

**SBI INFRA MANAGEMENT SOLUTIONS PVT. LTD.**

(A Wholly Owned Subsidiary of SBI)

HEAD OFFICE

Ground Floor, Raheja Chamber, Free press Journal Marg, Nariman Point, Mumbai 400 021

**Part – I**

**(Technical Bid)**

**SITC OF LED LIGHT FITTINGS IN CDC 2<sup>nd</sup> AND 3<sup>rd</sup> FLOOR, GITC BUILDING, AT SECTOR 11, CBD BELAPUR, NAVI MUMBAI.**

**THROUGH E-TENDER**

**Tender no.: GIT202001081**

**Contractor should possess valid digital signature for this e-tender.**

**PART – A : TECHNICAL BID**

**TENDER SUBMITTED BY:**

**NAME** : \_\_\_\_\_  
**ADDRESS with e Mail** : \_\_\_\_\_  
\_\_\_\_\_  
**GSTIN NO** : \_\_\_\_\_  
**DATE** : \_\_\_\_\_

**SBI INFRA MANAGEMENT SOLUTIONS PVT.LTD.**  
**Circle Office, 1st Floor, 'C' wing State Bank Global IT Center,**  
**Plot no.8, 9, 10, Sector 11, CBD Belapur, Navi Mumbai 400614.**  
**Telephone:- 022 27537416**  
**headgitc.sbiims@sbi.co.in**

Signature of Contractor with Seal

**NOTICE INVITING TENDERS**

SBIIMS on behalf of SBI invites “online item rate E-tender” from the OEMs of the approved make light fittings/ authorized dealers / distributors of the approved make light fittings and **empaneled electrical contractors** in SBIIMS. (Proof to be attached with tender).

**Approved makes: Philips / GE Lighting / Havells / Osram / Crompton Greaves / Anchor Panasonic / Wipro**

The details of tender are as under:

S.No.	Description	
1.	Name of work	SITC OF LED LIGHT FITTINGS IN CDC 2 <sup>nd</sup> AND 3rd FLOOR, GITC BUILDING, AT SECTOR 11, CBD BELAPUR, NAVI MUMBAI.
2.	Nature of Work	Supplying, Testing & Commissioning of LED Light fittings
3.	Time allowed for completion	<b>20 Days</b>
4.	Tender Processing Fees (Non-refundable)	Rs. 1,000/- Should be paid Through <u>SBI Collect</u> only by using SBI Internet Banking web-site <a href="http://www.onlinesbi.com">www.onlinesbi.com</a> (Detailed information about how to pay tender processing fees online mentioned in Annexure below).
5.	Earnest Money Deposit	<b>Rs.8,500/- (Rupees Thousand Only) by means of Demand Draft / Pay Order</b> (Valid for a period of 90 Days from the last date of submission of the tender) from any scheduled Nationalized Bank drawn <b>in favour of SBI Infra Management Solutions Pvt. Ltd. and payable in Mumbai.</b>
6.	Initial Security Deposit	2% of contract amount including EMD
7.	Date of issue of tender documents form Bank's website	<b>22.01.2020 to 12.02.2020</b> <a href="http://www.sbi.co.in">www.sbi.co.in</a> under <Link>procurement news.
8.	Date of Pre-Bid Meeting at Site (Expenses will be borne by the bidder only the Bank will not reimburse the same.	<b>30.01.2020</b> At GITC Building, Sector-11, CBD Belapur, Navi Mumbai.at 11.00 am 022 27537416
9	Last date & time for submission of Technical bid, EMD and cost of tender document	12.02.2020 <b>by 3.00 PM</b>
11	Date & time for Opening of Technical bid, of tender document	12.02.2020 <b>by 3.30 PM</b>
12.	Address at which Technical bid (hard copy) along with EMD & tender processing fees has to be submitted.	Vice President & Circle Head, SBIIMS, GITC Circle Office, State Bank of India, GITC Building, 1 <sup>st</sup> floor C Wing, Sector 11, CBD Belapur, Navi Mumbai. <b>022 27537416</b> <b>headgitc.sbiims@sbi.co.in</b>

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13	Intimation to Technically Qualified bidders	Shall be communicated by e-mail
14	Last date, time and Mode of submission of Price Bid (Part-2) To be submitted online through E-tendering process by those who are qualified in Technical bid (Part-1)).	<u>Will be informed to the qualified bidders in Technical bid)</u>
15.	Date & time of E-Reverse Auction	The date and Time of E-reverse auction to be intimated through mail to technically eligible bidders after technical evaluation
16.	Place of opening tenders	Vice President & Circle Head, SBIIMS, GITC Circle Office, State Bank of India, GITC Building, 1 <sup>st</sup> floor C Wing, Sector 11, CBD Belapur, Navi Mumbai.
17.	Liquidated Damages	0.50% of contract amount per weeks subject to max. 5% of contract value or final bill value.
18.	Defects liability period	One year
19.	Validity of offer	90 days from the date of opening of Price-bid
20.	Payment Terms	No advance on materials / transportation etc. shall be paid under any circumstances. 75% after receiving the material in good condition, 20% after installation of the LED light fittings and remaining 5% after successful completion of the defect liability period of 1 year. (The 5% amount may be released against B.G. of equivalent amount issued by any Nationalized /Scheduled Bank)
21	<b>Price Bid</b>	<u>Will be informed to the qualified bidders in Technical bid)</u>

**ANNEXURE- (Tender Processing fees method)**

**PROCESS FOR SUBMISSION OF TENDER PROCESSING FEES THROUGH SBI COLLECT APPLICATION.**

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The steps involved in making the payment through **SB Collect towards Cost of Tender** are as under :-

1. The Vendor needs to use SBI internet banking site <https://www.onlinesbi.com/>.
2. Select "**SB Collect**" from Top Menu, that will lead to the next page:
3. "**Proceed**" will lead to the next page:
4. Select "**All India**" in "State of Corporate / Institution" & Select "**Commercial Services**" in "Type of Corporate / Institution".
5. "**Go**" will lead to the next page:
6. Select "**SBI Infra Management Solutions**" in Commercial Services Name and "**Submit**"
7. Select "**Tender Application Fee**" in "Payment Category" and enter the "**Tender ID**" exactly as we preloaded with characters in Uppercase only in place of Circle Codes.
8. The next Page will be ready with few of the Preloaded Tender Details:
9. The Vendor will have to fill up the fields properly and upon making the payment a receipt will be generated with a Reference No.

**NOTE** : Any type of vendor, whether dealing with SBI or other bank can use this SB Collect facility.

*Even a contractor not dealing with any bank can use this portal and generate challan and deposit by cash in any SBI branch. The bank charges for cash deposit will be also borne by the vendor himself.*

**Procedure for payment of Tender Fee through SB Collect payment portal:**

**FORM TENDER**

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To,  
 Vice President & Circle Head,  
 SBIIMS, GITC Circle Office,  
 State Bank of India,  
 GITC Building, 1<sup>st</sup> floor C Wing,  
 Sector 11, CBD Belapur,  
 Navi Mumbai.

Dear Sir,

Having examined the drawings, specification, design and schedule of quantities relating to the works specified in the memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto as affecting the tender, I/We hereby offer to execute the works specified in the said memorandum at the rates mentioned in the attached Schedule of Quantities and in accordance in all respects with the specifications, design, drawings and instructions in writing referred to in conditions of tender, the Articles of Agreement, Special Conditions, Schedule of Quantities and Conditions of Contract and with such materials as are provided for by, and in all other respects in accordance with such conditions so far as they may be applicable.

MEMORANDUM

SR. NO.	CLASSIFICATION OF WORK	
1	SITC OF LED LIGHT FITTINGS IN CDC 2 <sup>nd</sup> AND 3 <sup>rd</sup> FLOOR, GITC BUILDING, AT SECTOR 11, CBD BELAPUR, NAVI MUMBAI.	
	Time allowed for completion of the Works from fourteenth day after the date of written order or date of handing over of the site (whichever is later) to commence the work	8 weeks

Detailed application forms and further details for pre-qualification can be downloaded from Bank's website [www.sbi.co.in](http://www.sbi.co.in) under "PROCUREMENT NEWS". The application form should be accompanied with online payment of application fees of Rs. 1000/- (non-refundable) payable to SBIIMS through SB Collect and EMD of Rs.8,500.00 in the form of DD/Bankers Cheque drawn in favour of SBI and payable at Mumbai.

1) Our Bankers are:

- i)
- ii)

The names of partners of our firm are:

- i)
- ii)

Name of the partner of the firm

Authorized to sign

Or

(Name of person having Power of Attorney to sign the Contract.

(Certified true copy of the Power of Attorney should be attached)

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Yours faithfully,

Signature of Contractors.

Signature and addresses of Witnesses

i)

ii)

### **SAMPLE BUSINESS RULE DOCUMENT**

ONLINE E-TENDERING FOR SITC OF LED LIGHT FITTINGS IN CDC 2<sup>nd</sup> AND 3<sup>rd</sup> FLOOR, GITC BUILDING, AT SECTOR 11, CBD BELAPUR, NAVI MUMBAI

#### **(A) Business rules for E-tendering:**

1. Only empaneled contractors with SBIIMS PVT. LTD. under appropriate category who are invited by the project Architect/SBIIMS shall only be eligible to participate.
2. SBIIMS PVT.LTD. will engage the services of and E-tendering service provider who will provide necessary training and assistance before commencement of online bidding on Internet.
3. In case of e-tendering, SBIIMS will inform the vendor in writing, the details of service provider to enable them to contact and get trained.
4. Business rules like event date, closing and opening time etc. also will be communicated through service provider for compliance.
5. Contractors have to send by email, the compliance form in the prescribed format (provided by service provider), before start of E-tendering. Without this the vendor will not be eligible to participate in the event.
6. The Contractors will be required to submit the various documents in sealed Envelope to the office of SBI Infra Solutions Pvt Ltd. at the address mentioned hereinbefore by the stipulated date i.e. (1) Hard Copy of Technical Bid duly signed and stamped on each page (2) Demand Draft of specified amount of EMD (3) Demand Draft of Cost of Tender documents (4) Certified copy of A-Class Electrical License). Contractors not submitting any one or more documents shall not be eligible to participate in the on line price bidding.
7. E-tendering will be conducted on schedule date & time.
8. **The e-tendering will be treated as closed only when the bidding process gets closed in all respects for the item listed in the tender.**

