

## Request For Proposal (RFP)

Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO Convention Centre, Bharat Mandapam, New Delhi



DM(E)

SM(E)

GM(W)

SGM,ITPO

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## PROJECT BRIEF

The Project to be undertaken is “**Design, Supply, Installation, Testing and Commissioning including Operation and comprehensive maintenance of 5 years of Dynamic Programmable Façade Lighting at ITPO Convention Centre, Bharat Mandapam, New Delhi**”.

Expectations, vision and success parameters for the project:

The project must aim to uphold the following success parameters for dynamic programmable façade illumination.

1. **Building responsive and sensitive design:** Creative, innovative design solutions for external façade lighting which should be sensitive to the architectural value and design of the building.
2. **Minimally invasive design:** The lighting fitting and fixtures, including the mounting arrangement, will be discreet so as to not detract from the architectural design of the building and must be minimally invasive to the material and architect.
3. **Context responsive design:** The lighting solutions should take into account the physical and environmental context of the building- its visual relationship with character of lighting and activity in the surrounding to avoid light pollution or visual anarchy, surrounding flora and fauna, obstructions to views, vantage points of the building etc.
4. Energy efficient and sustainable design and implementation models towards improved power consumption.
5. **Cost effectiveness:** While running costs are to be borne by the owners of the respective building owners or ITPO, the technical proposal will be adjudged on the cost effectiveness in the long term.
6. Quality and innovation of control system and electrical power distribution scheme
7. **Intelligent programmable systems:** Variations between dynamic and static lighting solutions for building based on significance of building. Automated technology via diffusers or other, to allow for variations in lighting solutions from early evening, night and into late night and across seasons/ festivals etc.
8. Proposed design should incorporate the factors of ease of maintenance and serviceability of the installation.



INDIA TRADE PROMOTION ORGANISATION

1. ANNEXURE: I

1.1 E-TENDER NOTICE

Online item rate bids are invited on behalf of CMD, ITPO, in two bid system for the work “**Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi**” from Specialized agencies dealing in the field of “**Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting**”. The detail of tender is as under.

S.N	Name of work	Time for Completion	Estimated Cost(Rs)	Earnest Money(Rs)	Cost of Tender (Rs)
1.	<b>Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi</b>	75 days	Rs. 1,40,08,847/-	Rs. 2,80,177/-	Rs. 1180/- i/c GST

The above work includes for “**Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi**”.

The tender documents are available on our website [www.indiatradefair.com](http://www.indiatradefair.com)(for reference only) & [www.eprocure.gov.in](http://www.eprocure.gov.in) and same can be down loaded.

## 1.2 PRE-QUALIFICATION CRITERIA:

Bidders who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.

**The tender is issued with the expectation that the products offered must be manufactured in India, in line with the "Make in India" initiative.**

1. The agency should have PAN, GST, ESI, EPF Registration and valid Electrical license.
2. The agency having experience of working in any Govt. of India/Central Public Sector Undertaking in the field of "Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting". Similar work shall mean a project consisting of "Design, Supply, installation, Testing & commissioning of Façade lighting system individually or in any combination of works in a single project in which the façade lighting part is of the required amount as alone. Ongoing project / part project experience shall not be considered for evaluation.
3. The Agency should not have been blacklisted by any Government of India organization in the past. In all such cases, the tender would be rejected.
4. The agency/company should not have been involved in any kind of litigation, legal cases or ever been blacklisted by any government department or have any pending government investigation against them either directly or indirectly.
5. The intending bidders must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
6. EMD Payment & Tender cost: Earnest Money Deposit & Cost of tender is to be deposited in the account of ITPO before the last date of bid submission and upload the mandatory scanned document of EMD payment. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose Tender fee and EMD deposited in ITPO Account or documents for relaxation have been verified by tender opening authority and are found in order.
7. The bidder should have had average annual financial turnover @50% of the estimated cost, i.e. Rs. 70,04,424 /- during immediate last three consecutive financial years ending 31st March . 2024. (Scanned copy of certificate from CA to be uploaded only).
8. The agency/company should have satisfactorily completed the works as mentioned below during the last Seven years ending last day of month previous to the one in which tenders are invited.  
  
One similar work costing not less than 80% of estimated amount put to tender i.e (Rs.1,12,07,078 /-)  
  
OR  
  
Two similar works each costing not less than 60% of estimated amount put to tender i.e (Rs. 84,05,308/-)  
  
OR  
  
Three similar works each costing not less than 40% of estimated amount put to tender i.e (Rs. 56,03,539/-)

(The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of the month previous to the one in which tenders are invited.)

Similar work shall mean works of “Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting”.

(The completion certificate issued by the officer in charge will have to be furnished along with all the details. The completion certificate must clearly indicate: -  
The date of start, date of completion and total work done amount, nature of work that has been completed satisfactorily.)

(The copy of any other details related to the work if required may be asked from the bidder after opening of eligibility bids. There is no need to upload entire voluminous schedule and abstract of work.)

The agency/company Should have the following

Gross Annual Turnover of last three years ending 31st March 2024. Scanned copy of certificate from Chartered Accountant to be uploaded on portal at the time of submission of bid. Contractor should upload only Certificate from CA, mentioning Financial Turnover of last 3 years as per the period as specified below in form –A

(The Related further details if required may be asked from the contractor after opening of eligibility bids. There is no need to upload entire voluminous balance sheet.)

### 1.3 FORM-A: FINANCIAL INFORMATION

#### Financial Turnover of last 3 years

<b>Description</b>	<b>Financial year 2021-22 ( Rs. )</b>	<b>Financial year 2022-23( Rs. )</b>	<b>Financial year 2023-24 ( Rs. )</b>
<b>Gross annual turns over</b>			

**Signature of Chartered  
Accountant with Seal**

**Signature of Bidder(s).**



The agency/company should have a **Solvency equal to 40 % of the estimated cost** put to tender, certified by his bankers (on the format prescribed in form -B) OR **net worth certificates equal to 10%** of the estimate cost put to tender (on the format prescribed in form- C) issued by the certified Chartered Accountant. Certified copies of **Solvency OR net worth certificate** should be uploaded on portal at the time of submission of bid.

(The Related further details if required may be asked from the contractor after opening of eligibility bids. There is no need to upload entire voluminous balance sheet.)

#### 1.4 FORM-B: SOLVENCY CERTIFICATE FROM A SCHEDULED BANK

This is to certify that to the best of our knowledge and information that M/s/Sh. .... having marginally noted address, .....Customer of our bank are/is respectable and can be treated as good for any engagement up to a limit of Rs..... Rupees).

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

**(Signature) For the Bank**

#### **NOTE:**

Bankers' certificates should be on letter head of the Bank,

In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

OR

### 1.5 FORM- C: NET WORTH FROM CHARTERED ACCOUNTANT

It is to certify that as per the audited balance sheet and profit and loss account during the financial year....., the Net Worth of M/s .....(Name & Registered Address of Individual/firm/company), as on .....(the relevant date) is Rs. .... after considering all liabilities. It is further certified that the Net worth of the company has not eroded by more than 30% in the last five years ending on (the relevant date).”

Signature of Chartered Accountant

Name of Chartered Accountant.....

Membership No. of ICAI .....

Date and Seal .....

The bidder can submit shortfall documents in online system if required and permitted by tender inviting officer, except the mandatory eligibility documents e.g Tender fee, EMD.

While selecting any of the cells in the BOQ, a warning appears that if any cell is left black the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).

No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of ITPO is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

The contractor shall not be permitted to bid for works in ITPO, if the contractor or any of his/ her near relatives are posted in ITPO. He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him/her and who are near relatives to any officer in ITPO or ministry of commerce and industries. Any breach of this condition by the contractor would render him liable to be removed from the contract and further works in ITPO.

Tender documents may be downloaded from ITPO's web site [www.indiatradefair.com](http://www.indiatradefair.com) (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in CRITICAL DATE SHEET as under.

## 2. INDICATIVE CRITICAL DATE SHEET

Published Date	26/03/2025
Bid Document Download Start Date	26/03/2025
Submission of queries	01/04/2025
Pre bid meeting Date	03/04/2025
Reply of Pre-bid Meeting Queries	10/04/2025
Bid Submission Start Date	26/03/2025
Bid Submission End Date	24/04/2025 at 3.00 PM
Bid Opening Date	25/04/2025 at 3.00 PM

14. Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>. Tenderers/Contractors are advised to follow the instructions provided in the 'Instructions to the Contractors/Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>'. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

15. Not more than one tender shall be submitted by one contractor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have Business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

**Only reputed Manufacturers/ Bidder or their authorized representative are eligible. Only one authorized representative is permitted for each manufacturer/ OEM.**

16. Tenderer who has downloaded the tender from the ITPO's web site [www.indiatradefair.com](http://www.indiatradefair.com) and Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, **shall not modify the tender form including downloaded price bid template in any manner**. In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and tenderer is liable to be banned from doing business with ITPO.

17. Intending tenderers are advised to visit again ITPO website [www.indiatradefair.com](http://www.indiatradefair.com) and CPPP website <https://eprocure.gov.in/eprocure/app> at least 2 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.

### 3. EMD PAYMENT & TENDER COST:

Earnest Money Deposit & Cost of tender is to be deposited electronically by NEFT/RTGS in the account of ITPO at the below mentioned details or DD in favor of ITPO payable at New Delhi. Bidders are required to submit the details of EMD payment at the time of Bid Preparation.

#### **BANK Details for EMD Payment through NEFT/RTGS:**

Name of the Beneficiary	:	India Trade Promotion Organisation
Name of the Bank	:	Central Bank of India
Branch Address	:	Bharat Mandapam, New Delhi
Account No.	:	1167404133
Type of Account	:	Saving
RTGs Code	:	CBIN 0284078
MICR CODE	:	110016150
PAN NO.	:	AAATI2955C

The Hard Copy of original instruments in respect of cost of tender document must be delivered to the **Senior Manager (Electrical)** India Trade Promotion Organisation, Control Room, Convention Centre, Bharat Mandapam, New Delhi - 110001 on or before bid opening date/time as mentioned in critical date sheet. Tenderer shall likely to be liable for legal action for non-submission of original payment instrument like DD/ RTGS, etc., against the submitted bid. The Demand Draft attached/submitted for tender fee shall be non-refundable.

Bids will be opened as per date/time as mentioned in the **Tender Critical Date Sheet**. After online opening of Technical-Bid the results of their qualification as well Price-Bid opening will be intimated latter.

Due consideration and relaxation in the norms for MSME/NSIC/Start up/MSE in Public procurement will be given as per the directions issued by Govt. of India and also preference would be given to SC/ST – MSME entrepreneurs up to 4% within the 20% ceiling earmarked for MSME entrepreneurs subject to the production of valid /relevant registration documents for the specific work i.e. **“Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting ”** as required in NIT.

Pre bid meeting will be held on 03/04/2025 at 3 PM in the chamber of GM(Works), 4<sup>th</sup> Floor, Cabin No. 12, Admin building, Bharat Mandapam.

For any queries intending bidders may contact-

Senior Manager (Electrical), Control Room, Convention Centre, Bharat Mandapam.

Email Id: [sk.suman@itpo.gov.in](mailto:sk.suman@itpo.gov.in). Mobile No.: 8527555385

## 4. SUBMISSION OF TENDER

The tender shall be submitted online in **Two part, viz., technical bid and financial bid.**

All the pages of bid being submitted must be signed wherever required, and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading. The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter.

### 4.1 TECHNICAL BID

The following documents are to be furnished/ uploaded by the Contractor along with **Technical Bid within the period of bid submission** as per the tender document (As applicable):

1. Scanned copy of Demand Draft/ RTGS of any scheduled Bank for tender fee and EMD which shall be valid for a period of 6 (Six) months from the date of submission of tender.
2. Scanned copy of PAN, EPF, ESIC, GST registration and valid electrical license.
3. Certificate of Work Experience /Completion certificate issued by an officer in charge **from any Govt. of India/Central Public Sector Undertaking.**
4. Scanned copy of Tender Acceptance Letter and Price Bid undertaking.
5. Certificate of **Gross annual turnover** for last three financial years, **Solvency certificate OR net worth certificate** as per eligibility criteria, in given format –A,B and C respectively .
6. The tenderer shall submit at the time of submission of bid, an individual undertaking from the OEM.
  - a. Authorization Certificate
  - b. The OEM shall unconditionally support the lowest tenderer technically throughout the execution of contract as well as AMC period of 5 years and the useful life of the system, and
  - c. OEM shall declare availability of the spares (in ware house of Delhi/ NCR boundary) required whenever needed for healthy functioning of the equipment for at least Seven years from the date of supply of equipment.

Note: - In case of non-submission of undertaking as listed above (a,b,c) along with performance guarantee, the performance guarantee shall not be accepted and the EMD of the lowest tender shall be forfeited and shall not be allowed for further bidding in this work.

7. Any Other document as per NIT.
8. Undertaking for supply of genuine spare parts
9. The tenderer should submit a presentation for proposed design of façade lighting as mentioned in tender document

Note:

**Tenders received without EMD And TENDER FEE will not be accepted.**

Each and every page of all the tender documents, annexures, corrigendum/addendum (if any) and their annexure should be duly seal & signed and submitted with technical bid.

### 4.2 FINANCIAL BID

Schedule of price bid in the form of BOQ\_XXXX .xls. format

## 5. MODE OF SELECTION:

The selection of tenderer shall be based on following stages:-

### STAGE-I

#### 5.1 Evaluation of the Technical Proposal

**The evaluation of the Technical Proposals will be carried out in the following manner:**

- a. Only those Tenderer who comply with all the prequalification criteria shall be considered as responsive bids.
- b. Technical proposals of only responsive bids will be evaluated.
- c. Bid document will be evaluated as per the requirements and guidelines specified in the technical evaluation criteria as mentioned in Section 5.4 of the RFP.
- d. Tenderer shall make the presentation of their proposal to ITPO as per the agenda mentioned in Section 5.4 of the RFP.
- e. Each Technical Proposal shall be assigned a technical score out of a maximum of 100 (hundred) points. (Refer Section 5.4 of the RFP). In order to qualify for the opening of financial proposal, the Bidder must get a minimum overall technical score of 75 (Seventy-five).
- f. The Tenderer are required to submit all required document in support of the evaluation criteria specified (e.g. Detailed Project citations and completion certificates, client contact information for verification, and all others components) as required for technical evaluation.
- g. At any time during the Bid evaluation process, Bid Evaluation Committee (BEC) may seek oral/ written clarifications from the Tenderer. The BEC may seek inputs from their professional and technical experts in the evaluation process.
- h. ITPO reserves the right to do a reference check of the past experience stated by the Bidder. Any feedback received during the reference check shall be taken into account during the technical evaluation process.
- i. The Financial Proposals of Tenderer who do not qualify technically shall be kept unopened in the e-Tendering system.
- j. ITPO reserve the right to accept or reject any or all bids without giving any reasons thereof.
- k. ITPO shall inform the technically shortlisted tenderer about the date and venue of the opening of the financial proposals.
- l. If the Technical proposals are found to be inadequate and do not correspond to the design brief, scope of work and terms of reference, they shall be summarily rejected.

### STAGE-II

#### 5.2 Evaluation of the Financial Proposal

- a. Only those Tenderer whose Technical Proposals score **at least 75 marks out of 100** shall qualify for further consideration, and shall be ranked from highest to the lowest on the basis of their technical score.
- b. The Financial Proposal of only the technically qualified Tenderer shall be opened for evaluation. Each Financial Proposal will be assigned a financial score (SF). For financial evaluation, the total cost indicated in the Financial Proposal will be considered.

- c. The cost indicated in the Financial Proposal shall be deemed as final and reflect the total cost of services. Omissions, if any, in costing any item shall not entitle the Bidder to be compensated and liability to fulfill its obligations as per the terms of reference within the total quoted price shall be that of the Bidder. The lowest Financial Proposal (FM) will be given a financial score (SF) of 100 points. The financial scores of other proposals will be computed as follows:

$$SF=100 \times FM/F$$

**SF is the 'Financial Score' of the Financial Proposal being evaluated. FM is the computed**

**lowest Financial Proposal (inclusive of all taxes)**

**F is the Computed Price of the bidder under evaluation (inclusive of all taxes)**

### 5.3 Combined and final evaluation of Bids

- a. Final ranking of all proposals shall be done with *weightage of 70:30. Weightage of 70% shall be given to technical competence and 30% to the financial proposal.*
- b. Proposals will finally be ranked according to their combined technical (ST) score and financial (SF) scores as follows:

$$S=ST \times TW+SF \times FW$$

**Where S is the combined score, and TW and FW are weights assigned to Technical Proposal and Financial Proposal that shall be 0.70 and 0.30 respectively.**

**Note: 1. Work is awarded to highest scorer.**

- 2. In case of tie, Bidder scoring higher technical evaluation score will be awarded the work.**



5.4 The Technical scoring shall be done based on the table below:

S. No.	Description	Marks
<b>PHASE-1 OF EVALUATION OF TECHNICAL PROPOSAL DOCUMENTS SUBMITTED</b>		
1.	<p>Worked on <b>similar projects for Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at modern and heritage buildings for any Govt. of India/Central Public Sector Undertaking as referred in pre-qualification criteria 1.2, serial no. 08,</b></p> <p><b>either:</b></p> <p>(i) Minimum Technical Eligibility Criteria as per NIT - 15            (ii) Twice the Minimum Technical Eligibility Criteria- 20            (iii) Thrice the Minimum Technical Eligibility Criteria or more- 25            (iv) In between (i) to (iii) – on pro-rata basis</p>	25
2.	<p>Worked on <b>operation and maintenance provided for a minimum of 3 (years) for 3 similar projects of façade lighting/ illumination of modern and heritage buildings for any Govt. of India/Central Public Sector Undertaking.</b></p> <p><i>(5 Marks for each project, Maximum–15 marks)</i></p>	15
<b>PHASE 2: TECHNICAL PRESENTATION</b>		
3.	<p>Tenderer are required to make a presentation for proposed design of façade lighting. Presentation must include the 3D view (Soft), animation and night simulation, energy consumption pattern of proposed design.</p> <p><b>Design Proposal, Feasibility Studies and Presentation</b></p> <p>The Bidder is expected to attend the <b>Pre-Bid Meeting and Site Visit</b> towards comprehensive clarity on the client’s expectations.</p> <p>Creative design solutions for illumination of Convention Center building as mentioned below parameter and section 13 (schedule of Work)</p> <p>(i) <b>Building Responsive and sensitive design – 15 marks</b>            a. Integration with Bharat Mandapam’s architectural identity-5            b. Brightness &amp; Uniformity– Proper light spread and coverage without dark spots.-5            c. Dynamic lighting effects (color-changing, programmable themes), Synchronization with cultural events &amp; national themes.-5</p> <p>(ii) <b>Minimally invasive design-2.5 marks</b></p> <p>(iii) <b>Context responsive design – 2.5 marks</b>            No excessive glare or unwanted light spill.- 5 marks</p> <p>(iv) <b>Energy efficient -2.5 marks</b>            a. Use of energy-efficient design concept to minimize power consumption.</p> <p>(v) <b>Operation and Maintenance -7.5 Marks</b>            a. Ease of maintenance -5 marks            b. Long-Term Maintainability &amp; replacement strategy -2.5 marks</p>	30

