E-Tender link on www.noidaauthorityonline.com.

S. No.	Job No./ Name of work	Estimate cost, Cost of Tender, Earnest Money (Rs. In Lacs)	Date of Release of E-tender in E-Precure-ment Solution	Last date/ time of receipt E-procurement with scan copy of RTGS receipt with transaction ID for cost of bid documents /E-tender processing fee and EMD	Date/ time of Prequalificati on part through E-tender procurement solution	Date/Time of opening of price bid through E-tender procurement solution	Place of opening of E-tender
1.	16/GM(E/M)/SM(E&M)-I/ ET/2026-27 Annual Maintenance and Repairing of 16Mtr. / 30Mtr. High mast in sector-80, 81, 83, 84, 85, 86, 87, 88, 89, 90, 145, 146, 147 and 148, Noida.	Rs. 48,89,342.68/- Rs. 2,124/- (Incl. GST) Rs. 98,800.00				This information shall be displayed on the website after two working days of opening of prequalificati on documents.	Office of Senior Manager (E&M)-I Sector-39 Noida

The Tender document shall be available at the E-tender link on website of Noida Authority at www.noidaauthorityonline.com and at UP Electronics Corporation website <https://etender.up.nic.in> Interested bidders are requested to regularly visit the websites and update themselves with regard to any change or additional information related to the tender.

**Sr. Manager (E&M)-I
Noida**

**Office:-
Senior Manager (E&M)-I Sector-39, Noida.
G.B. Nagar, (U.P.)**

ई-निविदा आमंत्रण सूचना

मुख्य कार्यपालक अधिकारी, नौएडा की ओर से नौएडा जिला गौतमबुद्धनगर के क्षेत्र में निम्न कार्यों के लिए नौएडा, राज्य लोक निर्माण विभाग, केन्द्रीय लोक निर्माण विभाग तथा अन्य शासकीय/सार्वजनिक उपक्रमों में सूचीबद्ध ठेकेदारों से अधोहस्ताक्षरी द्वारा ई-निविदायें आमंत्रित की जाती हैं। आवश्यक धरोहर राशि नौएडा के नाम सम्बन्धित बैंक में आर0टी0जी0एस0 कराकर स्वीकार की जायेगी। निविदा प्रपत्र का मूल्य सम्बन्धित बैंक में आर0टी0जी0एस0 कराकर नौएडा के पक्ष में तथा नौडा द्वारा अधिकृत बैंक अकाउन्ट में जमा किया जायेगा।

निविदायें द्विस्तरीय पद्धति से खोली जायेगी। निविदाकार द्वारा तकनीकी एवं व्यवसायिक जानकारी से सम्बन्धित प्रपत्र में अनुभव, आदि तथा प्री-क्वालिफिकेशन प्रपत्र पहले डाउनलोड किए जायेंगे तथा जिन निविदाकारों की आवश्यक अहर्तायें पूरी नहीं होंगी, उनकी दरें डाउनलोड नहीं की जायेगी। जो निविदाकार प्री-क्वालिफिकेशन में उपयुक्त पाये जायेंगे उनका विवरण ई-टेंडर पोर्टल भरते हुए प्राईस बिड का भाग खोला जायेगा। सक्षम अधिकारी को किसी भी निविदा अथवा समस्त निविदाओं को बिना कारण बताये निरस्त करने का अधिकार सुरक्षित है। E-Procurement Solution में भाग लेने के लिए ठेकेदारों को noidaauthority.com के E-Tender link को विजिट करना होगा।

कार्यालय आदेश संख्या नौएडा/अ0मु0का0अ0/2013 दिनांक 02.09.2013 के अनुपालन में नौएडा प्राधिकरण के कार्यों में संविदाकार द्वारा बिल ऑफ क्वान्टिटी (बी0ओ0क्यू0) पर डाले गये 10 प्रतिशत कम दरों तक 0.5 प्रतिशत प्रति एक प्रतिशत कम दर पर तथा उसके पश्चात 10 प्रतिशत से अधिक कम दरों पर 1.00 प्रतिशत प्रति एक प्रतिशत कम दर पर अतिरिक्त सिक्वोरिटी /परफॉर्मन्स गारन्टी प्राप्त की जायेगी यह परफॉर्मन्स गारन्टी एफ0डी0आर0/सी0डी0आर0/बैंक गारन्टी/एन0एस0सी0 के रूप में संविदाकार द्वारा अनुबंध गठन से पूर्व देनी होगी, जो कार्य की समापन तिथि तक वैध हो।

क्र0 सं0	जॉब सं0/कार्य का नाम	अनुमानित लागत निविदा प्रपत्र का मूल्य/टेण्डर प्रोसेसिंग फीस धरोहर राशि	ई-प्रीक्वोरमेंट सोल्यूशन में ई-निविदा जारी करने की तिथि	ई-प्रीक्वोरमेंट द्वारा निविदा प्राप्ति की अन्तिम तिथि तथा समय, जिसके साथ निविदा प्रपत्र के मूल्य व धरोहर राशि की आर0टी0जी0एस0 रसीद संलग्न करनी है।	ई-प्रीक्वोरमेंट द्वारा ई-निविदा की प्राईस-बिड खोलने की तिथि तथा समय	ई-प्रीक्वोरमेंट द्वारा ई-निविदा की प्राईस-बिड खोलने की तिथि तथा समय	ई-निविदा खोलने का स्थान
1	16 / म0प्र0(वि0/यॉ0)/ व0प्र0(वि0/यॉ0)-।/ई-निविदा / 2026-27 80, 81, 83, 84, 85, 86, 87, 88, 89, 90, 145, 146, 147 एवं 148, में हाई मास्ट लाईट का वार्षिक रखरखाव का कार्य।	Rs. 48,89,342.68/- Rs. 2,124/- (Incl. GST) Rs. 98,800.00					इसकी सूचना वेब साईट पर प्री-क्वालिफिकेशन की तिथि के बाद देखी जा सकती है। कार्यालय वरिष्ठ प्रबन्धक-(वि0/यॉ0)-। सैक्टर-39, नौएडा।

निविदा प्रपत्र प्राधिकरण की वेब साईट www.noidaauthority.com के निविदा लिंक पर तथा उत्तर प्रदेश इलेक्ट्रॉनिक कारपोरेशन की वेबसाईट <https://etender.up.nic.in> पर देखे जा सकते हैं। इच्छुक ठेकेदारों से अनुरोध है कि वे नियमित रूप से उक्त वेब साईटों पर देखते रहें क्योंकि निविदाओं के संबंध में कोई बदलाव अथवा अतिरिक्त सूचना वेबसाईट पर उपलब्ध कराई जायेगी।

वरिष्ठ प्रबन्धक-(वि0/यॉ0)-।
नौएडा

कार्यालय:-
वरिष्ठ प्रबन्धक
वि0/यॉ0-।, सैक्टर-39, नौएडा।

**NEW OKHLA INDUSTRIAL DEVELOPMENT
AUTHORITY**

REQUIREMENTS

for

PREQUALIFICATION OF TENDER

Name of Works: Annual Maintenance and Repairing of
16Mtr. / 30Mtr. High mast in sector-80,
81, 83, 84, 85, 86, 87, 88, 89, 90, 145, 146,
147 and 148, Noida.

JOB No:- 16/GM(E/M)/SM(E/M)-I/E-Tender/2026-27

REQUIREMENTS FOR PREQUALIFICATION OF TENDER

1. The details regarding pre-qualification and tender containing rates are to be uploaded as per up to due date & time in the prescribed format.
2. The rates of only those contractors will be opened and recorded on comparative statement who pre-qualify as per requirements mentioned hereinafter.
3. The Bidder must be accompanied a true copy of 'A' Class approved License issued by the Director Electrical safety to U.P. Government.
4. Proof of solvency: Minimum solvency required is 40% of total estimated cost put to tender (issued within a period of minimum six months).
 - (i) In case individuals, firms and Undivided Hindu Families, proof of solvency of the applicant will consist of a certificate signed by the District Magistrate or Manager of the bank in the form given in Appendix 'A' regarding the cash assets of the applicant.
 - (ii) In case of private limited company the proof of the company solvency will be its last balance sheet audited and certified by the Chartered Accountant or certificate/reference of a Schedule bank.
5. Proof of employment of technical staff will consist of a declaration by the contractor as given below. The declaration by the contractor will be given in the form attached Appendix 'B' (in the presence of Notary Public giving details of the required staff)

GENERAL GUIDELINES FOR FIXING REQUIREMENT OF TECHNICAL STAFF FOR A WORK

Cost of work (Rs. In Lac)	Requirement of Technical staff		Minimum experience (Years)	Designation
	Qualification	Number		
More than 1000	i) Project Manager with degree in corresponding discipline of Engineering (Electrical)	1	10	Principal Technical Representative
	ii) Graduate Engineer (Electrical)	1	5	Technical represents Technical Representative
	iii) Graduate Engineer (Electrical) Or Diploma Engineer (Electrical)	2	Nil	
500 to 1000	i) Graduate Engineer (Electrical)	1	5	Principal Technical Representative
	ii) Graduate Engineer (Electrical) Or Diploma Engineer (Electrical)	2	Nil	Technical represents
		2	5	
200 to 500	i) Graduate Engineer (Electrical)	1	5	Principal Technical Representative Technical represents
	ii) Graduate Engineer (Electrical) Or Diploma Engineer (Electrical)	1	Nil	
		1	5	
50 to 200	Graduate Engineer (Electrical)	1	2	Principal Technical Representative
10 to 50	Graduate Engineer (Electrical) Or Diploma Engineer (Electrical)	1	Nil	Principal Technical Representative
		1	5	
Up to 10 Lacs	(i) Diploma Engineer (Electrical) (Supervisor) (ii) ITI Holder (Wire Man)/Electrician	1 1	As Per A Class Approved Electrical License	Principal Technical Representative

Notes: 1. Rate of Recovery in case of non compliance of above be stipulated at following rates:-

S.No	Qualification	Experience (years)	Rate of recovery
ii)	Graduate Engineer Electrical	5	Rs. 15,000/- p.m.
iii)	Diploma Engineer- Electrical	5	Rs. 10,000/- p.m.
iv)	Wire Man	Nil	Rs. 5,000/- p.m.

