



# NOTICE INVITING E- TENDER

TERMS & CONDITIONS OF e TENDER

OFFICE OF THE COUNCILLORS  
**BUDGE BUDGE MUNICIPALITY**

71, M.G. ROAD, BUDGE BUDGE,  
SOUTH 24 PARGANAS  
KOLKATA – 700 137



FAX: 033 2470-1540

OFFICE OF THE COUNCILLOR  
**BUDGE BUDGE MUNICIPALITY**

PH: (033) 2470-1885/1224

71, M.G.Road, Budge Budge, S 24 Parganas, Kolkata-700 137

Web site: [www.budgebudgemunicipality.org](http://www.budgebudgemunicipality.org) & Email ID : [chairmanbbm@gmail.com](mailto:chairmanbbm@gmail.com)

Memo. No. -

Dated: -

Tender ID: -2018\_MAD\_172640\_1

Ref No: - BBM/PWD/e-Tender/08/2018-19, 2<sup>nd</sup> call

Dated: - 23-05-2018

The Chairperson, Budge Budge Municipality, on behalf of Board of the Councilors of Budge Budge Municipality, 71, M. G. Road, Kolkata – 700 137, invites e-Tender (Electronic Tender) from the eligible, resourceful, experienced & bona-fide contractors as per the enclosed underneath scheme of works.

SL NO	Name of Work	Estimated Amount in ₹	Earnest Money (2%) in ₹	Period of Completion	FUND	Cost of Tender Paper
1.	Protection of Municipal Water Bodies Estimate for Implementation of Eucalyptus Bullad Pile work of Budge Budge Municipality under GCM	₹ 60,54,400/-	₹ 1,21,088/-	60 Days	Green City Mission	₹ 5,000/-
Date of Closing of Submission of BID (Online)				08-06-2018 up-to 18:00 Hours		

All other details are available in the office of the undersigned in any working day or visit the office website

[www.wbtenders.gov.in](http://www.wbtenders.gov.in) .

Chairperson

Budge Budge Municipality

Memo No. -

Date –

**Copy forwarded for information and broad publication in his/her notice board to-**

1. The Joint Secretary to the Govt. of WB,UD & MA , Green City Mission, Nagarayan, DF-8, Sector-I, Salt Lake,Kol-700 064
2. The Executive Engineer, KMDA, Green City Mission, Nagarayan, DF-8, Sector-I, Salt Lake,Kol-700 064
3. The Executive Engineer,24 Pgs Div-2, Municipal Engineering Directorate, Bikash Bhawan, Bidhannagar, Kolkata-700 091
4. The Assistant Engineer, 24 Pgs Div-2, Municipal Engineering Directorate, Bikash Bhawan, Bidhannagar, Kolkata-700 091
5. The District Magistrate, S 24 Pgs, Alipur,Kolkata-700027
6. The Sub-Divisional Officer, Alipur Sadar, S 24 Pgs, Kolkata-700027
7. The BDO, Budge Budge-I, Budge Budge, S 24 Pgs,Pujali.
8. The Vice-Chairman, Budge Budge Municipality, Budge Budge, S 24 Pgs.
9. Smt. Pampa Ghosh, President, PWD standing committee, Budge Budge, S 24 Pgs.
10. The Executive Officer, Budge Budge Municipality, Budge Budge, S 24 Pgs
11. The Finance Officer, Budge Budge Municipality, Budge Budge, S 24 Pgs.
12. The Overseer, Budge Budge Municipality, Budge Budge, S 24 Pgs.
13. The ITC with a request to upload in the official website as well as email to the all officials mention above.
14. Sri Nishikanta Saha, Clerk, P.W.Dept., Budge Budge Municipality to file the O/C.
15. Notice Board, Budge Budge Municipality for wide circulation.

Chairperson

Budge Budge Municipality

## DETAILED NOTICE INVITING e-TENDER

Ref No: - BBM/PWD/e-Tender/08/2018-19, 2<sup>nd</sup> call

Dated: -23-05-2018

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Date of Closing of Submission of BID (Online)				08-06-2018 up-to 18:00 Hours		

2. In the event of e-filling, intending bidder may download the tender documents from the website: <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate & necessary payment of EarnestMoney should be remitted online either by 'Net Banking' (having their account any listed bank with such facility) through ICICI Bank Payment Gateway, or through RTGS/NEFT, using online pre-filled challans generated in the system of State Government e-Procurement portal [www.wbtenders.gov.in](http://www.wbtenders.gov.in)
3. Both Technical bid and Financial Bid are to be submitted in technical (Statutory & Non- Statutory) and financial folder concurrently duly digitally signed in the website <http://wbtenders.gov.in>. The Technical Bid and Financial Bid are to be submitted online within the time limit mentioned in the NIT. The documents submitted by the bidders should be properly indexed & digitally signed.
4. The intending tenderers are required to quote the rate online only. No offline tender will be entertained.
5. Contract documents, specification, terms & condition, schedule of various items of work along with condition of contract as laid down in W.B. F. No. 2911(i) 2911(ii) are to be strictly adhered to by the tenderers and for classification, if any, the same may be obtained from office of the Budge Budge Municipality, P.W. Dte, at 71, M.G. Road, Budge Budge, Kolkata-700137 during office hours of all working days up to 4:00 pm.
6. Non-submission of Earnest Money will lead to rejection of tender.
7. The security deposit will be deducted @ 10 % from progressive bill as per standing P.W.D. Rule.
8. FINANCIAL OFFER of the prospective tenderer will be considered only if the tenderer qualifies in the Technical Bid. Decision of the Tender Evaluation Committee will be final absolute and binding in this respect. The list of Qualified Bidders will be displayed in the website when shortlisted.
9. Where there is a discrepancy between the unit rate & total amount resulting from multiplying unit rate by the quantity, the unit rate quoted shall override.
10. Bids shall be remaining valid for a period not less than 120 (One hundred twenty) days after opening of Financial Bid. If the bidder withdraws the bid during the validity period of bid without sufficient reason, the earnest money as deposited will be forfeited forthwith and the bidder would be debarred for a period of one year, from participating any tender.
11. Intending Bidders should clearly understand that whatever may be the outcome of the present invitation of Bids, no cost of Bidding shall be reimbursable by the Department. Tender Evolution Committee, Budge Budge Municipality reserves the right to reject any or all of the Bid Documents and offer rate without assigning any reason whatsoever and is not

liable for any cost that might have been incurred by the tenderer at any stage of Bidding.

12. Contractor shall have to comply with the provisions of (a) the contract labour (Regulation Abolition) Act. 1970 (b)Apprentice Act. 1961 and (c) minimum wages Act. 1948 and allied notification thereof or any other laws relatingthereto and the rules made and order issued there under from time to time.
13. During the scrutiny, if it comes to the notice of the tender inviting authority that the credential(s) and/or any otherpaper(s) of any bidder found incorrect/ manufactured/ fabricated, that bidder will not be allowed to participate inthe tender and that application will be out rightly cancelled without assigning any reason thereof. The Tender Evaluation Committee, Budge Budge Municipality, reserves to right to cancel the N.I.T. and no claim in this respectwill beentertained.
14. In case of any objection regarding prequalifying of an Agency that should be lodged to the Chairperson within1 (one) day from the date of publication of the list of qualified agencies and beyond that time schedule no objectionwill be entertained.
15. The tender inviting authority may verify hardcopy of credential(s) and/or all other document(s) of the tenderers, if itis felt necessary as per opinion of TIA. (i.e. Tender Inviting Authority)
16. On verification, if it is found that the document(s) submitted by the tenderer is/are either manufactured or false, nowork order will be issued in favour of said Tenderer.
17. Acceptance of the tender vests with the TIA.
18. No Departmental materials like cement/steel would be supplied to contractor. Other materials should have gotapproved by the Engineer-in-charge before use for the work. Proof of purchase of the construction materials are tobe produced without fail. Rejected materials, if any shall be cleared from the site within 48 (forty-eight) hours ofrejection.
19. The current documents are required for different category of contractors: -

A	<b>For all bidders</b>	<ol style="list-style-type: none"> <li>i. Copy of Trade License from the respective Municipality, Panchayat etc.</li> <li>ii. Copy of PAN Card</li> <li>iii. Copy of last return submitted to updated IT submitted to ministry of Income Tax, Govt of India &amp; Acknowledgement receipt for assessment year 2016-17.</li> <li>iv. Profession Tax, Challan &amp; Clearance Certificate for the year 2017-18</li> <li>v. Valid 15 Digit GSTIN under GST Act,2017.</li> <li>vi. Credential certificate issued by the Executive Engineer or equivalent or competent authority of a State/Central Govt., State/Central Govt., Undertakings, Statutory/Autonomous bodies constituted under the Central/State statute, on the executed value of completed/running work will be taken as credential. <b>(Payment Certificate will not be treated as credential).</b> (04-A/PW/O/10C-02/14, dated 18-03-2015).</li> <li>vii. <b>Power of attorney, if any.</b></li> <li>viii. The Bidder must have valid Electrical Contractors License with Electrical Supervisor holding Valid Supervisor Competency Certificate (SCC) or equivalent "National Supervisors" as per I.E. Rules. Supervisor should be available at site as and when required. <b>(In case of Electrical work)</b></li> </ol>
B	<b>For Registered Unemployed Engineers' Co- Operative Societies and labour Co- Operative Societies: -</b>	<ol style="list-style-type: none"> <li>i. All as indicated above and Valid Bye Law Audit Report for previous Financial Year i.e.2016-17</li> </ol>
C	<b>Credential need to be furnished as follows:</b>	<ol style="list-style-type: none"> <li>1. <b>For first call of NIT:</b> Intending tenderers should produce credentials of a similarnature of completed work of the minimum value of 40% of the estimated amount put to tender during 5(five) years prior to the date of issue of the tender notice; or,Intending tenderers should produce credentials of 2(two) similar nature</li> </ol>

of completed work, each of the minimum value of 30% of the estimated amount put to tender during 5(five) years prior to the date of issue of the tender notice; or, Intending tenderers should produce credentials of one single running work of similar nature which has been completed to the extent of 80% or more and value of which is not less than the desired value at (i) above; In case of running works, only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executed agency, i.e., the tenderer.

2. **For 2nd Call of NIT:** Intending tenderers should produce credentials of a similar nature of completed work of the minimum value of 30% of the estimated amount put to tender during 5(five) years prior to the date of issue of the tender notice; or, Intending tenderers should produce credentials of 2(two) similar nature of completed work, each of the minimum value of 25% of the estimated amount put to tender during 5(five) years prior to the date of issue of the tender notice; or, Intending tenderers should produce credentials of one single running work of similar nature which has been completed to the extent of 75% or more and value of which is not less than the desired value at (i) above; In case of running works, only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executing agency, i.e., the tenderer.
3. **For 3rd call of NIT:** i) Intending tenderers should produce credentials of similar nature of completed work of the minimum value of 20% of the estimated amount put to tender during 5(five) years prior to the date of issue of the tender notice; or, ii] Intending tenderers should produce credentials of one single running work of similar nature which has been completed to the extent of 70% or more and value of which is not less than the desired value at (i) above; In case of running works, only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executing agency, i.e., the tenderer.
4. Other terms and conditions of the credentials: -
  - i) Payment certificate will not be treated as credential;
  - ii) Credential certificate issued by the Executive Engineer or equivalent or competent authority of a State/ Central Government, State /Central Government undertaking, Statutory/ Autonomous bodies constituted under the Central/ State statute, on the executed value of completed/ running work will be taken as credential. Vide Notification No. **04-A/PW/0/10C-02/14 dated: 18.03.2015.** [Non-Statutory documents]

20. Registered Partnership Deed for Partnership Firm is to be submitted. The company shall furnish the Article of Association and Memorandum. Where an individual person holds a digital certificate in his own name duly issued to him by

the company or the firm of which he happens to be a director or partner, such individual person, either belonging to an appropriate cadre officer of the company or an authorized partner of a firm, having a registered power of attorney empowered by the Board or by the firm, shall invariably upload a copy of registered power of attorney showing clear authorization in his favour, to upload such tender. The power of attorney shall have to be registered in accordance with the provisions of the Registration Act, 1908. **[Non-statutory documents]**

21. The intending tenderers are required to quote the name of the farm, the rate in figures and the sign to signify above (+) or below (-) at the specified place on the BOQ.
22. Conditional and incomplete tender will be rejected straightway.
23. Issuance of work order as well as payment will depend on availability of fund and no claim whatsoever will be entertained for delay of Issuance of work order as well as payment, if any. Intending tenderers should consider these factors while quoting their rates.
24. Income Tax will be deducted from each bill of the contractor as per applicable rate and rules in force. Necessary deduction for GST will be made as per GST Act, 2017.
25. A cess of 1% (one percent) will be deducted from contractor's bill on account of the 'Building and other construction workers Welfare Cess Act, 1996 (Act 28 of 1996) as per memo. no. 599A/4M-28/06 dt. 27.09.2006 of the Engineer-in-chief and Ex. Officio Secretary, PWD & PW (Roads) Deptt.
26. Successful Tenderers will be required to obtain valid Registration Certificate & Labour License from respective Regional Labour Offices where construction work by them are proposed to be carried out as per Clauses u/s 7 of West Bengal Building & other Construction Works' Act, 1996 and u/s 12 of Contract Labour Act.
27. Power of Attorney holders are not allowed to sign Tender Documents unless otherwise approved by Government.
28. The lowest bidder who participated in the tender, & failed to submit the EMD offline/online within the stipulated date and time, may be taken as a person trying to disturb the tendering process and he would be dealt with accordingly (legally) including blacklisting as per **G.O No. 2254-F(Y) dt.24.04.2014**.
29. Clause-25 of the conditions of contract of the West Bengal Form No. 2911/2911(ii) may be treated as an omitted one and there is no provision for arbitration for resolution of disputes that may arise out of the contracts to be entered into by the Department with the contractors for the purpose of carrying out execution of public works as per G.O No. 558/SPW dated 13-12-2011 of P.W.D.
30. Successful tenderers will have to produce original Earnest money and other documents in original for verification prior to issuance of Work Order.
31. Successful tenderers will be required to observe the following conditions strictly:
  - a) Employees' Provident Fund and Miscellaneous Provisions Act, 1952 and Employees State Insurance Act, 1948 should be strictly adhered to wherever such Acts become applicable.
  - b) Minimum wages to the workers shall be paid according to the rates notified and/or revised by the State Government from time to time under the Minimum Wages Act, 1948 in respect of scheduled employments, within the specified time as per law. Payment of bonus, wherever applicable, has to be made.
  - c) Adequate safety and welfare measures must be provided as per the provisions of the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act, 1996 read with West Bengal Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Rules, 2004.
  - d) All liabilities arising out of engagement of workers are to be duly met up before submission of bills for payment.
32. If there is any violation of any or all the relevant above criteria during execution of the job, it will render the concerned agencies ineligible for the work then and then or at any subsequent stage as may be found convenient.
33. **Defect Liability Period:** Clause -17 of the conditions of the contract of the Printed Tender Form W.B. form No.2911(i)/2911(ii) shall be substituted by following:
  - (1) 'Clause 17- if the contractor or his workman or servants or authorised representatives shall break, defence, injure, or

destroy any part of building, in which they may be working, or any building, road, road-curbs, fence, enclosure, water pipes, cables, drains, electric or telephone posts or wires, trees, grass or grassland or cultivated ground contiguous to the premises, on which the work or any part of it is being executed, or if any damage shall happen to the work from any cause whatsoever or any imperfection become apparent in it at any time whether during its execution or any imperfection become apparent in it at any time whether during its execution or within a period of **three months or one year or three years or five years, as the case may be (depending upon the nature of the work as described in the explanation appended hereto) hereinafter referred to as the Defect Liability Period**, from the actual date of completion of work as per completion certificate issued by the Engineer-in-charge, the contractor shall make the same good at his own expense, or in default, the Engineer-in-charge may cause the same to be made good by other workmen and deduct the expense (of which the certificate of the Engineer-in-charge shall be final and binding on all concerned) from any sums, whether under this contract or otherwise, that may be then, or at any time thereafter become due to the contractor from the Government or from his security deposit, either full, or of a sufficient portion thereof and if the cost, in the opinion of the Engineer-in-charge (which opinion shall be final and conclusive against the contractor), of making such damage or imperfection good shall exceed the amount of such security deposit and /or such sums, it shall be lawful, for the Government to recover the excess cost from the contractor in accordance with the procedure prescribed by any law for the time being in force. Provided further that the Engineer-in-charge shall pass the **"Final Bill"** and certify thereon, within a period of **thirty days** with effect from the date of submission of the final bill in **acceptable form** by the contractor, the amount payable to the contractor under this contract and shall also issue a separate completion certificate mentioning the actual date of completion of the work to the contractor within the said period of **thirty days**. The certificate of the Engineer-in-charge whether in respect of the amount payable to the contractor against the **"Final Bill"** or in respect of completion of work shall be final and conclusive against the contractor. However, the security deposit of the work held with the Government under the provision of **Clause-1** hereof shall be refundable to the contractor in the manner provided here under:-

(a) For work with **three months Defect Liability Period**:

i) **Full** security deposit shall be refunded to the contractor on expiry of **three months** from the actual date of completion of the work.

(b) For work with **One year Defect Liability Period**:

i) **Full** security deposit shall be refunded to the contractor on expiry of **one year** from the actual date of completion of the work.

(c) For work with **three years Defect Liability Period**:

i) **30%** of the security deposit shall be refunded to the contractor on expiry of **two years** from the actual date of completion of the work;

ii) The balance **70%** of the security deposit shall be refunded to the contractor on expiry of **three years** from the actual date of completion of the work;

(d) For work with **five years Defect Liability Period**:

i) **No** security deposit shall be refunded to the contractor for 1st 3 years from the actual date of completion of the work;

ii) **30%** of the security deposit shall be refunded to the contractor on expiry of **four years** from the actual date of completion of the work;

iii) The balance **70%** of the security deposit shall be refunded to the contractor on expiry of **five years** from the actual date of completion of the work;

**Explanation:** The word **"work"** means and includes road work, bridge work, building work, sanitary and plumbing work, electrical work and / or any other work contemplated within the scope and ambit of this contract. For

(i) The work of patch repair or patch maintenance in nature or a combination thereof, the Defect Liability Period of the work shall be **three months** from the actual date of completion of the work.

(ii) Thorough Bituminous Surfacing work with bituminous thickness less than 40 mm, Repair & Rehabilitation of any road/ bridge/ culvert/building/ Sanitary & Plumbing work, the Defect Liability Period of the work shall be **one year** from the actual date of completion of the work;

(iii) Extension of building/ bridge/ culvert, Construction of new flexible pavement up to bituminous level which has been designed for a period of 3 years or more, Widening and strengthening of flexible pavement designed for a period of 3 years or more, Improvement of riding quality/ Strengthening of flexible pavement designed for a period of 3 years or more; Providing only mastic asphalt layer over existing bituminous surface without providing bituminous profile corrective course/ bituminous base course, the Defect Liability Period of the work shall be **three years** from the actual date of completion of the work;

(iv) Construction of new building/ new bridge/ new culvert, Reconstruction of building/bridge/culvert including construction of approach roads for bridge/culvert, Construction of rigid pavement, Reconstruction of rigid pavement, Construction of new flexible pavement covered by mastic work which has been designed for a period of 5 years or more, Widening and strengthening of flexible pavement covered by mastic work which has been designed for a period of 5 years or more, Improvement of riding quality/ Strengthening of flexible pavement covered by mastic work which has been designed for a period of 5 years or more, the Defect Liability Period of the work shall be **five years** from the actual date of completion of the work;

(2) The following paragraph shall be added to the **Interpretation Clause** of **CONDITIONS of CONTRACT**:-

"The word 'Government' means the Government of the State of West Bengal in Public Works Department." (Ref. Notification No. **5784-PW/L&A/2M-175/2017** dt. 12.09.2017 of Principal Secretary P.W.D., Govt. of W.B.)

34. Suspension and Debarment of Contractor, Supplier and Consultant participating for public works under Public Works Department will be done in terms of Memorandum no. 547-W(C)/1M-387/15 dated 16.11.2015.
35. Escalation of price on any ground and consequence cost overrun shall not be entertained under any circumstances. Rate should be quoted accordingly.
36. No extension of time will be allowed after completion of the stipulated date except under special circumstances.
37. If the dates fall on holidays or on days of bandh or natural calamity, the dates defer to next working days.
38. In case of inadvertent typographical mistake found in the specific price schedule of rates, the same will be treated to be so corrected as to conform to the prevailing relevant schedule of rates and / or technically sanctioned estimate.
39. No interest would be paid on the performance Security Deposit or earnest money or any other deposit.
40. Submission of false document by tenderer is strictly prohibited & if anybody found to do so, such action may be referred to the appropriate authority for prosecution as per relevant IT Act with forfeiture of earnest money forthwith.
41. If any tenders withdraw his tender before acceptance or refused without having any satisfactory explanation of such withdrawal, he shall be disqualified for making such tender to this department for a minimum period of one year.
42. The accepting authority does not bind him to accept the lowest tender and reserves the right to reject any or all tenders without assigning any reason.
43. Tenderers quoting un-workable & absurd rates in tender will be treated as informal & liable to be rejected.
44. Canvassing in connections with the tenders strictly prohibited & the tenders submitted by the Contractor who are in respect of canvassing will be liable to rejection.
45. The contractors must satisfy to the department about the payment of their income Tax & Sales Tax & other Commercial Taxes. Necessary challans & Clearance Certificate from Income Tax Officer & Commercial Tax Officers need to be submitted when asked for.
46. The notice inviting tender will also form a part of the Tender.
47. Tenderers should also please note that as soon as the work order will be issued, the site will be made available to them and the work need be started immediately.
48. Notwithstanding anything contained in this notice inviting tender, the other terms and conditions as laid down in the



guideline of PWD and Government of West Bengal will be binding upon all concerned.

**49. Date and Time Schedule:**

SI No	Particulars	Date & Time
	Date of uploading of NIT, and Tender Documents online (Publishing Date)	25-05-2018
	Document downloaded / sell start date (online)	26-05-2018 at 10:00 Hour
	Bid submission start date ( on line)	26-05-2018 at 10:00 Hour
	Documents download/sell end date (online)	08-06-2018 at 18:00 Hour
	Bid Submission closing date (online)	08-06-2018 at 18:00 Hour
	Tender opening date for Technical proposals (on line)	13-06-2018 at 12:00 Hour
	Date of uploading list for Technically Qualified Tenderers (on line)	To be notified later

## SECTION-“A”

### INSTRUCTION TO BIDDERS

#### General Guidance for e-Tendering :

Instruction /guidelines for electronic submission of the tenders have been annexed for assisting the contractors to participate in e-tending.

**1. Registration of contractor:**

Any contractor willing to take part in the process of e-tending will have to be enrolled and registered with the Government e-procurement system; through logging on to <http://wbtenders.gov.in> (the portal of tenders of Government of West Bengal) the contractor is to click on the link for e-tendering site as given on the web portal.

**2. Digital Signature Certificate (DSC):**

Each contractor is required to obtain a Class-II or Class –III Digital Signature Certificate (DSC) for submission of tenders from the approved service provider of the National Informatics Centre (NIC) on payment of requisite amount. Details are available at the Web Site stated in Clause A.1. above. DSC is given as a USB e- Token.

**3. Search & Download:**

The contractor can search and download N.I.T. & Tender Document(s) electronically from computer once he logs onto the web site mentioned in Clause A.1 using the Digital Signature Certificate. This is the only mode of obtaining tender documents. Search, view and download could be done as guest viewer.

**4. Participation in one work as more than one bidder:**

A prospective bidder shall be allowed to participate in the job either in the capacity of individual or as a partner of a firm. If found to have applied severally in a single job all his applications will be rejected for that job.

**5. Submission of Tenders:**

Tenders are to be submitted through online to the website stated in Clause A.1 in two folders at a time for each work, one in Technical proposal & the other is Financial Proposal before the prescribed date and time using the Digital Signature Certificate (D.S.C.). The documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed in to non-readable formats).

**A. Technical Proposal**

The Technical proposal should contain scanned copies of the following in two cover (folder).

**I. Statutory Cover containing the following documents:**

Sl.	Details of Documents
i.	Prequalification Application (Sec-B, Form-I)
ii.	Affidavit "Y"
iii.	Structure and Organisation (Sec-B, Form-II)
iv.	Contractor's Equipment (Sec-B, Form-III)
v.	Experience Profile (Sec-B, Form-IV)
vi.	Payment of Earnest Money should be remitted online either by 'Net Banking' (having their account any listed bank with such facility) through ICICI Bank Payment Gateway, or through RTGS/NEFT, using online pre-filled challans generated in the system of State Government e-Procurement portal <a href="http://www.wbtenders.gov.in">www.wbtenders.gov.in</a>
vii.	Tender Form No. 2911(ii) & N.I.T. (downloaded properly and upload the same Digitally Signed). The rate will be quoted in the B.O.Q. Quoted rate will be encrypted in the B.O.Q. under Financial Bid. There is no provision for quoting rate / any other information in the tender document / NIT. In case quoting any rate in tender Form No. 2911(ii), the tender is liable to be summarily rejected.
viii.	Special terms & conditions and specification of works.

**II. Non- Statuary Cover Containing the following documents :**

Sl. No	Category Name	Sub-Category Name	Details of Document Submitted.
i.	Certificate(s)	Certificate(s)	a. Professional Tax (PT) deposit receipt Challan for the financial year 2017-18, b. Pan Card, c. IT, Saral for the Assessment year 2016-2017. d. GSTIN, GST Act, 2017
ii.	Company Details	Company Details-I	a. Registration Certificate under Company Act. (if any). b. Trade License issued by Municipality/ Panchayat. c. Registered Deed of Partnership Firm/Article of Association & Memorandum. d. Registered power of Attorney (For Partnership Firm/Private Limited Company).
		Company Details-II	i. Validity clearance certificate from A.R.C.S. are to be submitted by the Registered Labour Co-operative and Engineers Co-operative Societies. ii. Resolution copy of Annual General Meeting (where power has been delegated to the Society member on behalf of the respective society to use Digital Signature Card), Registration Certificate/Bye Laws issued by the Co-operative Department to the respective Societies are to be submitted by the Registered Unemployed Engineers' Co-operative Societies and Registered Labour Cooperative Societies.
iii.	Credential	Credential	The prospective bidders shall have, attested photocopies /Original documents of credentials showing satisfactory completion of similar nature in a single work as stated in Sl. 19.C of this NIT
iv.	Financial Information	Audit Report / Profit & Loss A/C and Balance Sheet (Last 3 years)	Registered Unemployed Engineers' Co-operative Societies and Registered Labour Co-operative Societies must furnish Audit Report audited by the Co-operative Department with fees Challan.

**Note:** Failure of submission of any of the above-mentioned documents (as stated in 5/A/I & 5/A/II) will render the tenderer liable to summarily rejected for both statutory and non-statutory cover.

**B. Tender Evaluation:**

- i. Opening & evaluation of tender: No exemption is allowed from payment of EMD,
- ii. Opening of Technical proposal: Technical proposal will be opened by the TIA.
- iii. Intending tenderers may remain present if they so desire.
- iv. Cover (folder) for statutory documents should be open first & if found order, cover (folder) for non-statutory documents will then be opened. If there is any deficiency in the statutory documents the tender will summarily be rejected.
- v. Decrypted (transformed in to readable format) documents of the non-statutory cover will be downloaded & handed over to the tender evolution committee.
- vi. Summery list of technically qualified tenderers will be uploaded online.
- vii. Pursuant to scrutiny & decision of the TIA, the summery list of eligible tender & the serial number of work for which their proposal will be considered will be uploaded in the web portals.

viii. During evaluation the TIA, may summon of the tenderers & seek clarification / information or additional documents or original hard copy of any of the documents already submitted & if these are not produced within the stipulated time frame, their proposals will be liable for rejection.

**C. Financial proposal:**

- i. The financial proposal should contain the following documents in one cover (folder) i.e. Bill of Quantities (BOQ). The contractor is to quote the rate (percentage Above / Below / At Par) online through computer in the space marked for quoting rate in the BOQ.
- ii. Only downloaded copies of the above documents are to be uploaded virus scanned & digitally signed by the contractor.

## SECTION – B

FORM – I

### PRE-QUALIFICATION APPLICATION

(To be furnished on Company's Letter Head)

To,

The Chairperson

Budge Budge Municipality

71, M.G.Road

Budge Budge, S 24 Parganas

Kolkata- 700 137

Ref: Tender for \_\_\_\_\_(Name of work)

Ref. No. BBM/PWD/e-Tender/Dated \_\_\_\_\_

Dear Madam,

Having examined the Statutory, Non-Statutory & N.I.T. documents, I/We hereby submit all the necessary information and relevant documents for evaluation.

The application is made me/us on behalf of \_\_\_\_\_ in the capacity \_\_\_\_\_ duly authorized to submit the order.

The necessary evidence admissible by law in respect of authority assigned to us on behalf of the group of firms for application and for completion of the contract documents is attached herewith.

We are interested in bidding for the work(s) given in enclosure to this letter.

We understand that:

- 1) Tender Inviting & Accepting Authority/Engineer-in-charge can amend the scope & value for the contract bid under this project.
- 2) Tender Inviting & Accepting Authority/Engineer-in-charge reserve to right to reject any application without assigning any reason.

Enclosure(s): e-Filling:

- 1) Statutory Documents.
- 2) Non-Statutory Documents.

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of applicant including title and capacity in which application is made

## SECTION-B

### AFFIDAVIT- "Y"

(To be furnished in Non-Judicial Stamp Paper of ₹ 50/-by duly notarized of 1<sup>st</sup> class judicial Magistrate)

1. I, the undersigned do certify that all the statements made in the attached documents are true and correct. In case of any information submitted is proved to be false or concealed, the application may be rejected and no objection / claim will be raised by the undersigned.
2. The undersigned or any of our constituent partner also hereby certifies that neither our firm nor any of its constituent partners have abandoned any work nor any of our contract have been abandoned or rescinded or blacklisted during the last 5 (five) years. If found, such abandonment or rescission or blacklisted in future, the undersigned or any of our constituent partner will be fully liable and be considered as disqualification towards eligibility and also be rejected at any stage without any prejudice.
3. The undersigned also hereby certifies that neither our firm nor any of its constituent partners have failed to executed more than one works contract under any directorate of Public Works Department and that neither our firm nor any of its constituent partners was terminated by any sub-rule under Clause 3 of Tender Form No. 2911 and that neither our firm.
4. The undersigned would authorize and request any Bank, person, Firm or Corporation to furnish pertinent information as deemed necessary and/or as requested by the Department to verify this statement.
5. The undersigned understands that further qualifying information may be requested and agrees to furnish any such information at the request of The Department.
6. Certified that I have applied in the tender vide NleT Ref. No. ....& Tender ID: - ..... of the Chairperson, Budge Budge Municipality, Budge Budge of S 24 Parganas in the capacity of individual/ as a partner of a firm & I have not applied severally for the same job and also not applied more than two works anywhere per set of required machineries.
7. The undersigned also hereby certifies that the Bid shall remain valid for a period not less than 120 (one hundred twenty) days, after the dead line date for Bid submission.
8. I / we do hereby certify that I shall bring all requisite technical personnel and /or plants/ testing machineries / equipment for all the items of works as per N. I. T. and as per BOQ and as per direction of the Engineer-in-Charge at the time of execution of work at site even if upon technical evaluation I am declared as "qualified" without having all the requisite technical personnel and /or plants/ testing machineries / equipment at the time of submission of tender.

Date:

\_\_\_\_\_  
Signature, name and designation  
Of Authorized Signatory.

For and on behalf of \_\_\_\_\_  
(Name of the Applicant)

## SECTION B

### FORM – III

#### STRUCTURE AND ORGANISATION

(To be furnished on Company's Letter Head)

1. Name of the Applicant: \_\_\_\_\_

2. Office Address: \_\_\_\_\_

\_\_\_\_\_ Telephone No: \_\_\_\_\_ Fax No: \_\_\_\_\_

3. Name and Address of the Bankers :

\_\_\_\_\_  
\_\_\_\_\_

4. Attached an organization chart: \_\_\_\_\_

showing the structure of the company

with name of key personnel and

Technical staff with Bio-data.

Note: Application covers Proprietary Firm, Partnership, Limited Company or Corporation.

\_\_\_\_\_  
Signature of Applicant including title and  
capacity in which applications made.

## SECTION B

### FORM IV

#### EXPERIENCE PROFILE

(To be furnished on Company's Letter Head)

Name of the Firm:- \_\_\_\_\_ Address:- \_\_\_\_\_

List of projects completed that are similar in nature to the works having more than 40% (Forty) percent of the project cost executed during the last 5 (Five) Financial years.

Name of the Employer	Name location & Nature of work	Name of consulting Engineer responsible for supervision	Contract price (₹)	Percentage of participation of Company	Original Date of start of work	Date of commencement	Schedule date of completion	Actual date of completion of work	Reason for delay in completion (if any)

Note:

1. Certificate from the Employers to be attached.
2. Non-disclosure of any information in the Schedule will result in disqualification of the firm. Please fill all the Forms; failing without which the Technical Bid shall be treated as non-responsive.
3. Applicant may add necessary column and space, if required from his/her end.



**SECTION B**  
**FORM V**  
**FINANCIAL STATEMENT**

**B.1** Name of Applicant:

**B.2** Summary of assets and liabilities on the basis of the audited financial statement of the last five financial years.

(Attach copies of the audited financial statement of the last five financial years)

	1st Year (` In lakh)	2nd Year (` In lakh)	3rd Year (` In lakh)	4th Year (` In lakh)	5th Year (` In lakh)
a) Current Assets : (It should not include investment in any other firm)					
b) Current liabilities : (It should include bank over draft)					
c) Working capital : (a) – (b)					
d) Net worth : (Proprietors Capital or Partners Capital or Paid up Capital + Reserve and surplus )					
e) Bank loan/ Guarantee : (As per clause G.2. with all sub clauses)					

**B.3** Annual value of construction works undertaken :

Work in hand i.e. Work order issued	As on 31.03.2017	As on 31.03.2016	As on 31.03.2015	As on 31.03.2014	As on 31.3.2013	As on 31.03.2012

Signed by an authorized officer of the firm

\_\_\_\_\_

Title of the officer

\_\_\_\_\_

Name of the Firm with Seal

Date \_\_\_\_\_

30 % as solvency certificate from any Nationalized Bank.

## SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR AVAILABILITY OF CREDIT FACILITIES

### BANK CERTIFICATE

This is to certify that M/s \_\_\_\_\_ is a reputed company  
reputed company a good financial standing bearing account no. .... with our branch.

If the contract for the work, namely

....., Tender

ID.....dated:- ..... Ref. No..... is

awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of (.....%)`

.....(Rupees.....)only to meet  
their working capital requirements for executing the above contract, if he fulfill our terms & condition of Loan, / O.D.

Signature of Bank Manager

Address of the Bank: -

***N.B.:-Certificate should be on the letter head of the bank.& Certificate should be issued on date after publication of tender.***

#### Check List:

The following documents are to be uploaded at the time of submission of tenders through tendering process.

1. Valid West Bengal GST Registration No. ....
2. Completion certificate along with certificate of payment received for works of similar type and of values as mentioned above individually for the above tenders from an officer not below the rank of Executive Engineer/DDO of the concerned Department.
3. Professional Tax enrollment & updated P tax challan. Please check your turnover & submit Professional Tax accordingly.
4. Annual Profit & Loss Account & Balance Sheet from chartered accountant for last 3 (three) financial years for works up to 25 lakhs & for works beyond 25 lakhs audited balance sheets must be submitted for the last five financial years. The registration number of Chartered Accountant must be prominently shown in the Audit Report.
5. Duly filled Application Form I, Affidavit "Y" from the bidders must be submitted as per sample proforma provided. Structure and Organization Form III, Experience Profile, Financial Statement & Solvency Certificate as per NIT.
6. Credential and Turnover as per Basic Qualification Criteria mentioned above.
7. " GST Registration Certificate"
8. PAN Card No., Provident Fund Certificate, Employees State Insurance Certificate,
9. a) List of ongoing works and ongoing progress certificate with up-to-date financial status to be issued not below the rank of Executive Engineer of the concern department.

## SECTION - C

### SPECIAL TERMS & CONDITIONS

1. All works are to be carried out according to specification for repair or original works in force as per Schedule of rates, P.W. Deptt. Govt. of West Bengal w.e.f. **01.12.2015**.
2. Rate quoted must be inclusive of all taxes & incidental charges. Quotation of rate should be done both in figures & words with full signature of the tenderer.
3. Any bidder who has failed to execute more than one works contract under any Directorate of this department and was terminated by any sub-rule under clause 3 of Tender Form no:- 2911 or terminated under any clause of standard bidding documents by the Engineer-in-charge / Employer during last three years will not be eligible to participate in any bid under any Directorate under this Department for another 2 (Two) years from the date of imposition of last termination notice by the Engineer-in-Charge / Employer.
4. The tender should also note no claim for idle labour or for cost of surplus materials will be entertained, if during progress of work is suspended for the reasons beyond control of the department & if at the same time the remaining portion of work is declared terminated, the Contractor should make his work programme accordingly & arrange for removal of surplus materials from the site at his own cost for which no claim will be entertained.
5. The Contractor shall comply with, provisions of the apprentices act. 1961 & and the rules & order issued amended from time to time, if he fails to do so, his failure will be breach of Contract & the Superintending Engineer, in this description shall cancel the contract. The Contractor shall be liable for any pecuniary liability of anything on account of any violation by him of the provision of Act.
6. In order to offer wide scope of employment among unemployed Engineer, **Degree & Diploma holders**, if has been decided by the Govt. that the following instructions should be followed in the matter of engagement of un-employed Engineer, Degree & Diploma Holder by the bonafide outside Contractors participation in "Open tender" work under P.W.D.
  - i) For work costing of Rs. 50,000/- (Rupees fifty thousand ) & up to Rs. 2,00,000/- (Rupees two lakh) bonafide Contractor irrespective of the fact whether he is a Degree or Diploma holder himself shall engage at least one Diploma holder.
  - ii) For work costing above Rs. 2,00,000/- (Rupees two lakh) & up to Rs. 10,00,000/- (Rupees ten lakh) each bonafide outside Contractor shall engage at least one Degree Holder.
  - iii) For works costing above Rs 10,00,000/- (Rupees ten lakh) up to any limit each bonafide outside Contractor shall engage at least one Degree holder & one Diploma Holder.
  - iv) Authorised Agents or representatives as & when appointed by enlisted Class-II & Class-I Contractors of the Department as well as bonafide as per provisions of the contract of the Department for supervision of work on their behalf should be Degree Holder & Diploma Holder in Engineer.
  - v) In pursuance of above, the successful contractor shall have to satisfy the department with evidence as regards employment of technical personals according to the above direction & to satisfy the department on the above points at the time of purchasing tender.
7. The work approved appearing anywhere in the tender documents mean approved by the Engineer-in-charge.
8. Whenever the work & near the site of work appears in the tender documents these shall mean anywhere within 300 (three hundred) meter the site of work for the proposed construction.
9. All works will have to be done according to the specifications by the Engineer-in-charge before the work is taken up or as modified by him hereinafter. The exhibits appearing there in or tender notice indicate the nature of work to be done.
10. All sorts of tools, plants machineries implements & helper, materials are required for proper execution for the work shall have to be provided by the contractor at his own cost for hire charge, to & from else, depreciation, damage etc. of such tools & plants machineries implements helper, materials etc. would be paid by this department except rate specifically in this

context.

11. The contractor should give all notices & pay all fees required to be given or paid by any statute of any regulations or by laws & local or other statutory which be applicable to the work & shall keep all Govt. servant in dominated against all penalties, liabilities, of every mind of breach of such statute regulation or by laws.

12. The contractor shall comply with contract labour (Regulation & abolition) Act. 1979, read with West Bengal Contract Labour (Regulation & bifurcation) Rules 192 & the rules & other issued there in from time to time. The contractor shall be bound to furnish the Engineer-in-charge will returns particulars by date as are called for from time in connection with the implementation of the same failure of will be breach of contract & Engineer-in-charge may at his discretion take necessary measure over contract.

13. The contractor shall have to submit application for obtaining performance from the appropriate authority as per above act. In prescribed intricate given below along with the application after obtaining the principal Employer's Certificate

14. The rate quoted by a tenderer shall be inclusive of all labour, materials charges & post (including) the freight & transport charges, Sales Tax, Royalty etc.) So as many have to be proper & complete finish including stacking as directed.

15. In case of supply minor minerals, the suppliers have to produce authenticated document regarding payment of Royalty to the appropriate authority before finalization of his/her payment. In case of finalized item involving use of minor mineral the contract has to satisfy the Engineer-in charge about the payment of Royalty of minor minerals before finalization & in running A/C bill, if necessary by production of the authenticated documents of appropriate authority.

16. All rates must be inclusive of cost of all materials unless specified in the contract.

17. All materials will have to be supplied by the contractor by an agreement except for the following which will be made available from department go-down, the rates noted below, the cost will be deducted from the progressive bills, No cost for carriage of ornamental materials from ex departmental go-down, so noted below will be entertained.

18. In the event of any bonafide mistake in the printed cost of schedule, then in that case rate, unit & items will be exclusively covered by P.W.D. Schedule of Rates as valid as on the date of NIT.

19. No extra payment will be paid for mending goods any damages, defects, rectification etc.

20. All materials to be used in work should be of approved quality. The thus lies with the contractor to get the materials approved by the department before procurement of the same.

21. All materials shall be approved by the Engineer-in-Charge and testing charges for all materials shall be borne by the contractor.

22. For Roof treatment work: APP Modified Bituminous Membrane: The security deposit @10% of the executed value shall be retained from the value of work bill till completion of the guarantee period which shall be for a period of 6(Six) years from the date of completion of the work. If any defect observed within the guarantee period the firm shall have to rectify the defect on their own cost very promptly on receipt of report for such type. The 75% of the total security deposit will be refunded after successful completion of 5(Five) years and balance security deposit will be refunded after successfully completion of 6(Six) years.

23. Consumptions of departmental materials will be guided as per provision in the Schedule of rates (P.W.D.) as valid as on the date of NIT.

24. The Contractor should get acquainted with the site condition before submission of tender & no claims regard accessibility of site, accessibility of water etc. will be entertained.

25. In the purpose of clause no. 12 of the agreement from the concerned agency schedule of rates which was in force at the time of acceptance of tender will be applicable.

26. All works are to be done as per general conditions & the general specification the "Circle Schedule" This circle schedule shall mean the P.W.D. Schedule of rates of building works, materials (Pertaining to building works) and Labour which are enforcement in the date of tender opening.

27. If any discrepancy arises between two similar clauses on different notification(s), the clause as stated in later notification

will supersede the former one in the following sequence:-

**All conditions & clauses of W.B.F. 2911 (ii)**

**Special terms & Conditions & Specifications.**

**Notice Inviting Tender**

**Schedule of probable items with approximate quantities.**

**The Circle Schedule as defined in Clause-I therefore**

28. All works covered in the Clauses appearing herein after shall be deemed from a part of the appropriate item or items of works appearing in Schedule of which they relate, whether specifically mentioned in any un-schedule otherwise mentioned than extra payment will not be made for particular works.

## FORM OF APPLICATION FOR OBTAINING LICENCE

01. Name & Address of the Contractor (including his father's name in case of individual)
02. Date of birth & age (In case of individuals)
03. Particulars of establishment where contract labour is to be employed.
  - a) Name & address of the establishment.
  - b) Type of business, trade, industry manufacturer of occupation which is carried on the establishment.
  - c) Number & date of certificate of Registration of the establishment under the Act.
  - d) Name & address of the Principal Employer.
04. Particulars of contract labour
  - a) Nature of work in which contract labour is employed to be employed in the establishment.
  - b) Duration of the proposed contract work (given particulars proposed date of commencement & completion).
  - c) Name & address of the agent or manner or Contractor at the work site.
  - d) Maximum number of labour proposed to be employed in the establishment or any date.
05. Whether contract was convicted of any offence within the proceeding five years if so, give details.
06. Whether there was any order against the contractor removing or suspending license or against security deposit of any earlier contract, if so date of such order
07. Whether the contractor has worked in any other establishment within the post five years, given details of the Principal employer, establishment & nature of work.
08. Whether certificate of the Principal employer in form -V is enclosed.
09. Amount of License fee paid Rs. \_\_\_\_\_
10. Amount of Security Deposit with Treasury receipt no. & dt. \_\_\_\_\_

Chairperson  
Budge Budge Municipality,

### DECLARATION

I do hereby declare that detailed given above are correct to the best of my knowledge and belief.

**Postal Address of the Agency:**

(Signature of the applicant)  
[Contractor]

Signature of the Agency

**The LED Luminaries Manufacturer or authorized representative of the Manufactures should have to furnish the following certificates along with the tender documents :**

1. Manufacture facilitate in India. Factory Registration Certificate should be submit.
2. ISO 9001:2008 certificate to be submit.
3. In house testing lab certification by the manufacturer.
4. LM79 report should be provided by the manufactures from NABL accredited laboratory or UL certification for photometric & electrical testing report.
  - a. LM79 report to be submit alongwith the product batch no. should mention of the supplying material against the current tender.
  - b. At least 100 Lumen per watt efficacy certification of the product.
  - c. Total wattage of the consumption should mention.
5. The manufacturer should submit the Safety Standards as per EN 60598, EMC/EMI Standards as per EN61547/EN 55015 and EN 61000-3-2 & 61 000-3-3 for Harmonics.
6. Manufacture should provide the certificate of LM80 report directly from the LED Cheap manufacture (CREE, LUMLED, OSRAM, NICHIA).
7. The manufacturer should submit the following in-house testing facility for quality checks:
  - a. Test Bench for EMI/EMC measurement.
  - b. Test Bench for High Voltage, Surge, Burst & Voltage dips.
  - c. Test Chamber for humidity and temperature of environmental testing.
  - d. Photometry Laboratory with Goniophotometer and Integrating Sphere for complete light fixtures, to be able to create IES files.
8. The manufacturer should have experience of manufacturing of LED lights for at least 5 years.
9. 5 years warranty certificate to be submitted by manufacture and along with the agencies to be awarded with the job.

**For the Product the following certificate to be submit by the manufacturer or authorized dealer or contractor alongwith the submission of challan & bill.**

10. Manufacture should submit the certificate of over voltage and low voltage protection report from their own electrical lab.
11. The manufacturer to be certified that the product should be in built surge protection 4 kv to 6 kv and separate external surge production should be provided not less than 10 kv for street light and flood light and 20 kv. external surge protection should be provide at bottom of pole for High mast.
12. The product should supply having aluminum pressure die cast /Aluminum astounded heat shrink should provide by the manufacture.
13. Lighting design of the road for High mast or street lighting with lux level calculation should be submitted by the manufacture as per National Lighting Code (NLC) Sp-72-2010.
14. Contractor should provide SPD (surge protection device) in feeder or panel as per guidelines of OBO.

## HOW TO SELECT LED LIGHTS?

### **Pre-Qualification Criteria to Select Suppliers by the Agency**

1. The manufacturer should be an ISO 9001:2008 certified organization.
2. The manufacturer should have a NABL Accredited Laboratory for Electrical and Photometry tests. / UL certification (about the – product batch no.) to be supplied.
3. The manufacturer should have CE Certification for LED lights.
4. The manufacturer should have in-house Design & Development facility for LED lights and for electronic drivers.
5. The manufacturer should have an in-house manufacturing capability for LED lights, including for the manufacture of electronic drivers.
6. The products should meet Safety Standards as per EN 60598, EMC/EMI Standards as per EN61547/EN 55015 and EN 61000-3-2 & 61 000-3-3 for Harmonics.
7. The electronic driver should work in the short circuit and open circuit conditions and should work in the voltage range 90V to 300 Volts.
8. LED lighting fixtures should be manufactured with LEDs of only reputed makes such as Cree, Samsung, Lumiled and Osram.
9. The manufacturer should have the following plant infrastructure:
  - a. For automatic production of PCBs cards with surface mounted devices.
  - b. Injection moulding plant for manufacturing lenses.
  - c. Tool making facility for manufacture for moulds and tools.
10. The manufacturer should have the following in-house testing facility for quality checks:
  - a. Test Bench for EMI/EMC measurement.
  - b. Test Bench for High Voltage, Surge, Burst & Voltage dips.
  - c. Test Chamber for humidity and temperature of environmental testing.
  - d. Photometry Laboratory with Goniophotometer and Integrating Sphere for complete light fixtures, to be able to create IES files.

The buyer should reserve the right to inspect and audit the plant to ensure that the technical qualifications are met by the suppliers

### **Commercial Eligibility**

1. The manufacturer should have experience in manufacturing of LED lights for at least 5 years.
2. The manufacturer should have a minimum annual manufacturing turnover of Rs 25 crores in LED lights.
3. The manufacturer should have a record of designing and supplying LED lights to International Standards for markets like UK, Europe and US.
4. The manufacturer should have certifications and approvals from customers like Indian Railways, Ministry of Defense, Oil Companies and Municipalities.

The manufacturer should have a record of supplying at least 10,000 LED street lights to any municipal corporation when considering street lights.