#### **(B) Terms & conditions of E-tendering:**

SBIIMS PVT.LTD. shall finalize the Tender through e-tendering mode for which M/s E-Procurement Technologies Ltd has been engaged by SBIIMS an authorized service

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provider. Please go through the guidelines given below and submit your acceptance to the same along with your Commercial Bid.

1. E-tendering shall be conducted by SBIIMS through **M/s E-Procurement Technologies Ltd** on pre-specified date. While the Contractors shall be quoting from their own offices/ place of their choice, Internet connectivity and other paraphernalia requirements shall have to be ensured by Contractors themselves. In the event of failure of their Internet connectivity, (due to any reason whatsoever it may be) it is the bidders' responsibility. In order to ward-off such contingent situation bidders are requested to make all the necessary arrangements/ alternatives such as back-up power supply whatever required so that they are able to circumvent such situation and still be able to participate in the E-tendering successfully. Failure of power at the premises of Contractors during the E-tendering cannot be the cause for not participating in the E-tendering. On account of this the time for the E-tendering cannot be extended and SBIIMS Pvt. Ltd. is not responsible for such eventualities.
2. M/s E-Procurement Technologies Ltd shall arrange to train your nominated person(s), without any cost to you. They shall also explain you all the Rules related to the E-tendering. You are required to give your compliance on it before start of bid process.
3. BIDDING CURRENCY AND UNIT OF MEASUREMENT: Bidding will be conducted in Indian currency & Unit of Measurement will be displayed in Online E-tendering.
4. BID PRICE: The Bidder has to quote the rate as per the Tender Document provided by SBIIMS Pvt. Ltd. their appointed Architects.
5. VALIDITY OF BIDS: The Bid price shall be firm for a period specified in the tender document and shall not be subjected to any change whatsoever.
6. Procedure of E-tendering:
  - i. Online E-tendering :
    - (a) The hard copy of the Technical as well as Price Bid are available on the Bank's website during the period specified in the NIT.
    - (b) Online e-tendering is open to the empaneled bidders who receive NIT and qualified for participating in the price bidding as provisions mentioned hereinabove through SBIIMS approved Service Provider.
    - (c) The Price-Bid shall be made available online by the Service Provider wherein the contractors will be required to fill-in their Item-wise rates for each item.
    - (d) The Contractors are advised not to wait till the last minute to submit their online item-wise quote in the price bid to avoid complications related with internet connectivity, network problems, system crash down, power failure, etc.
    - (e) It is mandatory to all the bidders participating in the price bid to quote their rates for each and every item.
    - (f) In case, contractor fails to quote their rates for any one or more tender items, their tender shall be treated as **"Incomplete Tender"** and shall be liable for rejection.
7. LOG IN NAME & PASSWORD: Each Bidder is assigned a Unique User Name & Password by M/s E-Procurement Technologies Ltd. The Bidders are requested to change the Password after the receipt of initial Password from M/s E-Procurement

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Technologies Ltd . All bids made from the Login ID given to the bidder will be deemed to have been made by the bidder.

8. BIDS PLACED BY BIDDER: Bids will be taken as an offer to execute the work as specified. Bids once made, cannot be cancelled / withdrawn and the Bidder shall be bound to execute the work at the quoted bid price. In case the L-1 Bidder backs out or fail to complete the work as per the rates quoted, SBIIMS shall at liberty to take action as deemed necessary including de-paneling such contractors and forfeiting their EMD.
9. At the end of the E-tendering, SBIIMS Pvt. Ltd. will decide upon the winner. SBIIMS Pvt. Ltd. decision on award of Contract shall be final and binding on all the Bidders.
10. SBIIMS shall be at liberty to cancel the E-tendering process / tender at any time, before ordering, without assigning any reason.
11. SBIIMS shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause.
12. Other terms and conditions shall be as per your techno-commercial offers and other correspondences till date.
13. OTHER TERMS & CONDITIONS:
  - The Bidder shall not involve himself or any of his representatives in Price manipulation of any kind directly or indirectly by communicating with other suppliers / bidders.
  - The Bidder shall not divulge either his Bids or any other exclusive details of SBIIMS Pvt. Ltd. to any other party.
  - SBIIMS Pvt. Ltd. decision on award of Contract shall be final and binding on all the Bidders.
  - SBIIMS Pvt. Ltd. reserve their rights to extend, reschedule or cancel any E-tendering within its sole discretion.
  - SBIIMS or its authorized service provider M/s E-Procurement Technologies Ltd shall not have any liability to Bidders for any interruption or delay in access to the site irrespective of the cause.
  - SBIIMS or its authorized service provider M/s E-Procurement Technologies Ltd is not responsible for any damages, including damages that result from, but are not limited to negligence.
  - SBIIMS or its authorized service M/s E-Procurement Technologies Ltd will not be held responsible for consequential damages, including but not limited to systems problems, inability to use the system, loss of electronic information etc.

N.B.

- All the Bidders are required to submit the Process Compliance Statement (Annexure II) duly signed to M/s E-Procurement Technologies Ltd .
- **All the bidders are requested to ensure that they have a valid digital signature certificate well in advance to participate in the online event.**

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**PROCESS COMPLIANCE STATEMENT (ANNEXURE II)**

(The bidders are required to print this on their company's letter head and sign, stamp before emailing)

To,  
M/s E-Procurement Technologies Ltd

AGREEMENT TO THE PROCESS RELATED TERMS AND CONDITIONS FOR THE ONLINE E-TENDERING FOR STC OF LED LIGHT FITTINGS AT 4<sup>TH</sup> FLOOR, C & D WING, GITC BUILDING, SECTOR 11, CBD BELAPUR, NAVI MUMBAI.

Dear Sir,

This has reference to the Terms & Conditions for the E-tendering mentioned in the Tender document

This letter is to confirm that:

- 1) The undersigned is authorized representative of the company.
- 2) We have studied the Commercial Terms and the Business rules governing the E-tendering as mentioned in RFP of SBIIMS Pvt. Ltd. as well as this document and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the E-tendering tool and have understood the functionality of the same thoroughly.
- 4) We confirm that SBIIMS Pvt. Ltd. and M/s. E-tendering Technologies Ltd. shall not be liable & responsible in any manner whatsoever for my/our failure to access & bid on the e-E-tendering platform due to loss of internet connectivity, electricity failure, virus attack, problems with the PC, any other unforeseen circumstances etc. before or during the E-tendering event.
- 5) We confirm that we have a valid digital signature certificate issued by a valid Certifying Authority.
- 6) We, hereby confirm that we will honor the Bids placed by us during the E-tendering process.

With regards,

Date:

Signature with company seal

Name:

Company / Organization:

Designation within Company / Organization:

Signature of Contractor with Seal

Address of Company / Organization:

Scan it and send to this Document on -----

**SECTION – 1**

**INSTRUCTIONS TO THE TENDERERS**

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## 1.0 Scope of work

Sealed Tenders are invited on behalf of **SBI** by SBIIMS, for SITC OF LED LIGHT FITTINGS at , GITC Building, Sector 11, CBD Belapur, Navi Mumbai.

The proposed STC Of LED Light Fittings is to be carried out at 2<sup>nd</sup> and 4<sup>th</sup> floor, C & D Wing, GITC Building, Sector 11, CBD Belapur, Navi Mumbai.

## 2.0 Tender documents

2.1 The work has to be carried out strictly according to the conditions stipulated in the tender consisting of the following documents and the most workmen like manner.

### Instructions to tenderers & General conditions of Contract

2.2 Complete set of tender documents including relative drawings can be downloaded from the website [www.sbi.co.in](http://www.sbi.co.in)

2.3 The tender documents are not transferable.

## 3.0 Site Visit

## 4.0 Earnest Money

4.1 The tenderers are requested to submit the Earnest Money of **Rs. 8,500/- (Rupees Eighty Five Thousand Only)** by means of Demand Draft / Pay Order (Valid for a period of 90 Days from the last date of submission of the tender) from any scheduled Nationalized Bank drawn **in favour of SBI Infra Management Solutions Pvt. Ltd. and payable in Mumbai.**

4.2 EMD in any other form other than as specified above will not be accepted. Tender not accompanied by the EMD in accordance with clause 4.1 above shall be rejected.

4.3 No interest will be paid on the EMD.

4.4 EMD of unsuccessful tenderer will be refunded within 30 days of award of Contract.

4.5 EMD of successful tenderer will be retained as a part of security deposit.

5.0 **Payments: No advance payment will be made. No advance on materials / transportation etc. shall be paid under any circumstances. 75% after receiving the material in good condition, 20% after installation of the LED light fittings and remaining 5% after successful completion of the defect liability period of 1 year. (The 5% amount may be released against B.G. of equivalent amount issued by any Nationalized /Scheduled Bank)**

## 6.0 Security Deposit

6.1 Total security deposit shall be 5% of contract value. Out of this 2% of contract value is in the form of Initial Security Deposit (ISD) which includes the EMD. Balance 3% shall be deducted from the running account bill of the work at the rate of 10% of the respective running account bill i.e., deduction from each running bill account will be

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@10% till Total Security Deposit (TSD) including ISD reaches to 5% of contract value. The 50% of the Total Security Deposit shall be paid to the contractor on the basis of architect's certifying the virtual completion. The balance 50% would be paid to the contractors after the defects liability period as specified in the contract.

#### **7.0 Signing of contract Documents**

The successful tenderer shall be bound to implement the contract by signing an agreement and conditions of contract attached herewith within 3 days from the receipt of intimation of acceptance of the tender by the Bank. However, the written acceptance of the tenders by the Bank will constitute a binding agreement between the Bank and successful tenderer whether such formal agreement is subsequently entered into or not.

#### **8.0 Completion Period**

Time is essence of the contract. The work should be completed in all respect accordance with the terms of contract within a period of 8 weeks from the date of award of work.

#### **9.0 Validity of tender**

Tenders shall remain valid and open for acceptance for a period of 90 days from the date of opening price bid. If the tenderer withdraws his/her offer during the value period or makes modifications in his/her original offer which are not acceptable to Bank without prejudice to any other right or remedy the Bank shall be at liberty forfeit the EMD.

#### **10.0 Liquidated Damages**

The liquidated damages shall be 0.50% per week subject to a maximum of 5% of contract value.

#### **11.0 Rate and prices:**

##### **11.1 In case of item rate tender**

11.1.1 The tenderers shall quote their rates for individual items both in words and figure. In case of discrepancy between the rate quoted in words and figures, the unit rate quantity in words will prevail. If no rate is quoted for a particular item the contractor shall not be paid for that item when it is executed.

The amount of each item shall be calculated and the requisite total is given. In case of discrepancy between the unit rate and the total amount calculated from multiplication of unit rate and the quantity the unit rate quoted will govern and the amount will be corrected.

11.1.2 The tenderers need not quote their rates for which no quantities have been given. In case the tenderers quote their rates for such items those rates will be ignored and will not be considered during execution.

11.1.3 The tenderers should not change the units as specified in the tender. If any unit is changed the tenders would be evaluated as per the original unit and the contractor would be paid accordingly.

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The tenderer should not change or modify or delete the description of the item. If any discrepancy is observed he should immediately bring to the knowledge of the Architect/ SBIIMS Pvt. Ltd.

11.1.4 Each page of the BOQ shall be signed by the authorized person and cutting or overwriting shall be duly attested by him.

11.1.5 Each page shall be totaled and the grand total shall be given.

**11.1.6 The rate quoted shall be firm and shall include all costs, allowances, loading unloading etc. except G.S.T, which shall be payable / reimbursed at actuals.**

11.1.7 The SBIIMS Pvt. Ltd. reserve their rights to accept any tenders, either in whole or in part or may entrust the work in phases or may drop the part scope of work at any stage of the project within its sole discretion without assigning any reason(s) for doing so and no claim / correspondence shall be entertained in this regard.

11.1.8 In case it is decided by the SBIIMS Pvt. Ltd. to drop one or more items from the scope of work at any stage of the project, the contractor shall not be entitled to raise any claim / compensation for such deleted scope of work. Also, the SBIIMS Pvt. Ltd. may consider issuing work order for various items in phases but within a reasonable time interval and the contractor shall be bound to execute the same within the stipulated time period and as per rates quoted by them in this tender without any claim for price escalation.

SIGNATURE OF THE CONTRACTOR

WITH SEAL

### LETTER OF DECLARATION

To,  
Vice President & Circle Head,  
SBIIMS, GITC Circle Office,  
State Bank of India,  
GITC Building, 1<sup>st</sup> floor C Wing,  
Sector 11, CBD Belapur,  
Navi Mumbai.

Dear Sir,

STC OF LED LIGHT FITTINGS AT, GITC BUILDING, SECTOR 11, CBD BELAPUR,  
NAVI MUMBAI.

Having examined the terms & conditions, drawings, specifications, design relating to the works specified in the memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto and affecting the quotation, I/We hereby offer to

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execute the works specified in the said memorandum within the time specified in the said memorandum on the item rate basis mentioned in the attached schedule and in accordance in all respect with the specifications, design, drawings and instructions in writing referred to in conditions of Tender, the articles of agreement, conditions of contract and with such conditions so far as they may be applicable.

### MEMORANDUM

(a)	Description of work	SITC OF LED LIGHT FITTINGS at GITC Building, Sector 11, CBD Belapur, Navi Mumbai.
(b)	Earnest Money	<b>Rs. 8,500/- (Rupees Eight Thousand Five Hundred Only)</b> by means of Demand Draft / Pay Order from any scheduled Nationalized Bank drawn in favour of SBI Infra Management Solutions Pvt. Ltd. and payable in Mumbai.
(c)	Time allowed for completion of work from the date of issue of work order.	8 weeks from the date of commencement as per tender.

Should this tender be accepted, I/we hereby agree to abide by and fulfill the terms and provisions of the said conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit and pay to SBIIMS PVT.LTD., the amount mentioned in the said conditions.

I/we have deposited Demand Draft / Banker's Cheque / FDR for a sum of **Rs. 8,500/- (Rupees Eight Thousand Five Hundred Only)** as Earnest money deposit with the SBI Infra Management Solutions Pvt. Ltd. Should I/we do fail to execute the contract when called upon to do so, I/we hereby agree that this sum shall be forfeited by me/us to SBI Infra Management Solutions Pvt. Ltd.

We understand that as per terms of this tender, the SBIIMS Pvt. Ltd. may consider accepting our tender in part or whole or in phases. We, therefore, undertake that we shall not raise any claim / compensation in the eventuality of Bank deciding to drop any of the building / buildings from the scope of work of this tender at any stage during the contract period. Further, we also undertake to execute the work entrusted to us in phases on our approved rates and within the stipulated time limit without any extra claim for price escalation as provided for in Clause 11.1.7 and 11.1.8 "Instructions to Tenderers" of this tender.

We, hereby, also undertake that, we will not raise any claim for any escalation in the prices of any of the material during the currency of contract/execution/completion period.

Yours faithfully,

Signature of contractor  
With Seal

Signature of Contractor with Seal

## **TECHNICAL REQUIREMENTS**

### **1 GENERAL REQUIREMENTS**

- 1.1** All fixtures shall be complete with accessories and fixings necessary for installation whether so detailed under fixture description or not
- 1.2** Fixture housing, frame or canopy shall provide a suitable cover for the fixture outlet box of fixture opening
- 1.3** Fixtures and/or fixture outlet boxes shall be provided with hangers to adequately support the complete weight of the fixture. Design of hangers and method of fastening other than shown on the drawings or herein specified shall be submitted to the client's representative for approval
- 1.4** Fixture shall be completely wired and constructed to comply with the regulations and standards for Electric Lighting Fixtures, unless otherwise specified. Fixtures shall bear manufacturer's name and the factory inspection label unless otherwise approved
- 1.5** Wiring within the fixture and for connection to the branch circuit wiring shall be not less than 1.5 sq.mm. copper for 250 Volt application. Wire insulation shall suit the temperature conditions inside the fixture and wires bypassing the choke shall be heat protected with a heat resistant sleeve
- 1.6** Metal used in lighting fixtures shall be not less than 22 SWG or heavier if so required to comply with specifications or standards. Sheet steel reflectors shall have a thickness of not less than 20 SWG. The metal parts of the fixtures shall be completely free from burrs and tool marks. Solder shall not be used as mechanical fastening device on any parts of the fixture
- 1.7** Ferrous metal shall be bonderized and given a corrosion resistant phosphate treatment or other approved rust inhibiting prim coat to provide a rust-proof base before application of finish
- 1.8** Non-reflecting surfaces such as fixture frames and trim shall be Alluminium die cast
- 1.9** All the fixtures are as per the IP - 54 insulation class
- 1.10** Vendor shall be responsible for measuring the level of illumination after installation
- 1.11** Lighting fixtures shall be designed for minimum glare and for continuous operation under specified atmospheric condition
- 1.12** All fixtures shall be complete with accessories like power factor improvement capacitors, ballast, ignitor etc
- 1.13** Very flat aluminium section with colour highlighted, flush-integrated end caps of anodized aluminium. Visible construction height 18 mm. With integrated plastic cover of polycarbonate for protection of the indirect optic against soiling. Includes 2-point wire suspension in Y-form and transparent cable for suspension heights to 1500 mm.···01 White.

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**2. OPTICAL SYSTEM**

- 2.1** Direct/indirect distribution. 48 high power LEDs, integrated in separate mini LED louvers with UXP-Technology®. 8 LED segments as square cooling units integrated into the luminaire body ensure optimal thermal management, whereby six have indirect, symmetrical light distribution and the remaining 2 on the outside have direct, asymmetrical distribution. LED with constant colour stability and a colour rendering index of  $R_a > 80$  over the complete service life.
- 2.2** Lighting fixture reflectors shall generally be manufactured from sheet steel of aluminium of not less than 20 SWG. They shall be readily removable from the housing for cleaning and maintenance without disturbing the lamps and without the use of tools. They shall be security mounted to the housing by means of positive fastening devices of a captive type.
- 2.3** Polystyrene egg-box type louvers shall be provided whenever specified. Appropriate captive type fixing devices shall be incorporated for securing these.

**3. BALLAST**

- 3.1** Lighting fixtures ballasts shall be designed manufactured and supplied in accordance with the relevant standard IS 6616 and shall function satisfactorily under site conditions specified. The ballasts shall have a long service life and low power loss
- 3.2** Ballasts shall be mounted using self-licking, anti-vibration fixings and shall be easy to remove without removing the fittings
- 3.3** Ballast shall contain a thermosetting type compound not subject to softening or liquefying under any operating conditions or upon ballast failure. The ballasts shall be of the inductive and heavy duty type Filled with polyester of equivalent. They shall be free from hum and protected from the atmospheres. Ballasts which produce a humming sound shall be replaced free of cost by the supplier. HPMV lamp ballasts shall be provided with suitable tapings

**4. STARTERS**

- 4.1** Lighting fixtures starters shall be of the safety type (i.e. if the lamps fails to ignite at the first start, no further starting must be possible without attending to the tube light. Starters shall have bimetal electrodes and high mechanical strength
- 4.2** Starters shall be replaceable without disturbing the reflector or lamps and without the use of any tool. Starters shall have brass contacts and radio interference capacitor

**5. CAPACITORS**

- 5.1** Lighting fixture capacitors shall have a constant value of capacitors and shall be connected across the supply of individual lamp circuits
- 5.2** Each capacitor shall be suitable for operation at 240 volts  $\pm 5\%$  single phase 50 Hz with a suitable value of capacitor so as to correct the power factor of lists corresponding lamp circuit to the extent of 0.98 lag
- 5.3** The capacitors shall be hermitically sealed preferably in metal container to prevent seepage of impregnating material and ingress of moisture



**6. LAMP HOLDER**

- 6.1 Lamp holders for fluorescent tubes shall be of the spring loaded, low contact resistance, bi-pin rotor type, resistant to wear and suitable for operation at the specified temperature, without deterioration in insulation value, contact resistance of lamp holding quality. They shall hold the lamp in position under normal conditions of shock and vibration
- 6.2 Lamp-holders for incandescent and HPSV lamps shall be of G.L.S. type manufactured in accordance with relevant standards and designed to give long and satisfactory service

**7. LUMINAIRES**

- 7.1 LED suspended luminaire. With 6 LED indirect symmetrical segments, 2 LED segments with asymmetric direct distribution. With 48 high power LEDs, neutral white light colour, colour temperature 4000 K, colour rendering index Ra > 80, integrated in separate mini-LED louver with UXP technology. Luminaire luminous flux 6000 lm. Total power consumption 102 W. Construction height 18 mm. LED segments flush integrated into the square luminaire body ensure optimal thermal management. With integrated plastic cover for protection of optics against soiling. Luminaire body of flat aluminium profile, white, with colour highlighted, flush integrated end caps of anodized aluminium. Complete with 2-point wire suspension in Y-form and transparent cable for suspension lengths to 1500 mm. Protection rating IP20. With digitally dimmable electronic transformer, Dali.
- 7.2 Street light fixture shall be of single die cast aluminium housing with provision for the easy removal of gear box during maintenance. Acrylic bowl shall be linked to one end and toggle shall be provided. Neoprene rubber and felt gasket shall be provided between acrylic bowl and fixture to prevent entry of insects and moisture
- 7.3 Industrial low bay fitting shall be of die cast aluminium housing, high purity Al. Reflector, acrylic cover and wire guard

**8. LAMPS**

- 8.1 LED Lamps shall be supplied and installed in all lighting fixtures furnished under this Contract
- 8.2 Lamps used for temporary lighting service shall not be used in the final lamping of fixture units
- 8.3 LED Lamps shall be of wattage and type as shown on the drawings and schedules. Where not shown, the details shall be ascertained from the client before procurement
- 8.4 LED Lamps for permanent installation shall not be placed in the fixtures until so directed by the Client's representative, and this shall be accomplished directly before the respective portions are ready for occupation

**9. TRANSPORT, DELIVERY AND STORAGE**

The prices shall be F.O.R. site basis including packing & forwarding charges. The quoted price must include all the costs for necessary mode of transportation up to the final location of fixture or site store. The fixture should be supplied with required storage arrangements suitable for placing in open storage yard. All incidental expenses during transportation shall be part of quoted prices including transit insurance. The charges for loading and unloading of equipment at site should form part of offer.

**10. GUARANTEE AND WARRENTY**

The Bidder shall stand guarantee for the performance of entire fixtures and components for twelve (12) months from the date of commissioning or eighteen (18) months from the date of dispatch, whichever is earlier, as agreed up on and as reproduced in the purchase order within the tolerance specified or as permitted by the relevant standards for the equipment in his scope of supply. The Purchaser also reserves the right to use the rejected equipment or part thereof until the new equipment meeting the guaranteed performance is supplied by the Bidder.

**TECHNICAL SPECIFICATIONS****1. Technical specifications for 2x2 feet LED light fixture suitable for grid / gypsum / POP/ Armstrong ceiling: Philips Make RC 380 B LED 30S-6500 G4 L60W60 PSU/PSD OD OC Or Equivalent**

White powder coated LED light feature should be of 600 x 600 mm recessed mounted full glow LED ceiling light using Nichia, Osram, Samsung, Cree or Philips etc. make LEDs Suitable for grid / gypsum / POP/ Armstrong ceiling with system

S.NO.	Description	
1	System Lumen	3600 lm
2	CCT	6500K
3	CRI	>80
4	SDCM	<5
5	UGR*	UGR<19 (Typical Value 17-18)
6	Operating Temp	Ambient : 45 Degrees
7	IP Rating	20
8	Wattage	36 W
9	Dimensions	597 x 597x70MM
10	Life	L 70850 @ 50K Hours
11	Driver	Fixed Output /Dali
12	Housing	CRCA
13	Look and Feel	Fully Diffused Luminaire
14	Serviceability	Class B (Driver replacable)

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- UGR has been calculated for lighting system for standard Height of Installation (2.7 Meter)

Sr. No	Description	Bank's requirement	Your specification (technical details)	Deviation (if any)
1	Dimensions	595 mm (L) X 595 mm (W) / As per site requirement		
2	Power Consumption including driver loss	36W to 40W		
3	Luminous Efficacy of the Luminaire	Above 95 lm/w		
4	Color	5500°K to 6000°K		
5	Lamp Type	Discrete LED		
6	Fixture Material	Powder coated CRCA Sheet		
7	Input Voltage Range & Frequency	140 – 280 VAC, 50 Hz Auto cut off beyond voltage range		
8	Power Factor	Greater than 0.95		
9	THD	<10%		
Sr. No	Description	Bank's requirement	Your specification (technical details)	Deviation (if any)
10	LED Beam Angle	100 – 120 deg.		
11	Mounting Type	Recess Ceiling		
12	CRI	Greater than 80		
13	Rated lamp life	50,000 Hrs.		
14	Heat Dissipation	Suitable arrangement having low LED driving current		
15	IP Rating	IP 20		
16	Protection	2.5KV Voltage surge protection, Short Circuit Protection		
17	Driver	Constant current		
18	Approved make of driver	Fulam / Philips / Halonix / equivalent		

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19	Approved make of LED Chip	Nichia / Cree / Osram / Lumiled only		
20	Warranty	Five years (whole)		
21	Diffuser	Glare free full opal Diffuser		
22	Approved make of fittings	Philips / GE Lighting / Havells / Osram / Crompton Greaves / Anchor Panasonic / Wipro		

Vendor should submit LM79 report from NABL Accredited Lab.

**2. Technical specifications for 15 watts LED round down light suitable for grid / gypsum / POP/ Armstrong ceiling: Philips Make DN 172 B LED 18S-6500 PSU Or Equivalent (Cutout dia. 150 mm or as per site condition)**

Sr. No	Description	Bank's requirement	Your specification (technical details)	Deviation (if any)
1	Dimensions	Cut out dimension : 150mm, Outer dimension : <170mm		
2	Power Consumption including driver loss	15 W to 18 W		
3	Luminous Efficacy of the Luminaire	Above 85 lm/w		
4	Color	5500°K to 6000°K		
5	Lamp Type	Discrete LED		
6	Fixture Material	Aluminum die cast,		
7	Input Voltage Range & Frequency	140 – 280 VAC, 50 Hz Auto cut off beyond voltage range		
8	Power Factor	Greater than 0.95		
9	THD	<10%		
10	LED Beam Angle	100 – 120 deg.		
11	Mounting Type	Ceiling		
12	CRI	Greater than 80		
13	Rated lamp life	50,000 Hrs.		

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14	Heat Dissipation	Suitable arrangement having low LED driving current		
15	IP Rating	IP 20		
16	Protection	2.5KV Voltage surge protection, Short Circuit Protection		
17	Driver	Constant current		
18	Approved make of driver	Fulam / Philips / Halonix / equivalent		
19	Approved make of LED Chip	Nichia / Cree / Osram / Lumiled only		
20	Warranty	One years (whole)		
21	Diffuser	Glare free full opal Diffuser		
22	Approved make of fittings	Approved makes: Philips / GE Lighting / Havells / Osram / Crompton Greaves / Anchor Panasonic / Wipro		

**PRICE BID/ INDICATIVE PRICE BID.**

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<b>Sr.No.</b>	<b>Particulars</b>	<b>QTY</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
1	Supply, Installation, Testing and Commissioning of 10 Watt Recessed mounted Green LED Down Lighter with driver of Philips DN172 B LED 15S PSU WH 6500 Round 18 W or equivalent as approved by the Bank.	43.00	Nos	To be submitted online	To be submitted online
2	Supply, Installation, Testing and Commissioning of 15 Watt Recessed mounted Green LED Down Lighter with driver of Philips DN172 B LED 12S PSU WH 6500 Round 15 W or equivalent as approved by the Bank.	56.00	Nos		
3	Supply, Installation, Testing and Commissioning of 36 Watt Recessed Mounted Green LED 36 W LED Luminaire complete with driver of PHILIPS RC 380 B LED36S-6500 G4 L60 W60 PSU OD OC or equivalent as approved by the Bank.	284.00	Nos		
	<b>Total</b>			<b>Rs.</b>	

**GST will be paid extra.**

**CHECK LIST FOR BIDDERS.**

- 1) **Cost of tender and EMD to be paid.**
- 2) **Valid digital signature**
- 3) **Signed and stamped copies of complete Tender document.**
- 4) **Proof of being empanelled electrical contractors in SBIIMS**

Signature of Contractor with Seal