6. Proof of previous experience :

(1) Experience of having successfully completed works during the last 7 years ending last day of the month previous to the one in which applications are invited with Govt./Semi Govt./ PSU only :
Three similar completed works costing not less than the amount equal to 40% of estimated cost put to tender

Or

Two similar completed works costing not less than the amount equal to 60% of estimated cost put to tender

Or

One similar completed works of agree gate cost not less than the amount equal to 80% of estimated cost put to tender

(2) Experience of having successfully completed works during the last 7 years ending last day of the month previous to the one in which applications are invited :

7. Latest income tax return certificate.
8. In case of firm, duly certified copy of partnership deed and registration certificate; in case of company, deed for article of association and power of attorney for the person concerned to authorize to sign the tender and agreement.
9. In case of any change in solvency, technical staff, tools and plants or change in partners of the constitution of a company after submission of documents, the same shall be intimated to the Sr. Manager.
10. The decision regarding pre-qualifying the contractor for the above referred will rest with the competent authority of NOIDA whose decision will be final.
11. Average annual financial turnover should be at least 30% of the estimated cost during the immediate LAST 3 consecutive financial years duly certified by the Chartered Accountant.
12. 1% (one percent) cess will be deducted from the bill.
13. यह कि प्राधिकरण द्वारा प्रदत्त निविदा के अर्न्तगत कार्य प्रारम्भ होने के दो मॉह के भीतर संविदाकार द्वारा दायित्व होगा कि वह निर्धारित अवधि में उत्तर प्रदेश भवन एवं अन्य सन्निर्माण कर्मकार कल्याण अधिनियम की धारा 7 के अर्न्तगत श्रम कार्यालय नौएडा में पंजीकरण सुनिश्चित कराते हुए उसकी प्रति प्राधिकरण को उपलब्ध करायेंगे।
14. यह कि संविदाकार द्वारा निर्माण कार्य में नियोजित सत् प्रतिशत पत्र श्रमिकों का पंजीकरण भी श्रम विभाग में कराया जाये और उसकी सूचना यथा सम्भव प्राधिकरण को उपलब्ध करायी जाये। उक्त शर्तों के अनुपालन न होने की दशा में संविदाकार को आवंटित कार्य निरस्त करने की कार्यवाही की जायेगी।
15. यदि किसी फर्म दो प्राईवेट लि० कम्पनी/साझेदार फर्म एक ही व्यक्ति निदेशक/साझेदार है एवं दोनो ही कम्पनियां एक ही जॉब की निविदा में टेण्डर डालती है तो ऐसी निविदाओं को निरस्त कर दिया जायेगा।
16. यदि किसी फर्म अथवा कम्पनी का मर्जर किसी अन्य फर्म अथवा कम्पनी में होता है तो सम्बन्धित पुरानी फर्म अथवा कम्पनी के सम्बन्ध में यह प्रमाण देना अनिवार्य है की पुरानी फर्म अथवा कम्पनी के नाम से नये कार्य नहीं ले रहा है तथा हो भी टर्न ओवर/अनुभव पुरानी फर्म अथवा कम्पनी का मर्जर के बाद का है तभी नई कम्पनी में विभाग द्वारा नितिगत रूप से मान्य होगा।
17. निविदा में भाग लेने वाले संविदाकार द्वारा रु० 100.00 के स्टाम्प पेपर पर यह शपथ पत्र निविदा में अपलोड किया जाना आवश्यक है कि उसका कोई निकट सम्बन्धी प्राधिकरण में कार्यरत नहीं है।
18. निविदा में भाग लेने वाले संविदाकार द्वारा निविदा में अपलोड किये गये टर्न ओवर अथवा बैलेन्स सीट इत्यादि से सम्बन्धित प्रपत्रों पर UDIN अंकित होना आवश्यक है।
19. निविदा में प्रथम बार में भाग लेने वाले संविदाकार द्वारा जमा करायी गयी धरोहर राशि द्वितीय या उससे अधिक बार में धरोहर राशि प्रथम बार की ही मान्य होगी। निविदा फीस प्रत्येक बार नई जमा करानी होगी।
20. वित्त नियंत्रक नौएडा महोदय के पत्रांक संख्या-नौएडा/वि०नि०/2019/3023, दिनांक 18.07.2019 के अनुपालन में अवगत कराया गया है कि सूक्ष्म लघु एवं मध्यम उधम अनुभाग-2 के शासनादेश संख्या-711/18-02-2013-71क/99, दिनांक 21.05.2013 जो मुख्य सचिव, उत्तर प्रदेश के हस्ताक्षर से जारी है, में लघु उद्योग इकाईयों से सामग्री क्रय हेतु भारत सरकार लघु मंत्रालय द्वारा आरिक्षित किये गये 358 आईटम्स को क्रय में लघु उद्योग के लिए आरिक्षित किये गये एवं प्रदेश सरकार के क्रय सम्बन्धी आदेशों का अनुपालन किये जाने का उल्लेख है। उक्त शासनादेश के आलोक में तत्कालीन अपर मुख्य कार्यपालक अधिकारी द्वारा हस्ताक्षरित कार्यालय आदेश पत्रांक संख्या-नौएडा/ अ०मु०का०अ०/18/ वरि०प्र०(वि०/यॉ०)-11/2087, दिनांक 07.12.2018 को अतिक्रमित करते हुए निम्नानुसार संशोधित किया जाता है:- प्राधिकरण के वर्क सर्किलों/विभिन्न खण्डों में निष्पादित होने वाले अन्य प्रकृति के कार्य हेतु प्राप्त की जाने वाली निविदाओं में Earnest Money जमा करने की छूट लागू नहीं होगी अपितु यह मात्र सामग्री क्रय हेतु भण्डार क्रय अनुभाग पर लागू होगी।
21. निविदा प्रपत्र में निहित शपथ पत्र रु० 100.00 के स्टाम्प पेपर पर फोटो सहित अपलोड होना अनिवार्य है। शपथ पत्र अपलोड होने की दशा में सम्बन्धित संविदाकार की निविदा को अमान्य माना जायेगा (प्रारूप संलग्न)।
22. निविदाकार के अनुबंध गठन के समय समस्त शपथ पत्र एवं प्रपत्र खण्ड में जमा कराने अनिवार्य है।
23. The bidders should ensure tha they are GST complaint and their quoted tax structure /rates are as per GST law.
24. Joint Ventures are not accepted.
25. All e-Bids submitted shall also include the following:

(i) Filled in form Capability Statement.

(ii) Certified Copies of relevant pages of following documents:

- b. Memorandum and Article of Association showing objectives of the
 - c. Company/firm and authority to sign the e-Bid/contract or delegate the power to others for signing the e-Bid/contract. b. Place of registration.
 - d. The power-of-attorney authorizing the tenderer to sign the e-Bid/ contract. d. PAN certificate of the company/firm.
 - e. e. GST registration certificate of the company/firm.
26. कार्यस्थल पर कार्य कराये जाने के दौरान शटडाउन उ0प्र0पा0का0लि0 या अन्य कोई संस्था द्वारा संविदाकार को स्वयं के स्तर से कराना होगा। जिसके लिये प्राधिकरण द्वारा कोई अतिरिक्त देयता नहीं होगी।
27. कार्यस्थल पर कार्य कराये जाने के दौरान संविदाकार द्वारा सभी कर्मचारियों को समस्त विद्युत सुरक्षा उपकरणों (सेफ्टी किट) के साथ कार्य कराना अनिवार्य है एवं संविदाकार के कर्मचारियों का बीमा होना अनिवार्य होगा। उक्त हेतु संविदाकार को रू0 10.00 का शपथ पत्र देना होगा, जिसमें कार्यस्थल पर सेफ्टी उपकरणों का उपयोग किया जायेगा एवं कार्यस्थल पर होने वाली किसी भी अप्रिय घटना का पूर्ण उत्तरदायित्व संविदाकार का होगा।

Additional Required Condition for Street Light Work

1. उक्त टेण्डर से सम्बन्धित स्ट्रीट लाईट Infrastructure/Site का निरीक्षण करने के उपरान्त ही संविदाकार निविदा में प्रतिभाग करेगा।
2. स्थल जो जहाँ है जैसा है कि तर्ज पर सम्बन्धित फर्म को Handover कर दिया जायेगा तथा एक वर्ष के उपरान्त पूर्णतः संचालित अवस्था में उक्त Site प्राधिकरण को Handover करनी होगी।
3. UPPCL से Shut down इत्यादि हेतु सम्बन्धित संविदाकार को अपने स्तर से समन्वय करना होगा। प्राधिकरण द्वारा Shut down का कोई भी भुगतान नहीं किया जायेगा।
4. स्थल पर Street Light में Fault होने की दशा में अधिकतम 24 घण्टे में रिपेयर करना होगा एवं संविदाकार द्वारा LT Fault Locator कार्यस्थल पर अनिवार्य रूप से उपलब्ध कराया जाना आवश्यक है।

CONTRACTOR SIGNATURE
WITH SEAL

OFFICER INVITING TENDER

APPENDIX 'E'शपथ-पत्र

(रुपये 100/- के स्टॉम्प पेपर पर)

मैं..... उम्र..... पुत्र श्री.....नियासी.....
 आधार कार्ड संख्या..... व पैनकार्ड संख्या..... जो.....
 (फर्म का नाम) का प्रोपराटर/पार्टनर/डायरेक्टर हूँ, शपथपूर्वक यह कथन करता हूँ कि मेरा कोई सगा सम्बन्ध/नजदीकी रिश्तेदार/ब्लड रिलेशन (Hindu succession act के सेक्शन-8 के अन्तर्गत Class-II द्वारा परिभाषित एवं कर्मचारी/अधिकारी स्वयं के अथवा पत्नी/पति के दादा-दादी, माता-पिता, भाई-भाभी, बहन-जीजा (Vice-Versa), चाचा-चाची, ताऊ-तायी, मामा-मामी, बुआ-फूफा, भौसा-मौसी तथा उनके पुत्र एवं पुत्री) का कोई व्यक्ति नौएडा औद्योगिक विकास प्राधिकरण में स्थाई/अस्थायी/दैनिक वेतन/मानवशक्ति आपूर्तिदाता के माध्यम से किसी भी पद पर कार्यरत नहीं है।

उपर्युक्त सूचना मेरे द्वारा निजी ज्ञान एवं वास्तविकता के आधार पर दी जा रही है। यदि उक्त शपथ पत्र दाखिल करने के बाद भविष्य में कभी भी इस प्रकार का तथ्य संज्ञान में आता है कि मेरे द्वारा उपलब्ध करायी गयी सूचना/शपथ गलत है और कोई व्यक्ति उक्त प्रकार से नौएडा प्राधिकरण में कार्य करता हुआ पाया जाता है तो मेरे सारे अवार्ड निरस्त करके मेरी कार्यदायी संस्था को काली सूची में डालते हुए आई.पी.सी. की सुसंगत धारा में प्राथमिकी दर्ज कराते हुए मेरे विरुद्ध विधि की परिधि में कठोरतम कार्यवाही की जाए, जिस पर मुझे अथवा मेरे परिवार को कभी भी कोई आपत्ति नहीं होगी।

शपथकर्ता

(फर्म का नाम)

मोबाइल नं०

शपथ पत्र

मैं..... पुत्र श्री निवास (स्थायी)(अस्थाई पता)

-का नियासी हूँ। मैं शपथपूर्वक निम्न घोषणा करता हूँ।
- मेरे पास पर्याप्त चल और अचल सम्पत्ति है और व्यवसायिक रूप से मैं नौएडा प्राधिकरण के कार्यों को पुरा करने के लिए सक्षम और समर्थ हूँ। मेरे पास आवश्यक मशीनें और उपकरण आदि भी हैं तथा मुझे इस कार्य का पर्याप्त अनुभव है।
 - नौएडा प्राधिकरण द्वारा जो (कार्य का विवरण लिखा जाय) कराने की निविदा निर्गत की गई है उसके लिए मैं विभाग द्वारा निर्धारित प्रारूप पर निविदा भर रहा हूँ।
 - मेरे द्वारा दिये जा रहे प्रमाण पत्र चरित्र प्रमाण पत्र/ हैसियत प्रमाण पत्र/आयकर प्रमाण पत्र/जी0एस0टी0 प्रमाण-पत्र/बिड सिक्योरिटी प्रमाण -पत्र तथा अन्य सुसंगत अभिलेख आदि मूलरूप में निविदा प्रपत्र के साथ सलंगन कर दिये गये हैं।
 - मेरा पैन नं0..... है।(आयकर विभाग द्वारा प्रदत्त प्रमाण -पत्र सलंगन किया जाये।
 - मेरे विरुद्ध अपराधिक मुकदमों का विवरण निम्न प्रकार है। यहाँ पूरा विवरण दिया जाये।
 - मुकदमा नम्बर.....
 - धारायें.....
 - थाना.....
 - जनपद.....
 - न्यायालय (जहाँ मुकदमा चला रहा है).....
 - मैं नौएडा प्राधिकरण अथवा राज्य सरकार के अन्य विभागों द्वारा ब्लैक लिस्टेड ठेकेदार की श्रेणी में नहीं आता हूँ। मैं अपराधिक गतिविधियों, माफिया तथा गैंगेस्टर गतिविधियों और संगठित अपराध कराने की गतिविधियों और असमाजिक कार्यों आदि में लिप्त नहीं हूँ। मैं माफिया और अपराधी नहीं हूँ। मेरा चाल-चलन कार्य तथा आचरण उत्तम है।
 - मेरे विरुद्ध जनपद में तथा प्रदेश में कोई भी मुकदमा दर्ज नहीं है।
 - यदि ठेका प्राप्त करने के पश्चात मेरे विरुद्ध माफिया गतिविधियों असमाजिक गतिविधियों एवं संगठित अपराधियों गतिविधियों में लिप्त होने के बारे में कोई शिकायत प्रमाणित पायी जाती है, तो सक्षम अधिकारी को यह अधिकार होगा कि वह मेरे ठेका /अनुबन्ध निरस्त कर दें इस पर मुझे कोई आपत्ति नहीं होगी। मेरे द्वारा यदि विभाग / राज्य सरकार के विरुद्ध कोई अपराधिक कृत्य किया जाता है तो सक्षम अधिकारी को यह अधिकार होगा कि वह मेरे विरुद्ध अपराधिक मुकदमा नियमों के अन्तर्गत दर्ज करायें।
 - मैं अनुबन्ध की शर्तों के अनुसार समय से पुरी गुणवत्ता के साथ तथा निर्धारित विशिष्टियों के अनुरूप कार्य पूरा करूंगा और विभाग को पूरा सहयोग प्रदान करूंगा।
 - मेरा कार्य एवं आचरण उत्तम है।
 - मैं शपथपूर्वक घोषणा करता हूँ कि मेरा स्थाई पता और अस्थाई पता निम्न प्रकार है:-
 - स्थायी पता (दूरभाष सहित)
 - अस्थाई पता (दुरभाष सहित)(यहाँ पूरा पता दुरभाष सहित एवं पिनकोड सहित लिखा जायें)
 - मैं शपथपूर्व घोषणा करता हूँ कि मैं उपरोक्त पते पर रहता हूँ तथा विभाग द्वारा प्रदान किये गये कार्य के पूरा होने तक मेरे किसी पते में सामान्यतः कोई परिवर्तन नहीं होगा। यदि अपरिहार्य परिस्थितियों में किसी पते में परिवर्तन होता है तो इसकी सूचना मैं तत्काल नौएडा प्राधिकरण, जिला मजिस्ट्रेट/कलेक्टर को दूंगा।
 - मैं यह भी घोषणा करता हूँ कि विभाग के जिस कार्य के लिए मेरे द्वारा ठेका लिया जा रहा है उसके सापेक्ष चल एवं अचल सम्पत्ति का हैसियत प्रमाण पत्र जिला मजिस्ट्रेट/कलेक्टर (जनपद का नाम लिख जाये) द्वारा प्राप्त करके मूलरूप से सलंगन किया जा रहा है। यह भी घोषणा करता हूँ कि हैसियत प्रमाण -पत्र का उपयोग अन्य कार्यों के लिए नहीं किया जायेगा।
 - मैं अपनी पूर्ण जानकारी में पूरे होशो-हवाश में स्वस्थचित्त से, पूरी सत्यनिष्ठा से तथा स्वेच्छा से यह शपथ - पत्र लिखकर दे रहा हूँ। ईश्वर मेरी मदद करें।

दिनांक.....

शपथी का पूरा हस्ताक्षर
पूरा नाम - पता -

नोट :-

- यह स्वघोषणा शपथ पत्र रु0 100.00 (रु0 एक सौ) के स्टाम्प पेपर पर नौटरी द्वारा साक्ष्यों की उपस्थिति में सत्यापित कराते हुए दिया जायेगा।
- असत्य शपथ-पत्र देना एक संगीन और संज्ञेय अपराध है।
- सम्बन्धित व्यक्ति द्वारा पोसपोर्ट साईज का अपना फोटोग्राफ, जो राजपत्रित अधिकारी द्वारा प्रमाणित हो, शपथ-पत्र के ऊपर निर्धारित स्थान पर चस्पा किया जायेगा।

नवीन ओखला औद्योगिक विकास प्राधिकरण
कार्यालय उप महाप्रबन्धक (टी०ए०सी०)

मुख्य प्रशासनिक कार्यालय, सैक्टर-8, नौएडा (गौतमबुद्ध नगर)

पत्रांक नौएडा/उ०म०प्र०(टी०ए०सी०)/2021/ 01

दिनांक 25/8/21



कार्यालय आदेश

पूर्व में निविदा प्रक्रिया से सम्बन्धित सभी आदेशों को अतिक्रमित करते हुए, प्राधिकरण बोर्ड की 202वीं बैठक के मद सं० 24 के क्रम में नौएडा प्राधिकरण में उत्तर प्रदेश लोक निर्माण विभाग की निविदा प्रक्रिया अपनाये जाने के सम्बन्ध में लिये गये निर्णय के क्रम में नौएडा प्राधिकरण की निविदाओं के निष्पादन हेतु निम्न प्रक्रिया अपनाई जायेगी:-

(क) आगणन गठन एवं निविदा प्रकाशन प्रक्रिया :-

1. नौएडा प्राधिकरण में आगणनों का गठन अधीक्षण अभियन्ता, बुलन्दशहर सर्किल, लोक निर्माण विभाग, बुलन्दशहर के SOR के अनुसार किया जायेगा। जो दरें SOR में उपलब्ध नहीं हैं उन्हें प्रचलित DSR या अन्य Schedule से लिया जायेगा एवं जो दरें दोनों में नहीं हैं उन्हें वर्तमान बाजार से निर्माता कम्पनी की प्राईस लिस्ट/विभिन्न फर्मों से कुटेशन प्राप्त कर Analysis of Rates (AOR) तैयार कर सक्षम स्तर से अनुमोदित कराकर प्रयुक्त किया जायेगा।

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2. कार्य स्थल की आवश्यकतानुसार आगणन गठित कर सक्षम स्तर से सैद्धान्तिक स्वीकृति प्राप्त की जायेगी। सैद्धान्तिक स्वीकृति के उपरान्त आगणन का टैक्निकल ऑडिट सैल से परीक्षण कराते हुए तथा आगणन समिति से अनुमोदनोपरान्त सक्षम स्तर से वित्तीय एवं प्रशासनिक स्वीकृति प्राप्त की जायेगी।

3. समस्त कार्यों की तकनीकी स्वीकृति सक्षम स्तर से प्रदान की जायेगी।

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4. तकनीकी स्वीकृत आगणन के अनुसार बनाये गये एन.आई.टी. की स्वीकृति सक्षम स्तर से प्रदान की जायेगी।

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5. वर्क सर्किलो/खण्डों द्वारा प्रेषित निविदा प्रकाशन हेतु समस्त कार्यों को संकलित कर समस्त निविदाएँ महाप्रबन्धक/उप महाप्रबन्धक/निदेशक (उद्यान) स्तर से प्रकाशित की जायेगी।

(ख) निविदा आमंत्रण प्रक्रिया :-

1. रुपये 10.00 लाख तक के कार्यों हेतु अनुभव की योग्यता अनिवार्य नहीं होगी।
2. रुपये 10.00 लाख से अधिक के कार्यों में समान प्रकृति के निर्माण कार्यों की निम्नानुसार योग्यता आवश्यक होगी:-

(क) कार्य की लागत के 80% लागत का कम से कम एक कार्य निविदाकार द्वारा अपने नाम से किया हुआ होना चाहिए।

(ख) कार्य की लागत के 60% लागत के कम से कम दो कार्य निविदाकार द्वारा अपने नाम से किये हुए होने चाहिए।

(ग) कार्य की लागत के 40% लागत के कम से कम तीन कार्य निविदाकार द्वारा अपने नाम से किये हुए होने चाहिए।

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3. नौएडा प्राधिकरण के मार्ग, सेतु, भयन एवं विद्युत/यांत्रिक सहित कार्यों/निर्माण परियोजनाओं का ठेका किसी भी अपराधी व्यक्ति को नहीं दिया जायेगा। कोई भी व्यक्ति जिसका आपराधिक इतिहास हो या जिसके विरुद्ध आपराधिक मुकदमें दर्ज हो अथवा जो माफिया गतिविधियां, गैंगस्टर एवं गुण्डा गतिविधियों में संलग्न हो उसे ठेका नहीं दिया जायेगा। जो व्यक्ति संगठित अपराधों अथवा असामाजिक गतिविधियों में संलग्न हो उसे भी ठेका नहीं दिया जायेगा। ऐसे व्यक्तियों का ठेका प्रक्रिया में भाग लेना भी प्रतिबन्धित रहेगा जो ठेकेदार पूर्व में नौएडा प्राधिकरण अथवा राज्य सरकार के किसी अन्य विभाग में ब्लैकलिस्ट की श्रेणी में आते हैं वे भी ठेके में भाग नहीं ले सकेंगे और उन्हें कोई भी ठेका स्वीकृत नहीं किया जायेगा। पंजीकृत ठेकेदारों तथा ब्लैकलिस्ट/डिबार किये गये ठेकेदारों की सूची को विभागीय वेबसाइट पर डालकर सार्वजनिक किया जायेगा। ठेकेदारों को कार्य आवंटित करने से पूर्व इस सूची से मिलान अवश्य सुनिश्चित किया जाये। इसका कठोरता से पालन सुनिश्चित कराया जाये।
4. ठेका स्वीकृत होने के पश्चात भी यदि यह तथ्य प्रमाणित होता है कि सम्बन्धित ठेकेदार द्वारा अन्य संभावित निविदाकर्ताओं को धमकाया जा रहा है अथवा उन्हें निविदा प्रक्रिया में भाग लेने एवं टेण्डर डालने से रोका गया है तो जिलाधिकारी अथवा पुलिस से जांच रिपोर्ट प्राप्त करने के पश्चात स्वीकृत ठेके को निरस्त कर दिया जायेगा और पुनः निविदा करके पूरी कार्यवाही की जायेगी। किसी ठेकेदार को ठेका स्वीकृत होने के पश्चात भी यदि यह तथ्य संज्ञान में आता है और जांच में प्रमाणित पाया जाता है कि संबन्धित ठेकेदार/व्यक्ति सक्रिय अपराधिक गतिविधियों असामाजिक कार्यों तथा संगठित अपराधिक गतिविधियों में लिप्त है तो उसे प्रदान किया गया अनुबन्ध अथवा पट्टा का ठेका निरस्त कर दिया जायेगा। निरस्तीकरण से पूर्व उसे कारण बताओं नोटिस अवश्य दिया जायेगा।
5. शासनादेश संख्या 6738/23-7-06-176(सा0)/06, दिनांक 05.01.2007 द्वारा लोक निर्माण विभाग में नये चरित्र प्रमाण पत्र और हैसियत प्रमाण पत्र जारी किये गये हैं। दोनों प्रमाण पत्र संबन्धित जनपद के जिला मजिस्ट्रेट/कलेक्टर के स्वयं के हस्ताक्षर से जारी किये जायेगे। उनके स्थान पर किसी अन्य अधिकारी द्वारा यह प्रमाण पत्र निर्गत नहीं किये जायेंगे। गृह (पुलिस) अनुभाग-14, उ0प्र0 शासन द्वारा निर्गत शासनादेश संख्या 1624/छ:-पु-14-2013-50(7)/2006, दिनांक 20.05.2013 के क्रम में चरित्र प्रमाण पत्र की वैधता की समय सीमा 03 वर्ष कर दी गयी है। चरित्र प्रमाण पत्र व हैसियत प्रमाण पत्र को जनपद की वेबसाइट पर अपलोड कराया जायेगा। नौएडा प्राधिकरण के अधिकारी ठेकेदारों के पंजीकरण से पूर्व तथा कार्य आवंटित करने से पूर्व इन प्रमाण पत्रों का सत्यापन सुनिश्चित करायेंगे। उत्तर प्रदेश सहित भारत के दूसरे राज्यों एवं केन्द्र शासित प्रदेशों के जिलाधिकारियों/डिप्टी कमिश्नर/समकक्ष अधिकारी द्वारा उपरोक्त प्रारूपों में निर्गत चरित्र प्रमाण पत्र व हैसियत प्रमाण पत्र मान्य होंगे। सभी का सत्यापन कराया जाना आवश्यक होगा। यह देखा गया है कि फर्म के नाम से रजिस्ट्रेशन कराते समय ठेकेदारों द्वारा फर्म/पार्टनरों के नाम से निर्गत हैसियत प्रमाण पत्र प्रस्तुत किये जाते हैं बाद में फर्म से कोई वसूली यदि की जानी हो तो कभी-कभी संभव नहीं हो पाता है। अतः फर्म/कम्पनी के नाम से पंजीकरण कराते समय फर्म/कम्पनी के नाम की हैसियत प्रमाण पत्र ही मान्य होगा। इस निर्देश का कठोरता से अनुपालन किया जाये। इस संबंध में महानिरीक्षक निबन्धक, उ0प्र0 के पत्र संख्या 501/शि0का0लख/2003 दिनांक 27.02.2003 द्वारा निर्गत निर्देशों के अनुसार कार्यवाही सुनिश्चित की जाये।
6. नौएडा प्राधिकरण में जो भी व्यक्ति अथवा संस्था ठेकेदारी का कार्य करना चाहेंगी उसे स्वघोषणा पत्र देना अनिवार्य होगा। यह स्वघोषणा पत्र शपथ पत्र रू0 100/- के स्टाम्प पेपर पर नोटरी द्वारा सत्यापित कराकर दिया जायेगा। यह स्वघोषणा शपथ-पत्र अनुबन्ध का अनिवार्य अंग है। बिना इसके कोई भी ठेका स्वीकृत नहीं किया जायेगा।

7. ई-टेण्डरिंग व्यवस्था लागू होने के कारण निविदा सूचना से सम्बन्धित संक्षिप्त प्रेस नोट जिसमें ई-टेण्डरिंग वेबसाईट का उल्लेख हो तथा प्रचार प्रसार विभाग के माध्यम से प्रकाशित कराया जायेगा। इसका उद्देश्य यह है कि विभागीय टेण्डर और उसकी कार्यप्रणाली का व्यापक प्रचार-प्रसार हो सकें और पारदर्शिता सुनिश्चित की जा सकें।
8. बहुधा देखा गया है कि किसी ठेकेदार को ब्लैकलिस्ट/डिबार करने के पश्चात सम्बन्धित ठेकेदार अपने परिवारजनों के नाम से अथवा फर्म/कम्पनी का नाम बदल कर दूसरा रजिस्ट्रेशन कराकर कार्य करने लगते हैं। इस प्रथा को रोकने के लिए यह स्पष्ट किया जाता है कि किसी ठेकेदार/फर्म/कम्पनी को यदि नियमानुसार ब्लैकलिस्ट/डिबार किया गया है तो वह ठेकेदार स्वयं अथवा उस फर्म/कम्पनी का प्रत्येक पार्टनर/डायरेक्टर ब्लैकलिस्ट होता है तथा ऐसा कोई भी व्यक्ति अथवा उसका सगा संबंधी यदि पंजीकरण के लिए स्वयं अथवा किसी फर्म/कम्पनी के पार्टनर/निदेशक की हैसियत से पंजीकरण के लिए आवेदन करता है तो उस आवेदन पर विचार नहीं किया जायेगा। इस निर्देश का कड़ाई से अनुपालन किया जाये।

(ग) निविदा का मूल्यांकन

ई-निविदा प्रकाशन के पश्चात डाउनलोड की गई निविदाओं को नियमानुसार खोला जायेगा। निविदाओं की प्रीक्वालिफिकेशन की प्रक्रिया में समस्त प्रपत्रों का परीक्षण, सत्यापन किये जाने के उपरान्त निविदा समिति द्वारा परीक्षणोपरान्त अर्ह पाये गये निविदाकारों की निविदाओं की प्राईस बिड खोले जाने की संस्तुति की जायेगी। लोक निर्माण विभाग में निविदा प्राप्त होने की तिथि से 05 दिन के अन्तर्गत उसका तकनीकी मूल्यांकन किये जाने का प्राविधान है। परन्तु प्राधिकरण में लोक निर्माण विभाग की भांति ठेकेदारों के रजिस्ट्रेशन की प्रक्रिया प्रचलन में नहीं है। जिस कारण 05 दिवसों के सापेक्ष 15 दिवस की अवधि में तकनीकी मूल्यांकन पूर्ण किया जायेगा। लोक निर्माण विभाग की भांति ही नौएडा प्राधिकरण में ठेकेदारों के पंजीकरण की प्रक्रिया प्रारम्भ करने के बाद नौएडा प्राधिकरण में भी 05 दिवसों में तकनीकी परीक्षण किया जायेगा।

1. अनेकों ठेकेदारों द्वारा फर्फी एवं गलत आर्थिक स्थिति दिखाते हुए हैसियत प्रमाण पत्र प्रस्तुत किये जाते हैं। इन हैसियत प्रमाण पत्रों का बैंक से और जिलाधिकारी कार्यालय से पुष्टि वित्त विभाग के लेखाधिकारी के माध्यम से भी करायी जाये। वित्त से सम्बन्धित समस्त अभिलेखों का सत्यापन वित्त विभाग द्वारा कराया जायेगा। गलत हैसियत प्रमाण पत्र के आधार पर ठेका कदापि न दिया जाय।
2. कभी-कभी ठेकेदारों के बीच अस्वस्थ प्रतिस्पर्धा (Unhealthy Competition) के कारण कार्य की अनुमानित लागत से काफी नीचे की बोली/दरें दे दी जाती है। ऐसी दशा में यदि सक्षम अधिकारी को यह आशंका हो कि ठेकेदारों द्वारा जानबूझकर कम दरें दी जा रही हैं और इस प्रकार गुणवत्ता के साथ और मानकों के अनुरूप कार्य पूरा किया जाना संभव नहीं हो पायेगा तो सक्षम अधिकारी को यह अधिकार होगा कि वह ठेकेदार से इसका विस्तृत विवरण मांगे कि वह क्यों इतनी कम दरें दे रहा है और इतनी कम लागत पर उस परियोजना को कैसे पूरा कर सकेगा। यदि इस आशंका की पुष्टि हो जाती है कि ठेकेदारों द्वारा जानबूझकर ऐसा किया जा रहा है तो वह मेरिट के आधार पर टेण्डर को निरस्त कर सकते हैं। किन्तु इस सम्बन्ध में एक तथ्यात्मक और Speaking Order पास करेंगे जिसमें सभी तथ्यों का उल्लेख किया जायेगा कि टेण्डर को क्यों निरस्त किया जा रहा है।
3. प्राईस बिड खोले जाने के उपरान्त यदि निविदाकार की दरें निविदित दरों से कम प्राप्त होती है तो न्यूनतम निविदाकार को अर्ह पाया जायेगा तथा उक्त निविदाकार की निविदा सक्षम स्तर से स्वीकृति सम्बन्धित अग्रिम आवश्यक कार्यवाही की जायेगी। अधिक दरें प्राप्त होने पर निविदा निरस्त करते हुए पुनः निविदा आमंत्रित की जायेगी।

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(घ) निविदा में दरो के नेगोसिएशन के सम्बन्ध में

1. केन्द्रीय सतर्कता आयोग, भारत सरकार के परिपत्र के क्रम में निविदा खोलने के बाद निविदादाता से नेगोसिएशन करने के लिए निम्नानुसार कार्यवाही की जायेगी।
 1. सामान्य किसी भी निविदादाता से कोई भी नेगोसिएशन न किये जाये एवं यदि अधिक दरें प्राप्त होती हैं तो पुनः निविदा आमंत्रित की जाये।
 2. अपरिहार्य परिस्थितियों में यातायात की सुरक्षा हेतु मरम्मत या अति विशिष्ट व्यक्तियों के आगमन हेतु निर्माण कार्य इत्यादि में केवल प्रथम निविदादाता से नेगोसिएशन किया जाये।
 3. किसी भी परिस्थिति में प्रथम न्यूनतम निविदादाता को छोड़कर किसी भी निविदादाता से किसी भी प्रकार का नेगोसिएशन न किये जाये।
2. वित्तीय बिड खोली जाने के तीन दिन के अन्दर स्वीकृति पत्र (Letter of Acceptance) निर्गत किया जायेगा।

(ङ) अनुबन्ध गठन प्रक्रिया :-

1. ठेका स्वीकृत होने के पश्चात् सभी अभिलेख को प्राप्त करने की कार्यवाही और औपचारिकतायें आदि पूरी करने की कार्यवाही यथाशीघ्र सम्बन्धित वरिष्ठ प्रबन्धक/उप निदेशक/परियोजना अभियन्ता कार्यालय में विभागीय नियमों के अन्तर्गत की जायेगी। किन्तु प्रत्येक दशा में यह औपचारिकतायें 15 दिनों में अवश्य पूरी कर ली जाये। यदि इससे अधिक विलम्ब होता है तो इसके लिए जिम्मेदारी सम्बन्धित अभियन्ता की होगी। अतः इस समय में सारी कार्यवाही सुनिश्चित किया जाना अनिवार्य होगा। सम्बन्धित अधिकारी विलम्ब के लिए दोषी माने जायेंगे।
2. नौएडा प्राधिकरण में अनुबन्ध गठन वित्तीय प्रतिनिधायन के अनुसार किया जायेगा।

(च) परियोजना का क्रियान्वयन:-

1. अनुबन्ध गठन उपरान्त कार्यस्थल की आवश्यकतानुसार किसी नयी ड्राईंग एवं डिजाईन को छोड़कर समस्त स्वीकृतिया Engineer-in-Charge द्वारा प्रदान की जायेगी।
उप महाप्रबन्धक/महाप्रबन्धक/मुख्य महाप्रबन्धक/निदेशक/वरिष्ठ परियोजना अभियन्ता के अनुबन्ध में वरिष्ठ प्रबन्धक/उप निदेशक/परियोजना अभियन्ता तथा वरिष्ठ प्रबन्धक/उप निदेशक/परियोजना अभियन्ता के अनुबन्ध में प्रबन्धक/सहायक निदेशक/सहायक परियोजना अभियन्ता Engineer-in-Charge होंगे।
2. कार्य की गुणवत्ता में कमी के कारण अर्धदण्ड

नौएडा प्राधिकरण में कराये जा रहें कार्यों में कहीं भी ठेकेदार के कार्य में क्वालिटी में कमी व मात्रा में कमी, कार्य पूर्ण होने के बाद भी जाँच में पाये जाने पर लोक निर्माण विभाग की भौति ही प्राधिकरण को हुई हानि का 50 प्रतिशत ठेकेदारों से उनके बिलों से काटा जायेगा। इसका अनुपालन न किये जाने पर उत्तरदायी व्यक्तियों से न केवल उक्त हानि की पूर्ण राशि की वसूली करने, बल्कि शासन के आदेशों की अवहेलना करने की कार्यवाही की जायेगी।

3. कार्य में विलम्ब के कारण अर्थदण्ड

नौएडा प्राधिकरण में कार्यों में विलम्ब होने पर लोक निर्माण विभाग की भौति अनुबन्ध के GPW Form – 9 की क्लॉज 2 के अनुसार निम्न व्यवस्था रहेगी:—

यदि संविदाकार द्वारा स्वीकृत समय सीमा के अन्तर्गत कार्य पूर्ण नहीं किया जाता है तो उस पर कार्य की कुल लागत का 1.0 % प्रतिदिन या सक्षम अधिकारी जो भी उक्त सीमा तक उचित समझे अर्थदण्ड लगा सकता है। उक्त अर्थदण्ड अनुबन्ध की कुल लागत का 10% तक हो सकता है।

(छ) Debarring/Blacklisting की प्रक्रिया:—

नौएडा प्राधिकरण क्षेत्र में किसी भी संविदाकार/फर्म/पार्टनर/प्रोपराईटर को Debar/Blacklist हेतु निम्नानुसार व्यवस्था अपनायी जायेगी।

1. Debarring of Contractor /संविदाकारों को कार्यों में निषेध किया जाना

किसी भी संविदाकार/फर्म/पार्टनर/प्रोपराईटर को निम्नलिखित कारणों से किसी निश्चित अवधि जो कि महाप्रबन्धक स्तर/उच्च स्तर से निर्धारित की जा सकेगी, के लिए नौएडा प्राधिकरण के अन्तर्गत कार्यों हेतु Debar/निषेध किया जा सकता है। किसी संविदाकार/फर्म/पार्टनर को नौएडा प्राधिकरण के अन्तर्गत निषेध करने से पूर्व सम्बन्धित को सक्षम स्तर से Show Cause Notice जारी किया जायेगा। Show Cause Notice के उत्तर पर गुण दोष के आधार पर परीक्षण करते हुए Debar/निषेध करने पर निर्णय लिया जायेगा।

नौएडा प्राधिकरण में निम्न कारणों से किसी भी संविदाकार को Debar/निषेध करने की कार्यवाही की जायेगी।

1. संविदाकार द्वारा कार्य की गुणवत्ता सुनिश्चित ना करना।
2. संविदाकार द्वारा किये गये कार्य पर विभिन्न तरह की निर्माण सम्बन्धी कमियाँ पाया जाना।
3. कार्य की प्रगति संतोषजनक ना होना।
4. अनुबन्ध की किसी विशेष शर्त का उल्लंघन करना।
5. संविदाकार का या उसके प्रतिनिधि द्वारा कार्यस्थल या कार्यालय पर दुर्व्यवहार किया जाना।
6. संविदाकार द्वारा Labour Norms और Labour Rules का लगातार उल्लंघन किया जाना।
7. किसी भी माननीय न्यायालय द्वारा ऐसे आदेश पारित करना जिस हेतु संविदाकार को निषेध किया जाना आवश्यक हो।
8. या ऐसा कोई भी कारण जिससे संविदाकार को निषेध किया जाना उचित प्रतीत होता हो।

2. Blacklisting of Contractor /संविदाकारों को काली सूची में डालना

किसी भी संविदाकार (फर्म/पार्टनर/प्रोपराईटर) को निम्नलिखित कारणों से किसी निश्चित अवधि जो कि महाप्रबन्धक स्तर/उच्च स्तर से निर्धारित की जा सकेगी, के लिए नौएडा प्राधिकरण के अन्तर्गत कार्यों हेतु काली सूची में डालने की कार्यवाही की जा सकती है। किसी संविदाकार/फर्म/पार्टनर को नौएडा प्राधिकरण के अन्तर्गत काली सूची में डालने से पूर्व सम्बन्धित को सक्षम स्तर से Show Cause Notice जारी किया जायेगा। Show Cause Notice के उत्तर पर गुण दोष के आधार पर परीक्षण करते हुए काली सूची में डालने पर निर्णय लिया जायेगा।

- (i) दिनांक 01.07.2021 के बाद उत्तर प्रदेश लोक निर्माण विभाग के अनुसार गठित होने वाले रू0 100.00 करोड तक की लागत के कार्यों में 10CC/ Price Escalation की व्यवस्था नहीं रहेगी।
- (ii) रू0 100.00 करोड से अधिक लागत के कार्यों में भारत सरकार का स्टैंडर्ड बिड डाक्यूमेंट का प्रयोग किया जायेगा जिसमें CPWD की भौति 10CC की व्यवस्था रहेगी।

नौएडा प्राधिकरण की समस्त निविदाओं का निष्पादन उपरोक्तानुसार सुनिश्चित किया जायेगा तथा नौएडा संचालक मण्डल से स्वीकृत वित्तीय प्रतिनिधायन के अनुसार समस्त कार्यवाही की जायेगी।

उपरोक्त आदेश मुख्य कार्यपालक अधिकारी महोदया के अनुमोदनोपरान्त जारी किये जा रहे है।

(श्रीपाल सिंह)
उप महाप्रबन्धक (टी0ए0सी0)

प्रतिलिपि:-

1. निजी सचिव को मुख्य कार्यपालक अधिकारी महोदया के सादर अवलोकनार्थ।
2. निजी सचिव को अपर मुख्य कार्यपालक अधिकारी (एन) महोदया के सादर अवलोकनार्थ।
3. निजी सचिव को अपर मुख्य कार्यपालक अधिकारी (पी) महोदय के सादर अवलोकनार्थ।
4. वित्त नियंत्रक महोदय को सूचनार्थ।
5. मुख्य विधि सलाहकार महोदय को सूचनार्थ।
6. मुख्य महाप्रबन्धक महोदय को सूचनार्थ।
7. महाप्रबन्धक महोदय को सूचनार्थ।
8. विशेष कार्याधिकारी (जे/टी/ए/आई/एस) नौएडा।
9. निदेशक (उद्यान)।
10. मुख्य वित्त एवं लेखाधिकारी।
11. उप महाप्रबन्धक (जल)/(एन0टी0सी0)
12. वरिष्ठ परियोजना अभियन्ता (जन स्वास्थ्य)
13. समस्त मण्डलीय अधिकारी।

म/25/11/2021
उप महाप्रबन्धक (टी0ए0सी0)

नौएडा प्राधिकरण की 187वीं बैठक दिनांक 14.12.2015 के मद संख्या-15 के प्रस्ताव के अनुमोदनोपरान्त जारी किये गये कार्यालय आदेश सं0-नौएडा/उ0मु0का0अ0(एस)/2015/मु.प.अ./1229 दिनांक 04.01.2016 के क्रम में निविदाओं में निम्न अतिरिक्त शर्त तत्काल प्रभाव से सम्मिलित की जाये:-

1. रु0 50.00 करोड़ की धनराशि तक के कार्यों की सम्पूर्ण धरोहर राशि आर0टी0जी0एस0 के द्वारा जमा कराई जायेगी, जिससे उक्त राशि तक के निविदाकारों को बैंक गारन्टी/एफ0डी0आर0 प्राधिकरण में जमा नहीं करना पड़ेगा। रु0 50.00 करोड़ से अधिक धनराशि के कार्यों के प्रकरणों में धरोहर राशि की रु0 1.00 करोड़ आर0टी0जी0एस0 के रूप में व अवशेष धरोहर राशि को बैंक गारन्टी/एफ0डी0आर0 के रूप में जमा कराया जायेगा तथा बैंक गारन्टी/एफ0डी0आर0 जमा करने की तिथि निविदा प्राप्ति की तिथि के पश्चात रखी जायेगी।
2. ठेकेदारों की अर्हता प्रपत्रों में टर्न ओवर के संबंध में Chartered Accountant (CA) के प्रमाण पत्र को अर्हता का आधार माना जाता है, जिसको अधिक पुष्टि व पारदर्शी बनाने हेतु CA द्वारा दी जा रही सूचना के साथ-साथ ठेकेदारों से शपथ पत्र पर उक्त सूचना माँगी जाये।
यदि किसी फर्म अथवा कम्पनी का मर्जर किसी अन्य फर्म अथवा कम्पनी में होता है तो संबंधित पुरानी फर्म अथवा कम्पनी के संबंध में यह प्रमाण पत्र प्राप्त किया जाना आवश्यक है कि वह पुरानी फर्म अथवा कम्पनी के नाम से नये कार्य नहीं ले रहे हैं तथा जो भी टर्न ओवर, अनुभव पुरानी फर्म अथवा कम्पनी का मर्जर के बाद का है तभी नई कम्पनी में विभाग द्वारा नीतिगत रूप से मान्य किया जायेगा।
3. यदि किसी ठेकेदार द्वारा अपनी अर्हता के संबंध में जमा कराये गये प्रपत्रों में कभी भी कार्य के अंतिम भुगतान तक यह संज्ञानित होता है कि कार्य की अर्हता संबंधी जमा कराये गये प्रपत्र फर्जी है, गलत सूचनायें दी गई हैं अथवा सूचनायें विभाग से छुपाई गई हैं, तो ऐसे प्रकरणों में संबंधित ठेकेदार का वह अनुबंध तत्काल निरस्त किया जाना, उस समय तक विभाग के पास उपलब्ध जमानत राशि को जब्त किया जाना तथा संबंधित को प्राधिकरण में कार्य लेने पर वंचित किया जायेगा तथा आवश्यकतानुसार ठेकेदार के विरुद्ध कानूनी कार्यवाही व काली सूची में भी डाला जायेगा।
4. रु0 दस करोड़ से अधिक धनराशि के आगणनों व जस्टीफिकेशन का परीक्षण आई0आई0टी0 द्वारा कराये जाने के प्राधिकरण की 167वीं बैठक दिनांक 28.04.2010 के मद सं0 25 के बिन्दु सं0 7 में लिये गये निर्णय का अनुपालन किया जा रहा है। अतः उक्त कार्यों के नॉन शैड्यूल (बाजार दर पर आधारित) अतिरिक्त मद/सब्सिटीयूट मद का परीक्षण भी IIT से कराया जायेगा व सक्षम स्तर से स्वीकृति के उपरांत ही भुगतान किया जायेगा।
5. प्राधिकरण बोर्ड की 167वीं बैठक दिनांक 28.04.2010 की मद सं0 25 के बिन्दु सं0 3 (छ) में यह निर्णय लिया गया था कि विशेष प्रकृति की परियोजनाएँ, जिसकी अनुमानित लागत रु0 25.00 करोड़ से अधिक है, उन कार्यों हेतु मुख्य कार्यपालक अधिकारी से प्रशासनिक एवं वित्तीय स्वीकृति निर्गत किये जाने के साथ-साथ मोबाइलाइजेशन एडवॉन्स का प्राविधान CPWD Manual के क्लॉज सं0 31.5 के अनुसार किया जायेगा। रु0 25.00 करोड़ से अधिक धनराशि के कार्यों हेतु CPWD Manual में प्राविधानित 5% परफोर्मेंस गारन्टी भी अनुबंध बनने के पहले ठेकेदारों से प्राप्त की जायेगी।
6. संविदाकारों द्वारा सर्विस टैक्स की मद में जमा करायी गई राशि नौएडा प्राधिकरण द्वारा Reimburse की जायेगी।
7. CPWD Manual में प्राविधानित बैंक गारन्टी के प्रारूप में बैंक गारन्टी जमा करनी होगी।
8. विभिन्न कार्यों के अनुबंधों में कार्य की ड्राईंग/लेआउट प्लान को अनुबंध का भाग बनाया जायेगा, ताकि कार्य सम्पादन का मिलान भी किया जा सके। अन्तिम बीजक में यह प्रमाण पत्र अभियंत्रण/खण्ड द्वारा दिया जायेगा कि अनुबंध में प्रमाणित स्थल पर ही अनुबंध के अनुरूप कार्य कराया गया है।
9. माप पुस्तिकाओं में मानकों के आधार पर आवश्यक टैस्ट चैक किये जायेंगे तथा मानकों के अनुसार भुगतान की संस्तुति की जायेगी।

नोट:- निविदा की Special conditions एवं Specification की पुरानी शर्तों में मद सं0-15 में सभी करो में सर्विस टैक्स शामिल नहीं किया जायेगा।

New Okhla Industrial Development Authority

SALABLE FORM FOR TENDER INVITED

Job

No.

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The required fee of tender form has been deposited in _____ Bank A/c No. _____ RTGS and the scanned copy of UTR receipt with Transaction Id is being enclosed with E-tender documents. If the copy of UTR receipt is not uploaded with the E-tender the tender shall be rejected.

DETAILS OF ERNEST MONEY ATTACHED

The required amount of Earnest money has been deposited in _____ Bank A/c No. _____ RTGS and the scanned copy of UTR receipt with transaction Id is being enclosed with E-tender documents. If the copy of UTR receipt is not uploaded with the E-tender the tender shall be rejected.

CONTRACOR

Note : Out of two Banks Account given by Noida Authority, Contractors are requested to mentioned that in which bank account he/they have deposited the cost of bid document/ e-Tender processing fee and Earnest Money.

CAPABILITY STATEMENT

*It is compulsory for the bidder to fill this statement and the bidder **must upload only those documents** that support this statement.

Reference No:- 16_GM_EandM_-SM_E andM-1_E-Tender-2026-27			
Tender-Annual Maintenance and Repairing of 16Mtr./30Mtr. Highmast in sector-80, 81, 83, 84, 85, 86, 87, 88, 89, 90, 145, 146, 147 and 148, Noida.			
Name of Tenderer			
TOTAL NIT COST OF PROJECT (In Rs.)		4889342.68	
S. NO.	ELIGIBILITY CRITERIA		(Value To Be Filled By the Tenderer In Indian Rs.)
			Minimum Value
1	SOLVENCY (Issued within a period of minimum six months).	40% OF TOTAL ESTIMATED COST	1955737.07
2	EXPERIENCE (WITH GOVERNMENT/SEMI- GOVERNMENT/PSUs ONLY) completed works during the last 7 years ending last day of the month previous to the one in which applications are invited	Three similar completed works each costing not less than the amount equal to 40% of estimated cost put to tender	1955737.07
			1955737.07
		OR	
		Two similar completed works each costing not less than the amount equal to 60% of estimated cost put to tender	2933605.61
			2933605.61
		OR	
		One similar completed works costing not less than the amount equal to 80% of estimated cost put to tender	3911474.14
RESULT OF EXPERIENCE			
3	TURNOVER (During the immediate LAST 3 consecutive financial years)		YEAR1
			YEAR2
			YEAR3
		Average annual financial turnover on construction works should be atleast 30% of the estimate cost during the immediate last 3 consecutive financial years	
4	Required technical staff	*The bidder must submit the supporting document as per prequalification on stamp paper with notary	
5	Required machinery	* The bidder must submit the supporting on stamp paper with notary	
6	Character Certificate of Individual /Partners/directors issued from District Magistrate B11		
7	Affidavit of Not Black Listed on stamp paper with notary		
8	Affidavit of Turnover on stamp paper with notary		
9	Address Proof/ID. Proof of Individual/Partners/Directors		
10	Copy of A Class approved valid license		
11	Copy of GST Registration		
12	ITR		
13	Blood relation Stamp paper (Affidavit with Notary)		
14	With photo Stamp paper (Affidavit with Notary)		
15	Power of Attorney in case of the firm		
16	Copy of Partnership deed in case of the Firm.		
17	संविदाकार को ₹0 10.00 का शपथ पत्र देना होगा, जिसमें कार्यस्थल पर सेप्टी उपकरणों का उपयोग किया जायेगा एवं कार्यस्थल पर होने वाली किसी भी अप्रिय घटना का पूर्ण उत्तरदायित्व संविदाकार का होगा।		

APPENDIX 'A'

This is to certify that M/s.
.....

have been dealing with us for last... .. years, satisfactorily. The balance lying in the his/her accounts with us is Rs. The turnover during the year in the accounts have been to the turnover Rs. Lac, on the basis of information available with us we assess their solvency is not less than Rs. Lac.

Dated:

Manager
Seal of the Bank

APPENDIX 'B'

I/We

S/o Shri

Karta/Partners/Authorized person of M/s

.....

resident of.....

.....

applicant for pre-qualification hereby declare that following person/persons are in my/our regular employee on the post and from the dates mentioned against them.

S. No.	Name & Address	Technical Qualification	Post Held	Date of regular continuous employee
---------------	---------------------------	------------------------------------	----------------------	--

I/We undertake that if any of the post falls vacant or left unfilled for more than one month during the execution of the work entrusted to me/us by NOIDA, I/we shall inform the authority to whom the application for pre-qualification is being made.

SEAL
(Notary Public)

APPLICANT

APPENDIX 'C'

I/We

S/o Shri

Karta/Partners/Authorized person of M/s

.....
applicant for pre-qualification for this job to be executed, hereby, declare that I/we possess the following machinery, tools & plants, centering & shuttering.

Particulars of Machinery Tools & Plant Centering & Shuttering	Estimated Cost (Rs.)	Approximate Age (Yrs.)
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I/We undertake that if there is any reduction in the equipment below the limit required for pre-qualification, I/we will inform Project Engineer/Chief Project Engineer to whom application for pre-qualification is being made.

Seal
(Notary Public)

Signature of Applicant

APPENDIX 'D'

Certified that following works awarded to M/s

.....

has / have been carried out satisfactorily and completed in all respects.

S. No.	Name of Work	Date of Start	Date of Completion	Total Value of work done (Rs.)
---------------	---------------------	--------------------------	-------------------------------	--

The performance of the firm has been found good and they are considered capable of execution of project of large magnitude more than Rs. Lac.

The financial position of the firm appears to be sound and they are capable of executing the works in accordance with the specifications and within specified time schedule provided to them.

The dealings of the firms have been observed to be cordial and reasonable.

