



**डेडीकेटेड फ्रेट कोरीडोर कॉर्पोरेशन ऑफ़ इंडिया लि.**  
**Dedicated Freight Corridor Corporation of India Limited**  
 (भारत सरकार का उपक्रम)

(A Govt. of India Enterprises)

5<sup>th</sup> Floor, Pragati Maidan Metro Station Building Complex, New Delhi -110001

**No.: HQ/EL/Maint./LED/2018-19/23**

**Date: 28.12.2018**

To,

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**Sub: Replacement of existing light fittings with energy efficient LED light fittings at 3rd & 4th floor at Corporate Office, DFCCIL, New Delhi.**

Please arrange to submit your quotation offer online using the link [www.tenderwizard.com/DFCCIL](http://www.tenderwizard.com/DFCCIL) on or before **09.01.2019** for the subject work. The online submission of quotations shall be closed at 15.00 hrs on **09.01.2019** and opened on the same day, online at 15.30 hrs.

**1. TERMS AND CONDITIONS**

- 1.1 Quotation offer should be valid for 30 days from the due date of opening.
- 1.2 Rates quoted shall be firm & inclusive of all taxes (GST etc.) and duties leviable, loading, unloading, lifting/handling of material, insurance of workers at site liaising with any other department, banker charges and other incidental charges. It is advised to inspect the site before they quote their rates for the work.
- 1.3 Sufficient trained and qualified manpower is to be used for carrying out works for better quality of work and safety.
- 1.4 The Contractor shall fulfill the requirements of Clause no. 29 of Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations, 2010.
- 1.5 The quantities given in the Schedule of Rate & Quantities, **Annexure 'B'** are based on estimate; payment shall be made on actual measurement of work at the accepted rates only.
- 1.6 The contractor/s shall handle Law, tax, and other applicable duties. DFCCIL shall bear no responsibilities for any loss to man and material belongs to the contractor.
- 1.7 Any damage to existing installations made during execution of work will have to be made good by the Contractor without any extra cost. Any claim by the contractor in this regard will not be entertained.


- 1.8 Any minor work including necessary excavation, supporting, opening in walls/partition etc which is incidental for successful completion of the work for any item mentioned in schedule of prices & quantities or his work, even though not mentioned specifically elsewhere in this letter but required for satisfactory completion of work, shall be deemed to be included in the scope of work & shall be quoted accordingly.
- 1.9 Work completion/test report shall be signed jointly with the Contractor and DFCCIL.
- 1.10 DFCCIL reserves the right to modify, expand, restrict, scrap and re-invite the quotation without assigning any reason/s.
- 1.11 In case of any dispute DFCCILs decision shall be final and binding on the contractor.
- 1.12 While submitting the quotation, all the pages of the Quotation enquiry letter should be stamped and signed as a token of acceptance of terms & conditions therein
- 1.13 **Period of Completion:** Period of completion shall be **01 Month** from the date of issue of Letter of Acceptance. A completion certificate indicating date of completion of work and date of commencement of maintenance period shall be issued.
2. **Maintenance Period:** Maintenance period of the work, including material and workmanship, shall be **12 months** from the date of completion of work as indicated in the completion certificate. During this period, defects related to material and workmanship shall be attended free of cost by the Contractor.
3. **SECURITY DEPOSIT:**

The Contractor has to submit Security Deposit (SD) equal to 5% of the total accepted cost of work as per the Letter of Acceptance for the warranty period. The SD may be deposited in form of Deposit receipts / Pay orders / Demand drafts/ FDR or TDR or may be deducted from the bills. The SD shall be refunded, without interest, 02 months after expiry of maintenance period and issue of maintenance certificate.
4. **TERMS OF PAYMENT**
  - 4.1 No advance payment shall be made.
  - 4.2 'On Account' payment for Sr. No.1, 2, 3 and 4 of 'Schedule of Rate and Quantities', Annexure-B, shall be made as under:
    - 4.2.1 80% of accepted rate of supply of material on acceptance & receipt of material at site.
    - 4.2.2 Balance 20% of accepted rate of supply & 100% of accepted rate of installation, testing & commissioning after completion of entire work as per final measurement and taken over by DFCCIL.
  - 4.3 Bill/ Invoice should be submitted in duplicate, duly signed and stamped by the Contractor.
  - 4.4 Payment to the contractor shall be made online. The contractor shall submit complete bank details/NEFT mandate form issued by their Bank.

- 4.5 Tax deducted at source (e.g. work contract tax, cess, income tax and other statutory deductions) will be deducted from the payment due to the contractor as per rules of the state/central government.

**Encl:**

- 1) Technical Specification, Annexure 'A'.
- 2) Schedule of Rate and Quantities, Annexure 'B'.

  
28/12/18  
(Dr. Sanjay Nayar)  
GGM/EL/TS/DFCCIL



**TECHNICAL SPECIFICATION****Technical Specifications for Schedule of Rate and Quantities**  
**(Annexure-B)****1. Item no. 1 of Annexure-B:**

The price shall cover for dismantling of the existing fittings & supply, installation, testing & commissioning of new 2x2 ft LED panel light as per the specifications given below with connection by 1.5 sqmm. ISI mark, 1100V grade, PVC insulated copper wire from the existing power supply point as per the relevant Indian standard.