	<p><b>Mockup</b></p> <ul style="list-style-type: none"> <li>• Those tenderers who have submitted technical presentation are called for Mock-up as per proposed presentation.</li> <li>• The tenderer must submit specifications and technical data sheets for all items, matching the schedule of items outlined in the NIT, during the presentation. These items will also be implemented during the Mock Up. The submitted documents will form part of the tender documents, ensuring that the same items with the same specifications are used during execution. The mockup shall be done in ITPO, Convention Centre, Bharat Mandapam of the building.</li> <li>• Tenderer shall depute their representative along with OEM's representative having complete knowledge to explain their product in detail and design.</li> <li>• Tenderer shall organize &amp; bear all cost of providing samples material, illumination arrangement, power generator, transport, loading, unloading, security, etc for the mockup.</li> <li>• The mockup shall be removed from site within three days of the date of Mockup or as per direction of engineer-in charge.</li> <li>• Tenderer must utilize the scheduled items as per NIT and submit all the technical specification of items during Mock Up.</li> <li>• Material Quality must conform as per NIT.</li> <li>• Material Quality: The mock-up should showcase the quality of the materials used should be as per NIT for 'Design Proposal, Feasibility Studies and Presentation' etc.) -5 marks</li> <li>• Testing and Mock up: provide a mock-up or sample installation to visualize the final outcome.- 15 Marks <ul style="list-style-type: none"> <li>a. Brightness Levels: It should create the desired effect without causing light pollution or excess glare as per designed submitted. -3 Marks</li> <li>b. Uniformity of Light: Evaluation of how well the light spreads across the facade. There should be minimal variations in intensity and no overly bright or dark patches. -3 Marks</li> <li>c. Color Accuracy: Evaluation of how accurately the lighting illuminates the building's colors and textures. This includes assessing how the color rendering (measured by CRI) enhances the appearance of materials used on the facade. 3 Marks</li> <li>d. Light Spill: Evaluate how well the lighting is confined to the intended facade area. There should be minimal light spill into neighboring spaces. 3 Marks</li> <li>e. Accessibility for Maintenance: The mock-up should demonstrate the ease of maintenance, such as replacing lamps or cleaning fixtures.- 3 Marks</li> </ul> </li> </ul>	<p><b>30</b></p>
	<p><b>Total Marks</b></p>	<p><b>100</b></p>

Presentation and Mockup will be evaluated by a committee, nominated by ITPO. If required modifications will be suggested and an undertaking to agree to the modifications without any financial implications will be taken from the tenderer.

## **Presentation**

Tenderer are required to make a presentation for proposed design of façade lighting. Presentation must include the 3D view (Soft), animation and night simulation, energy consumption pattern of proposed design. The presentation will be held at Administrative Building, 4<sup>th</sup> Floor, Committee Room, ITPO, Bharat Mandapam, New Delhi.

The office address is as under:

**India Trade Promotion Organisation  
Administrative Building, Gate No. 9,  
Bharat Mandapam, New Delhi- 110001**

Maximum duration of presentation is not more than 15 mins.

## 6. ANNEXURE: II

### 6.1 INSTRUCTIONS FOR ONLINE BID SUBMISSION:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

### 6.2 REGISTRATION

Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrollment**” on the CPP Portal which is free of charge.

As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.

Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.

Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

### 6.3 SEARCHING FOR TENDER DOCUMENTS

There is various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.

The bidder should make a note of the unique Tender ID assigned to each tender; in case they want to obtain any clarification / help from the Helpdesk.

### 6.4 PREPARATION OF BIDS

Bidder should take into account any corrigendum published on the tender document before submitting their bids.

Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and

content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## 6.5 SUBMISSION OF BIDS

- Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- Bidder has to select the payment option as “offline” to pay the tender fee / EMD as applicable and enter details of the instrument.
- Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.
- Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- Upon the successful and timely submission of bids (ie after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

## 6.6 ASSISTANCE TO BIDDERS

Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

## 7. ANNEXURE: III

### 7.1 TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

**Date:**

**To,**

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

**Sub: Acceptance of Terms & Conditions of Tender.**

**Tender Reference No:** \_\_\_\_\_

**Name of Tender / Work: -Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi.**

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

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

as per your advertisement, given in the above-mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. \_\_\_\_\_ to \_\_\_\_\_ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organization too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract , without prejudice to any other rights or remedy

**Yours Faithfully,**

**(Signature of the Bidder, with Official Seal)**

## 8. ANNEXURE: IV

### 8.1 FINANCIAL BID UNDERTAKING

From: (Full name and address of the Bidder)

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

To,

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

Dear Sir/Madam,

I submit the Price Bid for **Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi**

I have thoroughly examined and understood all the terms and conditions as contained in the Bid document, and agree to abide by them.

**I offer to work at the rates as indicated in the price Bid, Annexure IV inclusive of all applicable taxes with GST@18% and duties.**

Authorized Signatory

(Signature of the Authorized Person)



## 9. ANNEXURE: V

### 9.1 INTEGRITY PACT

To,

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Sub: NIT No. - - - - - for the work **-Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi.**

Dear Sir,

It is hereby declared that ITPO is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the renderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement on behalf of the ITPO.

Yours faithfully,

(Senior Manager (Electrical))

## 10. ANNEXURE-VI

(to be submitted with technical bid)

### 10.1 UNDERTAKING FOR SUPPLY OF GENUINE PARTS

(on letter head of firm)

I hereby certify that the ..... firm will supply genuine spare parts of the said work required during defect liability period/AMC period, etc or as and when required or as per directions of the Engineer-In-Charge. I also certify that the firm will execute the work as per the standards of manufacturer and specification given by department and also abide all the terms and conditions stipulated in NIT document.

Date:

Name:

Place:

Business Address:

Signature of Bidder:

Seal of the Bidder:

**GOVERNMENT OF INDIA****INDIA TRADE PROMOTION ORGANISATION**

## 11. GENERAL DETAIL OF NOTICE INVITING TENDER

Item rate tenders through e-tendering are invited on behalf of CMD, ITPO for the work “**Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi**” in two bid system up to **3.00 pm on 24/04/2025** which will be opened by him (or) his authorized representative at **3.00 pm on 25/04/2025**. The work is estimated to cost **Rs. 1,40,08,847/-**. This estimate, however, is given merely as a rough guide.

Agreement shall be drawn with the successful tenderer on prescribed Form No. C.P.W.D. 7/8 which is available as a Govt. of India publication. Tenderer should quote his rates as per various terms and conditions of the said form which shall form part of the agreement.

**The time allowed for the completion of work is 75 days.**

The site for the work is available and will be handed over as specified in scope of work.

Tenders shall be accompanied with Earnest money of **Rs. 2,80,177/- Tender Fee of Rs. 1180/-** (demand drafts of a scheduled bank issued in favour of India Trade Promotion Organisation, New Delhi or NEFT/RTGS).

The Contractor, whose tender is accepted, will be required to furnish **performance guarantee of 5% (Five percent) of the tendered amount within the period specified in Schedule F**. This guarantee shall be in the form of Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs.1, 00,000/-) or Government Securities or Fixed Deposit Receipts in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule ‘F’, including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderer at the office of the above-mentioned officer. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

The competent authority on behalf of the CMD, ITPO does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled

or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.

Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing shall be liable to rejection.

The competent authority on behalf of CMD, ITPO reserve the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

No Engineer of Gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

The tender for the works shall remain open for acceptance for a period of **Seventy five (75) days** from the date of opening of financial bid, in case tenders are invited on 2/3 envelope system (strike out as the case may be) if any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government, without prejudice to any other right or remedy, be at liberty **to reject the tender** as aforesaid. Further the tenderer not be allowed to participate in the re-tendering process of the work.

This Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor on acceptance of his tender by the Accepting Authority, **within 7 days** from the stipulated date of start of the work, sign the contract consisting of:-

Non Judicial Stamp for **Rs. 100/-**

Schedule of Work with terms and conditions.

GCC-2020 for construction work

And any other relevant documents

#### **SCHEDULE 'E'**

Schedule of component of Cement, Steel, other materials, Labour etc. for price escalation.	Nil
--	-----

#### **CLAUSE 10 CC**

Component of Cement – expressed as percent of total value work	N/A
Component of Steel-expressed as percent of total work.	N/A
Component of civil (except cement & steel)/Electrical construction	N/A
Materials- expressed as percent of total value of work.	N/A
Component of labour-expressed as per cent of total value of work.	N/A
Component of P.O.L. – expressed as percent of total value work.	N/A

## SCHEDULE 'F'

Reference to General Conditions of contract.

Name of work: **“Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi”.**

(i) Estimated cost of work	<b>Rs. 1,40,08,847/-</b>
(ii) Earnest money:	Rs. 2,80,177/-
(iii) Performance Guarantee	5% of tendered value
(iv) Security Deposit	2.5% of actual work done.
<b>General Rules &amp; Directions</b>	
Officer inviting tender	Senior Manager (Elect.)
Maximum percentage for quantity of items of work to be executed beyond Which rates are to be determined in accordance with Clauses 12.2 & 12.3	100%
<b>Definitions</b>	
2(v) Engineer-in-Charge	Sr. Manager (E)
2(viii) Accepting Authority	As per DFPR Sch. V of ITPO
2(x) Percentage on cost of materials and 15% Labour to cover all overheads and profits.	
2(xi) Standard Schedule of Rates	Market Rates
2(xii) Department	ITPO (Works Division)
9(ii) Standard CPWD contract Form	CPWD form 7/8 as modified & corrected upto date

### Clause 1

Time allowed for submission of Performance Guarantee	
From the date of issue of letter of acceptance	7 days
Maximum allowable extension with late fee @0.1% per day of performance guarantee amount beyond the period provided as above in (i)	4 days

### Clause 2

Authority for fixing compensation under clause 2	GM (Works)
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**Clause 2A**

Whether clause 2A shall applicable	No
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**Clause 5**

Number of days from the date of issue of letter	
Acceptance for reckoning date of start	7 days

Mile stone(s) as per table given below:

**Table of Mile Stone(s)**

Sl. No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	Work is to carried as per requirement and direction of engineer in-charge
1.	As per the direction of engineer in-charge	75 days	As per the conditions of contract
2.	-	-	- do-
3.	-	-	- do-
4.	-	-	- do-

**Time allowed for execution of work**

75 days

Clause 6, 6A

<b>Clause applicable – (6 or 6A)</b>	<b>Clause 6</b>
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Clause 7

<b>Gross work to be done together with net payment/adjustment Payment or advance for material collected, if any since the last such for being eligible to interim payment</b>	payment shall be made on the actual work done basis
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Clause 10A

<b>List of testing equipment to be provided by the contractor at site lab</b>	As per the requirement of engineer in charge at site
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Clause 10 B (ii)

<b>Whether Clauses 10 B (ii) shall be applicable</b>	<b>No</b>
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Clause 10CA

Materials covered under this clause Nearest Material for which All India Wholesale Price Index is to be Followed.	_____NA_____
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Clause 10CC

Clause 10CC to be applicable in contracts with stipulated period of Completion exceeding the period show in text column	_____NA_____
---	--------------

Clause 11

Specification to be followed for execution of work	CPWD Specifications 2013, Part I & II with Up-to-date correction slips.
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Clause 12

Deviation limit beyond which clauses 12.2 & 12.3	50%
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Clause 16

Competent Authority for deciding reduced rates.	GM (W)
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Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:-	As per the site requirement and as per direction of Engineer In charge
--	--

Clause 36

S.N.	Minimum qualification of Technical Representative	Discipline	Designation (Principal Technical/Technical representative)	Minimum experience	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)
1.	Graduate Engineer	Software /Hardware Engg	Technical	5 Years/3 Years	Rs. 25000/-
2.	Graduate Engineer/Diploma	E/M	Technical	5 Years/2 years	Rs. 15,000/-

**Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.**

**RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION**

S.No.	Description of Item	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation	Less use beyond the permissible variation
1.	Cement	N/A	N/A
2.	Steel reinforcement	-	-
3.	Structural Sections	-	-
4.	Bitumen issued free	-	-
5.	Bitumen issued at stipulated fixed price	-	-



INDIA TRADE PROMOTION ORGANISATION

(Engineering Division)

**12. CORRIGENDUM TO FORM 7/8/9 (CPWD)**

MUST BE READ ALONGWITH THE PAMPHLET

S.No	FOR	READ
	<b>Govt. of India</b>	<b>India Trade Promotion Organisation (A Govt. of India Undertaking)</b>
	<b>CPWD of Government</b>	<b>India Trade Promotion Organisation</b>
	<b>CPWD – 7/8/9</b>	<b>ITPO – 7/8</b>
	<b>President/President of India</b>	<b>CMD, ITPO</b>
	<b>Chief – Engineer</b>	<b>General Manager (Works)</b>
	<b>Superintending Engineer</b>	<b>Deputy. General Senior Manager (Elect.)</b>
	<b>Engineer-in-charge/ Divisional Engineer/ Executive Engineer/ Divisional Office</b>	<b>Senior Manager (Elect.)</b>
	<b>Sub-Divisional Officer/Asstt. Engineer</b>	<b>Deputy Manager (Elect.)</b>
	<b>C.T.E.</b>	<b>General Manager (Works)</b>
	<b>Admn. Head</b>	<b>C.M.D./General Manager</b>
	<b>Ministry of Works &amp; Housing</b>	<b>ITPO/Ministry of Commerce</b>
	<b>CPWD Code, Paragraph'90</b>	<b>Shall be applicable to ITPO works.</b>
	<b>DSR-2022</b>	<b>Shall be applicable to ITPO works.</b>
	<b>CPWD specifications</b>	<b>Shall be applicable to ITPO works.</b>
	<b>DSR(Internal) 2022 for Electrical works.</b>	<b>Shall be applicable to ITPO works.</b>
	<b>CPWD general specification -2013 for electrical works</b>	<b>Shall be applicable to ITPO works.</b>
	<b>DSR External 2022 for Electrical works and specification.</b>	<b>Shall be applicable to ITPO works.</b>
	<b>Provision of section 12 Subsection (i) of the works man compensation</b>	<b>Shall be applicable to ITPO works.</b>
	<b>Provision of contract labour (Regulation and abolition Act 1970 and contract labour (Regulation and abolition) control rules 1971 section 20 sub-section (A) of the contract labour (Regulation and abolition Act 1970).</b>	<b>Shall be applicable to ITPO works.</b>
	<b>Provision of the payment of wages Act, 1986 Minimum wages Act, 1986 1943 industrial disputes Act, 1947</b>	<b>Shall be applicable to ITPO works.</b>

	<b>Material benefits Act, 1961.</b>	
	<b>CPWD safety code framed from time to time.</b>	<b>Shall be applicable to ITPO works.</b>
	<b>CPWD maternity benefits to labour.</b>	<b>Shall be applicable to ITPO works.</b>
	<b>Provision of the Arbitration Act, 1972.</b>	<b>Shall be applicable to ITPO works.</b>
	<b>Section 74 of India Contract Act, 1973.</b>	<b>Shall be applicable to ITPO works.</b>
	<b>Model Rules of the protection health and sanitary appointment for workers employed by CPWD,</b>	<b>Shall be applicable to ITPO works.</b>
	<b>CPWD Contractor labour regulations.</b>	<b>Shall be applicable to ITPO works.</b>

**Sr. Manager (Elect.)**

**INDIA TRADE PROMOTION ORGANISATION**

**Electrical Division**

No. 169/ITPO/BM/EE/CVC/Façade\_Lighting/2024-25/01

Date: 26.03.2025

**NOTICE INVITING TENDER**

Sr. Senior Manager, Electrical India Trade Promotion Organisation, Bharat Mandapam, New Delhi on behalf of CMD, ITPO invites Item rate tender for the following work from the Specialized agencies dealing in the field of “Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting” in two bid system through online e-tendering. Manual/offline bids shall not be accepted. The details of which briefly described are hereunder:

S. N	Name of work	Time for Completion	Estimated Cost(Rs)	Earnest Money(Rs)	Cost of Tender (Rs)
1.	Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi.	75 days	Rs. 1,40,08,847/-	Rs. 2,80,177/-	1180/- i/c GST

The bids can be submitted on line up to 24/04/2025 up to 3.00 pm with date of opening at 3.00 pm on 25/04/2025 . For further details including eligibility, downloadable form of tender documents etc. please refer website [www.indiatradefair.com](http://www.indiatradefair.com), [www.gem.gov.in](http://www.gem.gov.in)(For Reference) & [www.eprocure.gov.in](http://www.eprocure.gov.in) (for e-tendering)

Sr. Manager(Elect.)  
I.T.P.O.

13. Schedules of Works

Item No.	Description	Unit	Qty	Rate i/c GST @ 18% and all duties and taxes(₹)	Amount i/c GST @ 18% and all duties and taxes (₹)
Part A	Lighting Installation				
1	Design of facade lighting and 6 preset Programming of facade lighting at ITPO, Convention Centre , Bharat Mandapam as requirement and approved by engineer-in -chagre.	Job	1		
2	Supply, Installation, Testing and Commissioning of RGBNW architectural LED flood light with housing material of housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 400 W and system lumen output of not less than 20,800 lumens and SDCM ≤4.Driver included , Fixture shall be available with 10°- 40° (±10%) . Fixture shall operate in a temperature range of - 10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC, 50/60Hz. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with totalIngress protection code IP66 [Dust penetration-protected, jet-proof].Luminous Efficacy (rated) (Nom) 52 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) >80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories.,Protection class IEC Safety class I, Soft Copy of Catalogues,Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number(IS 10322), IES Files, Type Test, Polar curve, Illuminance diagram, other accessories for fixing the lights, is mandatory complete as required. MAKE: Philips/Wipro/light technologies/OSRAM/Instapower/Havells	Each	4		

3	<p>Supply, Installation, Testing and Commissioning of RGBNW architectural LED flood light with housing material of housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 200W and system lumen output of not less than 10975 lumens and SDCM <math>\leq 4</math>. Driver included , Fixture shall be available with 10°- 40° (<math>\pm 10\%</math>) . Fixture shall operate in a temperature range of -10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC, 50/60Hz with PF&gt;0.9. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with total IP66 protection. Luminous Efficacy (rated) (Nom) 55 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) &gt;80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories., Protection class IEC Safety class I, Soft Copy of Catalogues, Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number (IS 10322), IES Files, Type Test, Polar curve, Illuminance diagram, other accessories for fixing the lights, is mandatory complete as required. MAKE: Philips/Wipro/ light technologies/OSRAM/ Instapower/ Havells</p>	Each	10		
4	<p>Supply, Installation, Testing and Commissioning of RGBNW architectural LED flood light with housing material of housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 150W and system lumen output of not less than 7175 lumens and SDCM <math>\leq 4</math>. Fixture shall be available with 10°- 40° (<math>\pm 10\%</math>) . Fixture shall operate in a temperature range of -10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC , 50/60Hz with PF&gt;0.9. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with total IP66 protection. Luminous Efficacy (rated) (Nom) 48 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) &gt;80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories., Protection class IEC Safety class I, Soft Copy of Catalogues, Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number (IS 10322), IES Files, Type Test, Polar curve, Illuminance diagram is mandatory, other accessories for fixing the lights, complete as required. MAKE: Philips/Wipro/ light technologies/OSRAM/ Instapower/ Havells.</p>	Each	60		

5	<p>Supply, Installation, Testing and Commissioning of architectural LED flood light with housing material of housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 120 W having Correlated Color Temperature (CCT) 2700k-3000K and system lumen output of not less than 6245 lumens and SDCM ≤4. Fixture shall operate in a temperature range of -10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC , 50/60Hz with PF&gt;0.9. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with total IP66 protection.Luminous Efficacy (rated) (Nom) 52 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) &gt;80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories.,Protection class IEC Safety class I, Soft Copy of Catalogues,Type Test, Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number(IS 10322), IES Files, Polar curve, Illuminance diagram is mandatory, other accessories for fixing the lights, complete as required. MAKE: Philips/Wipro/light technologies/OSRAM/Instapower/Havells</p>	Each	24		
6	<p>SITC of LASER Source Moving Head Beam Waterproof, With Max Power 380-400W And with 260W Laser Source, Beam Angle 1° to 5°, CTO - 3000K-8000K Motorised CTO, 19 Colours + White and Rainbow Flow Effect, 29 Inbuilt Gobo Wheel , Prism : One Circular 8 + 24 Prism And One 5Facet Linear Prism With Bi-Directional Rotation, Motorised Linear Focus, Diming : 1-100%, 16Bit, Colling System : Forced Convection, Control Protocol : DMX512, RDM, On board Control, Custom Mode,0-25Hz Strobe, Pan/Tilt rotation : 540°/270°(8-16bit), Housing : Flame- retardant plastic, Die-cast aluminum, Operating Temperature :-20 Degree C to 55 Degree C, Ingress protection : IP66, as per BIS standard as required . Make: LEKSA/CLAYPAKY/ UPLUS</p>	Each	6		
7	<p>Supply of Content Program Controller with features of Single DMX ports control minimum 300 light addresses, Works as a stand-alone or computer-driven controller, Secure Digital (SD) card drive for flexible show storage, USB 2.0 interface for ownloading shows and configuring from attached PC, Flexible,adaptable mounting options ,Should be provided with light show authoring software, Direct line voltage power supports 100- 240VAC,Minimum Five pre configurable effects :Using light authoring software to select from five pre-defined effects, adjust effect settings such as color, speed, and brightness. Soft Copy of Catalogues with Link of the official web page of Luminaries, Type Test Certificates - relevant BIS R Number, UL Certificates, Third Party IEC 60598 test certificates submission is mandatory. MAKE: Philips/Wipro/light technologies/OSRAM/Instapower/Havells/ Nicolaudie.</p>	Each	2		

8	Supply of RDM-6Wall Splitter, should be able to provide 6-output DMX/RDM splitter with DMX/RDM pass-through supporting bi directional communications for discovery, addressing and DMX control of Ethernet/DMX products. This unit takes the incoming DMX/RDM signal and splits the signal into six separate output channels allowing for expanding the number of devices controlled from 32 to 6x32. The output terminals are electronically isolated from the input & RDM through port and share a common ground reference. All six output ports have independent output driver to boost the DMX/RDM signal. Surface or DIN-rail mountable, Isolated DMX/RDM Input/Outputs, Automatic switching between DMX and RDM mode for auto-discovery, Environment-IP20, Interior applications, Finish/ Color-Polycarbonate, Certification: CE Certified.MAKE: Philips/Wipro/light technologies/OSRAM/Instapower/Havells/Nicolaud ie.	Each	10		
9	Supply, Installation, Testing and Commissioning of Flexible LED Strip, system wattage not less than 9W and system lumen output of not less than 450 lumens/meter. the color temperature shall be 3000 / 4000 ± 300 degree kelvin. Fixture shall operate in a temperature range of -10°C to 50°C, IP67 protection. The fixture shall be 24V DC with non-integral driver and complete with all the accessories and non- integral driver. 50M Length Strip WW .MAKE: Philips/ Wipro/ light technologies/ OSRAM/ Instapower/ Havells.	Each	2		
10	Supply and fixing of DMX Cable 2 pair Shielded etc. Complete as required. Make: Krystal/ Belden/ Canare Cables/ DLINK/POLYCAB	Mtr	500		
11	Supply and fixing of luminaire Junction Boxes etc. Complete as required.	Nos.	90		
12	Supply and fixing of Field Junction Boxes etc. Complete as required.	Nos.	24		
13	Supply and fixing of Power Copper Cable 4Core 6.0sq.mm etc.Complete asrequired. Make: Krystal/ Belden/ Canare Cables/ Klotz/ Polycab	Mtr	150		
14	Supply and fixing of Power Copper Cable 3Core 2.5sq.mm etc.Complete as required. Make: Krystal/ Belden/CanareCables/ Klotz/Polycab	Mtr	500		
15	Comprehensive Operation and Maintenance contract of Facade lighting of convention centre after DLP period of 2 years (operation & maintenance of facade lighting during DLP period is included) by deploying engineer having knowledge of operation as well as programming.				
15.01	3rd year	Job	1		
15.02	4th year	Job	1		
15.03	5th Year	Job	1		

#### 14. APPROVED MAKES

S. No	Description of items	Makes
1	LED flood light	Philips/ Wipro/ light technologies/ OSRAM/ Instapower/ Havells
2	LASER Source Moving Head	LEKSA,CLAYPAKY,UPLUS
3	DMX/Splitter	Philips/ Wipro/ light technologies/ OSRAM/ Instapower/ Havells/ Nicolaudie
4	DMX Cables, Power/control cables	Krystal/Belden/Canare Cables/ / Klotz/Polycab/Dlink
5	Any Other Item	As approved by Engineer Incharge



## 15. CHECK LIST FOR CONTRACTORS FOR SUBMISSION OF BIDS

1. The tenderer should read all the instructions, terms & Conditions, contract clause, nomenclature of items, specifications etc. contained in the tender documents very carefully, before quoting the rates. The tenderer should also read the General Conditions of Contract 2020 for construction works in lines with schedule F, with upto date correction slips upto date of submission of bids.
2. The agency shall quote the item rate for complete scope of work in both words and figures in the financial bid.
3. The bidders shall quote his rates keeping in mind the scope of work, specifications, terms & conditions, additional conditions and special conditions etc. and nothing shall be payable extra what so ever unless otherwise specified.
4. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorizing him to do so. Such power of attorney should be produced with the tender and it must be disclosed that the firm is duly registered under the Indian partnership act, 1952.
5. GST, Labour Cess etc. as applicable shall be paid by the contractor himself. The department shall deduct from the R/A bills, the TDS as applicable. The contractor shall quote his rates considering all such Taxes.
6. The bidder shall quote their rates considering all prevalent taxes/ cess like GST, Workers Cess or any other tax on material /work as applicable on the last date of bid submission and nothing extra shall be paid to the contractor on this account.
7. The Contractor shall note that DLP period for this work is minimum Two (2) years or as per OEM (if more than 02 years) from the date of completion of work and handing over to client department.
8. Damages to existing infrastructure/equipment done by executing agency due to carelessness/poor quality work shall be compensated by Contractor and should be rectified by contractor.
9. Scope of Drawings: The Contractor shall have to provide the design including structural drawing from structural engineer etc calculation. The bidder shall quote their rates considering the cost incurred on the same and nothing extra shall be paid to the contractor on this account. If any modification In Design/drawings is needed as per site conditions, or subsequent to proof checking, the contractor shall do/redo the design without any extra cost. The Contractor shall prepare and supply all the coordinated 'Good for Construction' drawings duly proof checked and approved from authorized structural engineer. The decision of the Engineer- in-charge in this regard shall be final and binding. No claim whatsoever on this account will be entertained on this account. The contractor shall prepare & submit three sets of required shop drawings and get them approved from the Engineer-in-charge before the start of the work. The approval of drawings however does not absolve the contractor not to supply the equipments/ materials as per agreement, if there is any contradiction between the approved drawings and agreement.
10. Operation and maintenance for this work is 5 years including 3 year Comprehensive maintenance contract after successful completion of 2 year DLP period also included in the estimate.

## 16. TERMS & CONDITIONS

**Name of Work:** Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi.

**Scope of work covers: -**

**The tender is issued with the expectation that the products offered must be manufactured in India, in line with the "Make in India" initiative.**

It is responsibility of the agency to see the proposed site for the work and study specifications, scope of work and conditions carefully before tendering. No claim of any sort shall be entertained on account of any site conditions of ignorance.

**The work shall be carried out as per CPWD Construction manual** and following CPWD General Specifications:

- a. The work shall be executed as per CPWD General Specifications for Electrical Works Part-I (Internal) 2013, Part-II (Ext.) 1994, as amended up to date, relevant I.E. Rules, BIS/NBC-2016 etc. as applicable and as per directions of Engineering-Charge. The Technical specifications are to be read in conjunction with the specifications given in the BOQ and in case of variations; specifications given in these Additional conditions shall apply. However, nothing extra shall be paid on account of these additional specifications & conditions as the same are to be read along with schedule of quantities for the work.
- b. INTERPRETING SPECIFICATIONS: In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions:
  - a. Letter of Award and amendments(if any)
  - b. Concept design presentation by the bidder.
  - c. Schedule of quantities/BoQ (If any) and terms and conditions
  - d. Technical specifications (If any)
  - e. Tender Drawing (If any)
  - f. General Specifications
  - g. Relevant BIS or other international code in case BIS code is not available.
3. The tenderer shall submit an individual undertaking from the OEM for the followings at the time of submission of bid.
  - a. Authorization Certificate
  - b. The OEM shall unconditionally support the lowest tenderer technically throughout the execution of contract as well as for Guarantee period/ Maintenance/ Comprehensive Maintenance Contract/Defect Liability Period for the useful life of the system, and
  - c. OEM shall declare availability of the spares required whenever needed for healthy functioning of the equipment for at least Seven years from the date of supply of equipment.
4. The work shall be executed at around **“Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable façade lighting at Bharat Mandapam, New Delhi”**. The sites are fully occupied and fully functional. Hence, the work is required to be executed in such a manner that no disturbance/ inconvenience is caused to the occupants as well as no hindrance is caused to their functioning/ working. The contractor shall organize his activities of the work in such a manner that the works and functioning of the occupants do not get hampered.
5. The scope of work is divided into the following:

Section A: Design Development and Documentation

Section B: Supply of Materials and Installation

Section C: Operation and Maintenance

Section D: Miscellaneous

The description of the services in response to the Project brief and expectations, vision and success parameters for the project stated in preceding sections are as follows:

#### SECTION A: DESIGN DEVELOPMENT & DOCUMENTATION

The bidder shall:

1. Develop the Design Dynamic Programmable Façade Lighting at ITPO Convention Centre, Bharat Mandapam, New Delhi by considering RGBNW architectural LED flood lights of different rating, LASER Source Moving Head Beam, Flexible LED Strip, Controller, Splitter and other control accessories, Power load.
2. Develop the schematic dynamic programmable façade lighting solutions into a detailed design and calculation for a daily lighting scheme and programmable theme lighting envisaged for festivals etc. and shall incorporate any changes requested by the Client.
3. Develop lighting control plans document, control system design and dimming and load schedules, including provision for cloud/ web based monitoring.
4. Provide detailed lighting proposal drawings in the form of plans, elevations, sections or any details (as required) on the base drawings of the buildings (in Auto CAD format).
5. The bidder shall ensure that all proposals, including Shop drawings/ details of lighting design will be reviewed and validated by the Bids Evaluation Committee of ITPO before implementation at the sites.
6. Provide detailed electrical load calculation, explanation on how the fixtures identified are energy efficient and operational cost for the equipment.
7. Identify a suitable and safe location for the electrical control panel.
8. Special consideration to be given for designing lighting layout for iconic buildings, convention centers, so that no physical damage is caused to said structure during installation.
9. All the required programmable lighting fixtures and controls should be of same make to avoid integration and maintenance issues.
10. It is clarified that any concepts and schematics as per the proposal of the successful bidder which are approved by the Client shall be part of the bidder's terms of reference.
11. The design proposal shall contain preliminary lighting layout with fixture details and relevant photographs of similar installations and fixture specifications.

#### SECTION B: SUPPLY OF MATERIALS AND INSTALLATION

1. Based on the approved list of fixtures to be installed for the Project, all the material to be procured and supplied by the bidder shall be as per the time schedule submitted to the Client.
2. The inspection and testing of luminaries before supply must be undertaken by NABL approved testing laboratory.
3. The selected bidder will be responsible for testing and performance of the luminaries shares these with the Client.
4. Installation of the equipment/ fixtures including all associated works for completion of Facade lighting works.
5. The bidder will complete the final system integration, if any for soft commissioning as per the instruction of the Client.
6. The selected bidder shall ensure electrical safety and proper earthing of the system and installed fixtures and fittings.
7. The bidder will deploy the requisite team of experts, engineers, labour (as appropriate) to execute the work at site.
8. The execution of the work shall be conducted, within a time period.
9. The bidder, shall develop as built drawings and operational & Maintenance manuals for all the fixtures installed for facade lighting.
10. The Bidder ensure make and model of the fixture should be engraved in each fixture.

## SECTION C: OPERATION AND MAINTENANCE

The Bidder shall:

1. Maintain the installed lighting fixtures for these from the date of successful completion of work at the specified sites for 5 (Five) years, with a provision of a 2 year extended contract based on the satisfaction of the Client in the preceding years.
2. The Bidders have to quote for the maintenance work by deploying Trained/ Qualified staff who are well versed with the technology used.
3. The defect liability period is of 2 (Two) years from the date of completion and handing over whereby defects, if any noticed during the period shall be rectified by the successful bidder. Therefore, the quote for the first and second year shall not include any cost of maintenance, which is covered under defect liability period but covers the upkeep cost. Hence, the bidder is required to quote for comprehensive maintenance from 3rd year onwards. The price quoted shall be inclusive of all spares consumables except for electricity and fuel etc.
4. The equipment shall be cleaned on regular basis and at no time any foreign particle shall be visible. The successful bidder shall also carry out all activities servicing and preventive maintenance as suggested by the manufacturers of the key equipment.
5. The Bidder shall provide Manpower/ workforce (the "technical staff") suitable for the job work specified by the Client and communicated to the successful bidder in writing. In case the staff provided by the successful bidder to the Client is not found satisfactory, the Client and the successful bidder shall agree to replace such staff forthwith.
6. The O&M agreement shall be for a period of 5 (Five) years including the defect liability period of 2 (Two) year.
7. The successful bidder will also ensure that the technical staff provided by it is of good character, well behaved, skillful in the trade required for the performance of the duties assigned and does not indulge into any activity harmful to the reputation and image of the Client or its employee. In the event of any complaint received by the Client against any of the workers of the successful bidder, the same shall be forwarded to the successful bidder for remedial action and the successful bidder is expected to take such action expeditiously.
8. It is clearly understood by and between the parties to the Contract that the staff shall at all times and for all purpose shall be the employees of the successful bidder.
9. Prices quoted shall remain firm and free from any fluctuation/ escalation during the contract period.
10. The successful bidder will identify the spare parts requirement well in advance, required for maintenance.
11. The successful bidder shall be solely responsible for complying with all the provisions of applicable labour laws relating to manpower engaged in this contract.
12. Neither the successful bidder nor its staff will act in a manner derogatory to or inconsistent with the Client's standard and reputation or its business or cause nuisance in the management of the business or its customers or visitors.
13. The successful bidder shall indemnify the Client from any claim made or damages suffered by reason of any default on the part of the successful bidder, or its employees in due observance and performance of the provisions of law applicable to the matter relating to the staff.
14. The illumination/ lighting solutions shall be functional on a daily basis for a period of at least 10 hours between the time period of 7 pm of a day to 5 am of the subsequent day in the months of April to October in a year. The illumination/ lighting solutions shall be functional on a daily basis for a period of at least 10 hours between the time period of 6pm of a day to 7 am of the subsequent day in the months of November to March in a year.

## SECTION D: MISCELLANEOUS

1. Attend meetings and workshops with the Client in Admin Building, Bharat Mandapam at every stage of the Project and whenever required.
2. Be available on phone, fax and internet to assure continued communication and collaboration throughout the Project.
3. Shall coordinate for the said work with the relevant technical expert appointed by the Client, if any.
4. Follow any confidentiality requirements put forth by the Client throughout the said Project.
5. After the Project is commissioned, the same will be reviewed by the Client. Suggestion for any changes in the final integration etc. received from the Client, shall be incorporated without any extra cost before the project is finally commissioned and taken over.

6. All the hardware and software equipments utilized for the said work are the property of client for lifetime. No extra will be paid in this regarding. Any updation of software will be provided by OEM without any extra payment. Bidder will submit the letter of authorization from OEM.
7. The bidder should ensure that the deployed fixtures and fittings will have an operation and maintenance competent for 5 (Five) years, if there is any change in any design fixture from that in production, it shall be replaced with one of equal specification.
8. It is to be ensured that after sales service is available within a reasonable time for all equipment installed.
9. The Services shall be executed as per the statutory guidelines of the concerned authority(ies).
10. The bidder shall specify any needs from the Client for the project duration in a timely manner as per official protocol.
11. After successful completion of Operation and Maintenance period of 5 years, successful bidder will hand over all the equipment to the engineer-in-charge or representatives of engineer –in-charge.
12. Successful bidder will provide training to the representatives of client 3 Months prior completion of O&M.

6. Taxes and Duties:

The price quoted by the bidder shall be inclusive of all Taxes.

7. COMPLETION PERIOD :The completion period of 75 days indicated in the tender documents is for the entire work of planning, designing, etc., arrangement of materials & equipment’s, delivery at site including transportation, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-In-Charge.

21. PERIOD OF THE PROJECT: Part1:-Design, Supply, Installation, Testing and Commissioning– 75 days

Stage	Milestones	Timeline(in days)
I	DRAFT DESIGN: Submission of proposed design and feasibility studies for all buildings	D*+15
II	FINAL DESIGN: Submission of proposed design and feasibility studies for building after incorporation of Client inputs	D*+30
III	Supply of Materials	D*+60
IV	Installation of equipment	D*+70
V	Testing , commissioning and handing over of The system	D*+75

D\*-date of signing of contract

Part 2: - Operation and Maintenance - 5 (Five) years from completion of Part 1,

8. LIQUIDITY DAMAGES: The amount of daily financial liquidated damages imposed for breach of Contract will not exceed 10% of the total contract value. The CMD, ITPO reserves the right to impose further financial liquidated damages in case the work is not found satisfactory.

LIQUIDATED DAMAGES VALUE: For delay in completion & submission of the deliverable, the successful Bidder would be charged with liquidated damages as follows:

Delay(Weeks)	Liquidated damages % on the respective Payment Milestone value
2	3%
4	6%
8	10%

11. Terms of Payments:

A. Finalization and approval of detailed Design (After 2nd Milestone)	10% of Design and SITC work
B. Procurement of material as per BOQ by the successful bidder (3rd	50 % of Design

milestone)	and SITC work
C. Installation of the material (4th milestone)	15% of Design and SITC work
D. Testing, commissioning and programming (5th Milestone)	15 % of Design and SITC work
E. After completion of 1st year Operation and Maintenance (During DLP Period)	5 % of Design and SITC work
F. After completion of 2nd year Operation and Maintenance (During DLP Period)	5 % of Design and SITC work
G. Comprehensive Operation & Maintenance for 3 years after DLP	As per quoted Rate

11. **Mobilization Advance:** No mobilization advance shall be paid for the work, unless otherwise stipulated in tender papers for any individual works/ composite work.

9. **Completeness of Tender:** The quoted rates shall include all fittings, unit assemblies, accessories, hardware, foundations including civil works, bolts, terminal lugs for electrical connection, cable gland sand miscellaneous materials of accessories or items of work which are useful and necessary for efficient assembly and installation of the quoted items unless otherwise specifically indicated in the bid. The equipment shall be provided complete in all items whether such details have been mentioned or not.

10. **Storage and Custody of Materials:** The contractor has to make his own arrangement for the storage of the material at site & necessary watch and ward of the electrical installation during the execution of work till the same is handed over to the department. No extra payment will be made on this account. The storage space shall however be arranged by the department at site, if available. The contractor shall however be responsible for proper storage and safe custody of the same till their installation and handing over to the department.

11. **Design and Drawings for Approval on Award of the Work:** The contractor shall prepare and submit following design and drawings as per site condition and get them approved from the engineer-in-charge before the start of the work. Department will not supply any drawing. The approval of drawing however does not absolve the contractor of his responsibility to supply the equipment/materials as per agreement. In case of any contradiction between the approved drawings and agreement, the decision of the Engineer- in-charge shall be final and binding on the contractor. Drawing should include manufactures name(s), model numbers, ratings, power requirements, equipment layout, device arrangement, complete wiring point-to-point diagrams and conduit layout.

Nothing in this specification shall be construed to relieve the successful bidder of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.

12. **Machinery For Erection:**(i) All tools and tackles required for unloading/handling of equipment's and materials at site, their assembling, erection, testing and commissioning shall be the responsibility of the contractor. (ii) No T & P shall be issued by the Department and nothing extra shall be paid on account of this.

13. Care of the building and other structures / installations Care shall be taken by the contractor while handling and installing the various equipments and components of the work to avoid damage to the building and its surrounding roads, pavements, horticulture work, boundary wall, sewer and water lines etc. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

14. **Structural Alterations to Buildings:** (i) No structural member in the building shall be damaged/altered, without prior approval from the competent authority through the Engineer-In-charge. (ii) Structural provisions like openings, cutouts, if any, provided by the department for the work, shall be used. Where these required modifications or fresh provisions are required to be made, such contingent works shall be

carried out by the contract at his cost. (iii) All such openings in floors provided by the department shall be closed by the contractor after installing the cables/conduits/rising mains/GI&MS Pipe etc. as the case may be, by any suitable means as approved by the Engineer-In-charge without any extra payment.

**15. Inspection and Testing:** All major equipments shall be offered for initial inspection by the Engineer-In-Charge or officer authorized by him at manufacturer's works in India. The department may or may not inspect the material at its discretion. The contractor will intimate the date of testing of equipments at the manufacturer's works before dispatch. Contractor shall make all arrangements for inspection of material at works. Nothing Extra Shall be paid on this account. The department reserves the right to get the equipment inspected by third party inspection also. Such inspection shall be of following categories: A. Inspection of materials/ equipments to be witnessed at the manufacturer's premises/ at its authorized works in India, in accordance with relevant BIS/ Agreement Inspection Procedure. B. To receive material at site with manufacturer's Routine & Type Test certificates. C. To inspect material at the authorized dealer's go-down to ensure delivery of genuine material at site. D. To receive material after physical inspection at site. E. Relevant Indian Standards including amendments or revisions thereof up to the date of tender acceptance shall be applicable in the respective contracts for respective items, firm to ensure its compliance.

**16. Workmanship:** Good workmanship is an essential requirement to be complied with. The entire work of manufacture/fabrication, assembly and installation shall conform to sound engineering practice. Proper supervision/skilled workmen: The contractor shall be a licensed electrical contractor of appropriate class suitable for execution of the electrical work. He shall engage suitably/skilled/licensed workmen of various categories for execution of work supervised by super visors Engineer of appropriate qualification and experience to ensure proper execution of work. They will carry out instruction of Engineer-In-Charge and other senior officers of the Department during the progress of work. Use of quality materials: Only quality materials of reputed make as specified in the tender will be used in work.

**17. Testing:** All testes prescribed in this General Specification, to be done before, during and after installation, shall be carried out, and the test results shall be submitted to the Engineer-In Charge in prescribed Performa, forming part of the Completion Certificate.

**19. SAFETY CODE & LABOUR REGULATIONS:**

- a) In respect of all labour employed directly or indirectly on the work for the performance of the contractor's part of work, the contractor at his own expense, will arrange for the safety provisions as per the statutory provisions, B.I.S. Recommendations, Factory Act, workmen's compensation act, CPWD code and instructions issued from time to time. Failure to provide such safety requirements would make the tenderer liable for penalty for Rs. 200/- for each violation. In addition, the Engineer-In-Charge, shall be at liberty to make arrangements and provide facilities as aforesaid and recover the cost from the contractor.
- b) The contractor shall provide necessary barriers, warning signals and other safety measures wherever necessary so as to avoid accident. He shall also indemnify ITPO against claims for compensation arising out of negligence in this respect. Contractor shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause. The department shall not be responsible for any accident occurred or damage incurred or claims arising there from during the execution of work. The contractor shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the contractor due to the above provisions thereof.

**20. COMPLETION PERIOD :**The completion period of 75 days indicated in the tender documents is for the entire work of planning, designing, etc., arrangement of materials & equipment's, delivery at site including transportation, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-In-Charge.

**23. INSURANCE AND STORAGE:** All consignments are to be duly insured up to the destination from warehouse to warehouse at the cost of the contractor. The insurance covers shall be valid till the equipment is handed over duly installed, tested and commissioned.

**24. VERIFICATION OF CORRECTNESS OF EQUIPMENTS AT DESTINATION:** The contractor shall have to produce all the relevant records to certify that the genuine equipments from the manufacturers has been supplied and erected.

**25. PAINTING:** The major equipments shall be factory final finish painted. The agency shall be required to do only touching to the damages caused to the painting during transportation, handling & installation at site, if there is no major damage to the painting. However, hangers, supports etc. shall be painted with required shade including painting with two coats of anticorrosive primer paint at site as per the instructions of the engineer-in-charge.

Supply, installation, testing and commissioning of various light fixtures as described in the BoQ of light fixtures and as per approved drawing including all accessories, heat resistant flexible cables for final connections and terminations.

**26. OPERATION & MAINTENANCE:** The period of Operation, Maintenance and defect liability shall be 5 years after successful commissioning.

- a) The Contractor will be required to rectify any deficiencies which are attributable to defects in the workmanship or quality of materials, Plant or equipment during the Contract Period and defect liability period.
- b) The records maintained by the contractors shall be produced periodically to the Engineer-in-charge for proper monitoring as desired by ITPO.
- c) During O & M period the tenderer has to deploy one technician or engineer that has sound knowledge of façade light along with programming for all days for 5 years continuously without any break for Operation, Maintenance and Monitoring of the system. Reliever is under the scope of agency
- d) The comprehensive manual shall be submitted before the operation and maintenance period, as specified. It shall be periodically updated to incorporate the “best practices” experience gained while carrying out the O&M activities.
- e) The manual so prepared must be updated after the end of six month of operation and maintenance, giving effect to the experience gained and the observations made by the Department during the maintenance period.
- f) All personnel selected by the ITPO to be responsible for the operation, maintenance and repair of the facilities shall be provided with practical training in all aspects of the operation, maintenance and repair facilities.
- g) The scope of work shall include training of at least six personals nominated by ITPO, who can take over the O&M, after the O&M period as per contract is over. The tenderer shall submit separately, details of his proposed training program, the facilities required, and the training personnel to be provided. All costs for the tenderer’s personnel and the training facilities required for the training, and any incidental training expenses, shall be included in the bid price. The training shall be carried out at least 3 months prior to the completion of O&M period and the staff deputed by ITPO shall work hand in hand with the tenderers team during last 3 months of O&M, to help in proper transition of O&M.
- h) At the time of handing over after completion of O&M period, all the equipment, including standby equipment, must be in good working order as at the time of commission.
- i) Any breakdown calls under this contract, the agency shall attend the issue on site immediately within maximum 12 Hours of the email/message through any medium. In case of failure due to any unavoidable reasons/circumstances, the contractor has to attend the issue within next 12 hrs with consent of the Engineer-in-Charge. Failing to which, Liquidated damages for non-functioning fixtures/ fittings/ control will be as follows

S No.	Time frame in days of non-functioning Equipment/ fixture	Amount(Rs.)
1	1-2 days	1% of quarterly payment
2	2-5 days	5% of quarterly payment
3	5-10 days	10% of quarterly payment
4	More than10 days	25% of quarterly payment

**18. WARRANTIES/GUARANTEE:** The work carried out under this contract with all associated accessories, fixtures & fittings are to be guaranteed for trouble free maintenance and service. The warranty



should cover defects due to faulty manufacture, workmanship or material for minimum Five (5) year or as per OEM (if more than 05 years) from the date of commissioning and handed over with the requisite documentation. In case the testing of the plant/equipment is delayed for any reason, beyond 6 months the defects liability shall extend for a minimum period of 6 months from the date the test readings are accepted. Any manufacturing defect found in the equipments or components, or any part thereof so found defective during this period shall be repaired/ replaced by the Contractor free of charge to the satisfaction of the Engineer-in-Charge and as per terms and conditions of NIT/ agreement executed with ITPO. Any breakdown calls under this contract, the agency shall attend the issue on site immediately within maximum 12 Hours of the email/message through any medium. In case of failure due to any unavoidable reasons/circumstances, the contractor has to attend the issue within next 12 hrs with consent of the Engineer-in-Charge. Failing to which, penalty shall be imposed against the agency & recovered from the security deposit as mentioned above. In case it is felt by ITPO that undue delay is being caused by the contractor in attending the defect/fault removed, the same will be got done by the department at the risk and cost of the contractor payable from Security Deposit. The decision of Engineer-In-Charge in this regard shall be final.

27. The tenderer shall have to replace and make good if the material supplied is having any defect/damage/discrepancy/shortage.

28. The tenderer should provide the facility in conformity with the relevant codes, rules and regulations.

29. The tenderer should ensure that they provide all the documentation including general arrangement drawing wiring diagrams and instructions for installation and operation of the lighting fixtures.

30. The Tender will have to provide their engineer's in pre commissioning checks and tests and commissioning of the lighting fixtures.

31. The selected make of item should have its manufacturing facility in INDIA.

33. The tenderer must submit all relevant test certificate from OEM, NABL lab and quality certificate as mentioned in NIT.

34. The tenderer must submit completion certificate as per CPWD GCC norms.

35. As Build Drawings (a) The Contractor will supply four hard copies & softcopy of the as built drawings of completed work. (b) The cost of preparing all such items of work shall be deemed to have been included in the respective rates/ prices quoted by the Contractor in the "Bill of Quantities."

36. The EPF & ESI contribution on the part of contractor in respect of this contract which are already included in the rates and nothing shall be paid extra on account of EPF & ESIC.

37. The contractor shall submit the uploaded copy of ECR in the proof of EPF & ESI contribution of employees deployed in the work for verification by F & A division before submission of the bill of work done payment by department.

38. Labour laws & regulations shall be compiled by the contractor and all details of compliance of labour laws, regulations and payment details may be uploaded on ITPO website regularly by department.

39. The security @ 2.5% (deducted from bill) may be released after successful completion of 5 years operation and Maintenance period.

40. The contract can be closed by the department at any time without assigning any reason on the direction of Engineer-in-Charge, which shall be final and binding on the Contractor and agency shall not be allowed for any compensation due to this.

41. The quoted rates shall be inclusive of all taxes, duties etc. inclusive GST and nothing extra shall be paid on account of this.

42. In case the department (ITPO) withdraws works due to any other reason, this work order shall be terminated by the department with giving 1 (One) week prior notice to the agency. In this case, any type claim of the agency shall not be entertained by the department.

43. The rates quoted by the contractor shall be final & binding on the contractor & no escalation of prices in material, labor or other inputs shall be payable to the contractor even if the contract period is extended by Owner for any reason whatsoever.

44. The contractor to whom the work is awarded will have to sign the agreement on non-judicial stamp papers of Rs. 100.00 and the cost of such stamp paper will be borne by the contractor.

45. Agency has to submit Police Verification Certificate deployed at site.

## 17. RESOLUTION OF DISPUTES

In respect of any dispute or difference, if any, between the parties

### 17.1 ARBITRATION

In case of any dispute, both the parties shall make all efforts to resolve by way of conciliation process. In the event any doubt, dispute or difference arising out of or in relation to the Contract remains unresolved, both the parties to the Contract will mutually appoint a Sole Arbitrator, in accordance with the Arbitration and Conciliation Act, 1996.

The provisions of Arbitration & Conciliation Act, 1996 (as amended from time to time) shall apply to both the parties.

The fee payable to the Arbitrator shall be paid equally by both the parties. The language used in the arbitral proceedings shall be English.

The venue of the arbitration proceedings shall be the Office of ITPO, i.e. Bharat Mandapam, New Delhi.

### 17.2 JURISDICTION

All disputes arising out of and in relation to the contract between the parties herein shall be governed by Laws of India subject to the exclusive jurisdiction of the courts of Delhi only.

### 17.3 FORCE MAJEURE

If at any time, during the continuance of this Contract, the performance in whole or in part, by either party, of any obligation under this Contract is prevented or delayed, by reason of war, or hostility, acts of the public enemy, civic commotion, sabotage, act of State or direction from Governmental Authority, explosion, epidemic, pandemic, quarantine restriction, strikes and lockouts(as are not limited to the establishments and facilities of the Parties), fire, floods, natural calamities or any act of GOD (hereinafter referred to as "Event"), provided notice of happenings of any such Event is given by the affected party to the other, within 7 Calendar days from the date of occurrence thereof, neither Party shall, by reason of such event, be entitled to terminate this Contract, nor shall either Party have any such claims for damages/compensation/costs/expenses against the other, in respect of such non-performance or delay in performance provided the Contract shall be resumed as soon as practicable, after such Event comes to an end or ceases to exist. The decision of the CMD, ITPO as to whether the service may be so resumed (and the time frame within which the service may be resumed) or not, shall be final and conclusive, provided further that if the performance in whole or part of any obligation under this Contract is prevented or delayed by reason of any such event for a period exceeding 30 days, either party may, at its option, terminate the Contract.

### 17.4 INDEMNITY

Contractor/Agency shall indemnify, defend and hold ITPO and its officers/officials harmless against any and all proceedings, actions, losses, damages, expenses, costs and third party claims whatsoever – whether financial or otherwise, including liability for payment of contributions/dues to EPFO/ESIC/Govt. Departments/Local Bodies/Statutory Authorities etc. which ITPO may sustain, incur, suffer or be exposed to at any time during the subsistence of the Contract and subsequent thereto relating to the period of Contract, arising out of a breach by the Contractor/Agency, its sub-contractors, sub-agents, employees, etc. of any of its obligations under the Contract.

### 17.5 CONFIDENTIALITY

Contractor/Agency shall maintain high level of professional ethics and shall not act in any manner, which is contrary to any laws and/or detrimental to ITPO's interest. Contractor/Agency shall treat as confidential any and all data, information and records, obtained/received in the performance/execution of its responsibilities, in strict confidence and shall not reveal such data, information or records to any other person/party without the prior written approval of the ITPO, even after expiry/termination/determination of the Contract. ITPO shall take necessary legal and other remedial actions for infringement of this clause.

### 17.6 INTELLECTUAL PROPERTY RIGHTS

ITPO's name/logo/other IPRs shall be the sole and exclusive property of ITPO only. For any misuse/misrepresentation/unauthorized use of ITPO's name/logo/IPRs by the Contractor/Agency and/or their sub-agents/sub-contractors/employees etc., the Contractor/Agency shall be held solely responsible. ITPO shall not be responsible for any harm or loss caused to any third party because of any such misuse/misrepresentation/unauthorized use of ITPO's name/logo/IPRs. Contractor/Agency shall indemnify ITPO against any misuse/misrepresentation/unauthorized use of ITPO's name/logo/IPRs and/or any claim(s) relating to infringement of any intellectual property rights committed by them/their sub-agents/sub-contractors/employees etc. ITPO shall take necessary legal and other remedial actions, as deemed fit, for such violations.

### 17.7 COMPLIANCE WITH STATUTORY LAWS

All applicable laws (Central/State/Municipal/Local Laws etc.) including labour laws must be complied with/followed by the contractor/agency.

### 17.8 DISCLAIMER

The information contained in this Bid Document or subsequently provided to Bidders, whether verbally or in documentary form or otherwise by or on behalf of ITPO, or by any of its employees, is provided to Bidders on the terms and conditions set out in this Bid document and such other terms and conditions subject to which such information is provided.

This Bid document is neither an agreement nor an offer by ITPO to the prospective Bidders or any other person. The purpose of this Bid document is to provide interested parties with information to assist in the formulation of their proposals for selection pursuant to this Bid. The assumptions, assessments, statements and information contained in this Bid document may not be complete, accurate, adequate or correct and each Bidder should conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments and information contained in this Bid document and obtain independent advice from appropriate sources.

ITPO, or its employees, make no representation or warranty and shall have no liability to any person, including any Bidder, under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this Bid or otherwise, including the accuracy, adequacy, correctness, reliability or completeness of the Bid and any assessment, assumption or information contained therein or deemed to form part of this Bid document.

ITPO may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, its assessment or assumptions contained in this Bid document. Such changes shall be intimated to all the Bidders. In case additional period for submission, if required due to such amendments, is necessitated the same shall be intimated to all the Bidders.

The issue of this Bid document does not imply that ITPO is bound to select or to appoint any Bidder for the contract and it reserves the right to reject all or any of the Bidders without assigning any reasons whatsoever.

ITPO reserves the right not to proceed with the Bidding Process at any time or stage, without notice or liability, and to reject any or all Bid(s) without assigning any reasons whatsoever.

Senior Manager (Elect.)

18. MINIMUM WAGES

Description	Unit	Rate (Rs.)
Wireman, Grade -1	1 day	954.00
Fitter, Grade - 1	1 day	954.00
Fitter, Grade -2	1 day	868.00
Mason, Grade- 2	1 day	868.00
Painter	1 day	868.00
Khallasi	1 day	783.00

19. AGREEMENT

AN AGREEMENT is made this ..... Day of ..... two thousand ..... between the India Trade Promotion Organization, A company incorporated under the Companies Act, 1956 and with its registered office at Bharat Mandapam, New Delhi – 110001, which expression shall include its successor, unless repugnant to or excluded by the contract here of and assignees of and represented by its Managing Director, ITPO the first party (hereinafter called the Authority) and by its sole Proprietor/Partner/Managing Director ..... Residence of .....(which expression shall be include his/its successors heirs, executors, representatives and or assignees of the second party (hereinafter called the contractor).

WHEREAS the Authority had, under Notification ..... dated ..... invited tenders for the workof .....

WHEREAS the contractor has submitted tender for carrying out the .....as per the tender documents page 1 to page..... and has represented that in conformity with his/its obligation contained in the tender as modified by the correction slips and corrigendum contained, he/it shall carryout the same truly, faithfully and honestly.

THE SAME has been accepted by both the parties on the terms and conditions, corrections, corrigendum contained in the tender as modified as well as the letter of acceptance issued party No.1 annexed here to as.

The same shall be binding on both the parties.

IN WITNESS WHERE OF, the parties have signed the deed of agreement on the date month and year referred to above.

Date the

AT New Delhi

WITNESS:

Party No.1

Party No.2