Signature of Officer/ Incharge of work

BILL OF QUANTITY

Tender Inviting Authority: Senior Manager (E/M)-I

Name of Work :- Annual Maintenance and Repairing of 16Mtr. / 30Mtr. Highmast in sector-80, 81, 83, 84, 85, 86, 87, 88, 89, 90, 145, 146, 147 and 148, Noida.

Contract No: 16/GM(E/M)/Sr. Manager/(E/M)-I/E.T./2026-27

Bidder Name :						
PRICE SCHEDULE						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
NUMBER #	TEXT #	NUMBER R #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT Incl. Taxes	TOTAL AMOUNT In Words
1	2	4	5	6	53	55
1	Supply and fixing of Mast Nut, Bolt & templates suitable for 30 Mtr High mast. Complete in all respects as per direction of E/I.	10.0	Job	25962.36	259623.60	INR Two Lakh Fifty Nine Thousand Six Hundred & Twenty Three and Paise Sixty Only
2	Supply and fixing of Winch Machine assembly suitable for 30 Mtr High mast. Complete in all respects as per direction of E/I.	10.0	Job	31575.62	315756.20	INR Three Lakh Fifteen Thousand Seven Hundred & Fifty Six and Paise Twenty Only
3	Supply and fixing of SS Rope Wire 16Mtr/30 Mtr High mast. Complete in all respects as per direction of E/I. (AOR)	1500	Mtr	126.26	189390.00	INR One Lakh Eighty Nine Thousand Three Hundred & Ninety Only
4	Supply and fixing of Head Frame with Pulley suitable for 16Mtr/30 Mtr High mast. Complete in all respects as per direction of E/I.	10	Job	21401.66	214016.60	INR Two Lakh Fourteen Thousand & Sixteen and Paise Sixty Only
5	Supply and fixing of Window Door/Cover size as per 16Mtr/30 Mtr High mast made of 3mm thick MS Sheet with 2 Nos heavy duty lock shutter type incl. hinged. Complete in all respects as per direction of E/I.	8	Job	4911.16	39289.28	INR Thirty Nine Thousand Two Hundred & Eighty Nine and Paise Twenty Eight Only
6	Hiring charges of Mobile Hydraulic Crane 35 tonne capacity (173HP) including fule and other T & P for shifting of Pole from One site to other site as per direction of E/I.	130.00	Hr.	3124.90	406237.00	INR Four Lakh Six Thousand Two Hundred & Thirty Six and Paise One Hundred Only
7	Supply and fixing of Mast Nut, Bolt & templates suitable for 16 Mtr High mast. Complete in all respects as per direction of E/I.	10	Job	17541.88	175418.80	INR One Lakh Seventy Five Thousand Four Hundred & Eighteen and Paise Eighty Only
8	Supply and fixing of Winch Machine suitable for 16 Mtr High mast. Complete in all respects as per direction of E/I.	20	Job	26033.16	520663.20	INR Five Lakh Twenty Thousand Six Hundred & Sixty Three and Paise Twenty Only
9	Dismantling of 30 Mtr Height High Mast with the help of Crane/Hydra and required labour T&P etc. Complete in all respect . As per direction of E/I.	4	Job	24532.20	98128.80	INR Ninety Eight Thousand One Hundred & Twenty Eight and Paise Eighty Only
10	Fixing of 30 Mtr Height High Mast with the help of Crane/Hydra and required labour T&P etc. on existing foundation. Complete in all respect . As per direction of E/I.	4	Job	27258.00	109032.00	INR One Lakh Nine Thousand & Thirty Two Only
11	Dismantling of 16 Mtr Height High Mast with the help of Crane/Hydra and required labour T&P etc. Complete in all respect . As per direction of E/I.	6.00	Job	13629.00	81774.00	INR Eighty One Thousand Seven Hundred & Seventy Four Only
12	Fixing of 16 Mtr Height High Mast with the help of Crane/Hydra and required labour T&P etc. on existing foundation. Complete in all respect . As per direction of E/I.	6.00	Job	14991.90	89951.40	INR Eighty Nine Thousand Nine Hundred & Fifty One and Paise Forty Only
13	Supplying and laying of aluminium conductor PVC insulated armoured, served, sheathed cable 1100 Volts grade at a depth of 750 mm. below					

	ground level over a cushion of 75 mm. thick sand around and protected with burnt bricks on sides and on top. On surface the cable run shall be fixed on M.S. Clamps etc. of suitable size or as directed by the Engineer-Incharge, complete in all respects. the armouring of the cable shall be properly connected with the earth conductor by clamps etc. (Grandlay, Skytone,Gloster, KEI, Havell's make)					
13.01	(a) 16 Sq.mm. x 4Core (PS No. 501)	3010	Mtr.	404.74	1218267.40	INR Twelve Lakh Eighteen Thousand Two Hundred & Sixty Seven and Paise Forty Only
14	S/F of cable Lug(socket) to the cable lead. Complete in all respects as per PS No. 504					
14.01	a)- 16 sq. mm	846	Nos.	24.78	20963.88	INR Twenty Thousand Nine Hundred & Sixty Three and Paise Eighty Eight Only
15	Supply and burring of Safe Earthing Electrode T-19 (Hot Dip Galvanized), Length up to 3000mm, outer pipe 50mm, inner pipe 25, terminal Dia 12 mm, outer GI pipe of 16 swg and inner GI pipe of 12 swg with Hot Dip Galvanization up to 100 micron filled with crystalline conductive mixture (CCM) having anti corrosive & conductive property with 50 kgs activated soil (BFC) capable of reducing the soil resistivity with good mixture of retaining capacity along with 30cm square C.I. frame with hinged cover & masonry husing (from electrode terminal to switch board, cost of 25 x 3 G.I . strip will be extra) Make: As approved in U.P. P.W.D., & C.P.R.I. Certified.(P.S. No 725B)	12	Nos.	11847.20	142166.40	INR One Lakh Forty Two Thousand One Hundred & Sixty Six and Paise Forty Only
16	Supply and laying of 25mm x 3mm G.I. strip from earth electrode directly in the ground as required complete in all respect. .(P.S. No 716)	150.00	Mtrs	106.20	15930.00	INR Fifteen Thousand Nine Hundred & Thirty Only
17	Supply and fixing of 25A Amp TPN capacity of automatic street light cubical control panel painted with anti corrosive alkali and acid proof paint crossing of time switch TSO 100 series with contractors, HRC fuse, isolating swtich metering instrument & instrument box with CTs etc. in case of TPN, Complete in all respects. as per PS No. 807e	8	Nos.	31270.00	250160.00	INR Two Lakh Fifty Thousand One Hundred & Sixty Only
18	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil. (AOR)	15.00	cum	171.02	2565.30	INR Two Thousand Five Hundred & Sixty Five and Paise Thirty Only
19	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level -a)- 1:3:6 (1 Cement : 4 coarse sand(zone-III) : 8 graded stone aggregate 40 mm nominal size).(AOR)	15.00	cum	7158.22	107373.30	INR One Lakh Seven Thousand Three Hundred & Seventy Three and Paise Thirty Only
20	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone	15.00	cum	9964.40	149466.00	INR One Lakh Forty Nine Thousand Four Hundred & Sixty Six Only

	aggregate 20 mm nominal size). (AOR)					
21	Location and pin pointing of 11 KV HT cable fault exposing the same in the underground 11KV HT cable including digging of trench upto the depth of the cable. Cutting the faulty cable and sealing of the faulty cable by providing fault location machine with operator (Cable fault locator) Complete in all respects as per direction of Engineer in charge (AOR)	24.00	Nos.	6837.00	164088.00	INR One Lakh Sixty Four Thousand & Eighty Eight Only
22	Repairing of 11KV fuse wire/Jumper i/c supply and fixing of required size conductor, fuse wire of 11KV Line/DP structure of Transformer by taking shutdown from UPPCL Department with all safety instruments like-safety belt, Gloves, shoes and other necessary items complete including all taxes.	24	Nos.	2855.00	68520.00	INR Sixty Eight Thousand Five Hundred & Twenty Only
23	Supply, laying and fixing 2x1.5 Sqmm copper conductor PVC Flexible cable complete in all respect as per direction of E/I.	312	Mtr.	35.00	10920.00	INR Ten Thousand Nine Hundred & Twenty Only
24	Supply and laying 2.5 Sqmm 4 Core PVC insulated copper conductor control cable for Highmast Pole complete in all respect as per direction of E/I.	462	Mtr.	158.00	72996.00	INR Seventy Two Thousand Nine Hundred & Ninety Six Only
25	Supply and fixing of fibre Junction Box suitable for 16Mtr/30 Mtr High mast. Complete in all respects as per direction of E/I.	46	Job	2105.12	96835.52	INR Ninety Six Thousand Eight Hundred & Thirty Five and Paise Fifty Two Only
26	Location and pin pointing of LT cable fault exposing the same in the underground LT cable including digging of trench upto the depth of the cable. Cutting the faulty cable and sealing of the faulty cable, by making experts technical staff. Complete in all respects as per direction of Engineer in charge (AOR)	30.00	Nos.	2327.00	69810.00	INR Sixty Nine Thousand Eight Hundred & Ten Only
Total in Figures					4889342.68	INR Forty Eight Lakh Eighty Nine Thousand Three Hundred & Forty Two and Paise Sixty Eight Only
Quoted Rate in Figures			Select		0.0000	INR Zero Only
Quoted Rate in Words		INR Zero Only				