SN	Description	Parameters
1	System Power (W)	30-40
2	Size	2' x 2'
3	Mounting Method	Recessed
4	Material of Housing	CRCA/Sheet Metal
5	Material of Frame / Colour	MS Powder Coated/ White
6	Make of LED	CREE, NICHIA, OSRAM, PHILIPS, SEOUL, PHILIPS LUMILEDS, AVAGO
7	Fittings Make	Havells, Halonix, Wipro, Bajaj, OSRAM, Philips.
8	Lumen (lm) $\geq$	3000
9	Luminaire Efficacy (in lm/w) $\geq$	90
10	CCT (K)	5600-6500
11	CRI (Ra) $\geq$	70
12	PF $>$	0.9
13	LED Driver efficiency $>$	85%
14	Protection Class	IP 20, Class I
15	Harmonic Distortion Athd (in %) $<$	15%
16	Diffuser transparency	Opal
17	Diffuser material	Acrylic/Polycarbonate
18	Lifetime (L70 @ Ta 25°C)	50,000
19	Warranty (yrs)	2
20	Test report: a) LM 79: LED luminair photometry measurement; b) LM 80: Lumen maintenance report shall be produced.	
21	The illumination shall not have infra-red, ultra-violet emission and be glare free.	
22	Proof of genuineness of the LED Panel Light supplied, viz. letter of authorization from OEM or its authorized dealer/delivery challan/ etc.	

**2. Item no. 2:**

The price shall cover for dismantling of the existing fittings & supply, installation, testing & commissioning of new LED Downlighters as per the specifications given below with connection by 1.5 sqmm. ISI mark, 1100V grade, PVC insulated copper wire from the existing power supply point as per the relevant Indian standard.

SN	Description	Parameters
1	System Power (W)	14-15
2	Suitable for existing Cutout (mm)	160
3	Mounting Method	Recessed
4	Material of Housing	Pressure die-cast aluminum alloy
5	Material of Frame / Colour	MS Powder Coated/ White
6	Make of LED	CREE, NICHIA, OSRAM, PHILIPS, SEOUL, PHILIPS LUMILEDS, AVAGO
7	Fittings Make	Havells, Halonix, Wipro, Bajaj, OSRAM, Philips.
8	Lumen (lm) $\geq$	1000
9	Luminaire Efficacy (in lm/w) $\geq$	70
10	CCT (K)	5600-6500
11	CRI (Ra) $\geq$	75
12	PF $\geq$	0.9
13	LED Driver efficiency $\geq$	85%
14	Protection Class	IP 20, Class II
15	Harmonic Distortion Athd (in %) $\leq$	15%
16	Diffuser transparency	Opal
17	Diffuser material	Acrylic/Polycarbonate
18	Lifetime (L70 @ Ta 25°C)	50,000
19	Warranty (yrs)	2
20	Test report: a) LM 79: LED luminair photometry measurement; b) LM 80: Lumen maintenance report shall be produced.	
21	The illumination shall not have infra-red, ultra-violet emission and be glare free.	
22	Proof of genuineness of the LED Downlighters supplied, viz. letter of authorization from OEM or its authorized dealer/delivery challan/ etc.	

**3. Item no. 3:**

The price shall cover for dismantling of the existing fittings & supply, installation, testing & commissioning of new GU-10, 5.5W, 420lm, 2700/6500K, 230V, 50Hz, Ra – 80, recess type, suitable for cut out of 50mm.

**4. Item no. 4:**

The price shall cover for dismantling of the existing fittings & supply, installation, testing & commissioning of new LED Tube Light fixture, 2 ft.

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**SCHEDULE OF RATE AND QUANTITIES**

**Name of Work:** Replacement of existing light fittings with energy efficient LED light fittings at 3rd & 4th floor at Corporate Office, DFCCIL, New Delhi.

**Quotation No.:** HQ/EL/Maint./LED/2018-19/23

SN	Description	Unit	Qty	Unit Rate (Rs.)		Amount (Rs.)		Total (Rs.)
				Supply	ITC*	Supply	ITC*	
1	Supply of LED Panel Light, 2x2 ft, 30-40W, 3000 lm, recessed, CRCA housing, Luminaire Efficacy (in lm/w) >90, CCT (K) - 5600-6500, CRI (Ra) > 70, LED Driver efficiency > 85.	Nos.	369					
2	Supply of LED Downlighters, 14-15W, 1000 lm, suitable for 160 mm cut out, recessed, Pressure die-cast aluminum alloy, Lumen (lm) >1000, Luminaire Efficacy (in lm/w) > 70, CCT (K) -5600-6500, LED Driver efficiency> 85%, IP 20, Class II.	Nos.	202					
3	Supply of GU-10, 5.5W, 420lm, 2700/6500K, 230V, 50Hz, Ra – 80, recess type, suitable for cut out of 50mm	Nos.	24					
4	Supply of LED Tube Light fixture, 2 ft	Nos	8					
<b>Total</b>								

**Total Amount (Rs. in Words):** \_\_\_\_\_

**Note: -**

1. Rates quoted shall be firm & inclusive of all taxes (GST etc.) and duties leviable, loading, unloading, lifting/handling of material, insurance of workers at site liaising with any other department, banker charges and other incidental charges. It is advised to inspect the site before they quote their rates for the work.

Signature of the Tenderer(s)

Address:

Date: