



भारतीय रिज़र्व बैंक  
संपदा विभाग, चंडीगढ़

निविदा सूचना

भारतीय रिज़र्व बैंक चंडीगढ़ अपने मुख्य कार्यालय भवन में बैंकिंग हॉल और पोर्टिको के बाहर के क्षेत्र के नवीनीकरण के संबंध में विविध विद्युत कार्य हेतु इच्छुक एवं पात्र फर्मों से निविदाएं आमंत्रित करता है। कार्य की अनुमानित लागत ₹4,90,586/- (जी.एस.टी. सहित) मात्र है।

2. यह एक सीमित निविदा है। केवल वे फर्म जो संपदा विभाग, भारतीय रिज़र्व बैंक, चंडीगढ़ में Trade No. 9: Electrical Works (Category II, III, IV, V) में ₹1.00 लाख से अधिक के कार्यों के लिए सूचीबद्ध हैं, निविदा प्रक्रिया में भाग ले सकेंगी। निविदा दस्तावेज वेबसाइट [www.rbi.org.in](http://www.rbi.org.in) पर डाउनलोड के लिए उपलब्ध है।

3. यह निविदा ऑफ-लाईन माध्यम से दो भागों में प्रस्तुत की जाएंगी। निविदा के भाग-I में प्रस्तावित कार्य के लिए बैंक की मानक तकनीकी और वाणिज्यिक शर्तें होंगी, जिन्हें निविदाकारों द्वारा स्वीकार करके निविदा फॉर्म में सील एवं हस्ताक्षर भरा जाना चाहिए। निविदा के भाग-II में बैंक की मात्राओं की अनुसूची निर्धारित की गयी है और निविदाकर्ता की मूल्य बोली अलग से सीलबंद लिफाफे में जमा की जाएगी।

4. पात्रता मानदंड को पूरा करने वाली फर्मों और कार्य के आवंटन के लिए विचार किए जाने की इच्छुक निविदाकर्ता द्वारा **06 मार्च 2024 को अपराह्न 02:00 बजे तक** या उससे पहले सभी आवश्यक दस्तावेजों को संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़ में जमा किया जाना चाहिए।

5. निविदा के भाग-I को **06 मार्च 2024 को अपराह्न 03:00 बजे** संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़ में खोला जायेगा।

निविदा की समय-सारणी निम्न अनुसार है:

क	निविदा का नाम	भारतीय रिज़र्व बैंक चंडीगढ़ के मुख्य कार्यालय भवन में बैंकिंग हॉल और पोर्टिको के बाहर के क्षेत्र के नवीनीकरण के संबंध में विविध विद्युत कार्य
ख	निविदा प्रणाली	ऑफ-लाईन सीमित निविदा; – निविदा के भाग I और भाग II को अलग-अलग सीलबंद लिफाफे में संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़ में प्रस्तुत किया जाना चाहिए।

ग	अनुमानित लागत	₹4,90,586/- (रुपए चार लाख नब्बे हजार पांच सौ छियासी मात्र) (जी.एस.टी. सहित)
घ	निविदा दस्तावेज़ बैंक की वेबसाइट से डाउनलोड करने की प्रारम्भिक तिथि	21 फरवरी 2024 को साँय 05:00 बजे से
च	बयाना राशि (केवल NEFT के माध्यम से)	शून्य
छ	बोली पूर्व बैठक का समय एवं स्थान	28 फरवरी 2024 पूर्वाह्न 11:00 बजे स्थान : संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़
ज	निविदा (तकनीकी-वाणिज्यिक बोली एवं मूल्य बोली) बंद होने की तारीख	06 मार्च 2024 को अपराह्न 02:00 बजे तक
झ	i. निविदा के भाग I (अर्थात तकनीकी-वाणिज्यिक बोली को संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़ खोले जाने की तिथि एवं समय ii. भाग II - मूल्य बोली (खोलने की तिथि-अलग से सूचित की जाएगी)	06 मार्च 2024 को अपराह्न 03:00 बजे  यदि बोलीदाताओं द्वारा कोई विचलन प्रस्तुत नहीं किया गया तो भाग II उसी दिन खोला जाएगा। अन्यथा भाग II किसी अन्य तिथि पर खोला जाएगा जिसकी सूचना बोलीदाताओं को ईमेल के माध्यम से दी जाएगी।
ञ	निविदा फीस	शून्य

बैंक न्यूनतम निविदा को स्वीकार करने के लिए बाध्य नहीं है और किसी भी निविदा में पूर्ण या आंशिक रूप से स्वीकार करने का अधिकार सुरक्षित रखता है। बैंक बिना किसी कारण बताए सभी निविदायों को अस्वीकार करने का अधिकार भी सुरक्षित रखता है।

कृते/-  
क्षेत्रीय निदेशक  
भारतीय रिज़र्व बैंक, चंडीगढ़



भारतीय रिज़र्व बैंक / Reserve Bank of India  
सम्पदा विभाग / Estate Department  
चंडीगढ़ / Chandigarh

भारतीय रिज़र्व बैंक चंडीगढ़ के मुख्य कार्यालय भवन में बैंकिंग हॉल और पोर्टिको के बाहर  
के क्षेत्र के नवीनीकरण के संबंध में विविध विद्युत कार्य  
हेतु निविदा

Tender for  
Miscellaneous Electrical works in connection with renovation of Area  
outside Banking Hall and Portico at Main Office Building of RBI Chandigarh

(भाग I तकनीकी-वाणिज्यिक बोली) / (Part-I Techno-commercial Bid)

बोलीदाता का नाम : .....

पता: .....

दूरभाष सं: .....

ईमेल:- .....

बोली पूर्व बैठक का समय एवं स्थान	28 फरवरी 2024 पूर्वाह्न 11:00 बजे स्थान : संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर- 17, चंडीगढ़
बोली प्रस्तुत करने की अंतिम तिथि:	06 मार्च 2024को अपराह्न 02:00 बजे तक
निविदा का भाग I अर्थात तकनीकी- वाणिज्यिक बोली खोलने की तिथि:	06 मार्च 2024 को अपराह्न 03:00 बजे तक

**अस्वीकरण**  
**DISCLAIMER**

भारतीय रिज़र्व बैंक, सम्पदा विभाग, चंडीगढ़ ने इच्छुक पक्षों को कार्य की पृष्ठभूमि की जानकारी देने के लिए यह दस्तावेज़ तैयार किया है। जबकि भारतीय रिज़र्व बैंक ने इसमें निहित जानकारी को तैयार करने में उचित सावधानी बरती है और इसे सटीक मानते हैं, न तो भारतीय रिज़र्व बैंक और न ही इसके किसी भी प्राधिकरण या एजेंसियों और न ही उनके संबन्धित अधिकारियों, कर्मचारियों, एजेंटों या सलाहकारों में से कोई भी इस दस्तावेज़ में निहित जानकारी की पूर्णता या सटीकता के संबंध में कोई वारंटी या नुमाइंदगी, व्यक्त या निहित प्रदान करता है।

Reserve Bank of India, Estate Department, Chandigarh, has prepared this document to give background information on the work to the interested parties. While Reserve Bank of India has taken due care in the preparation of the information contained herein and believe it to be accurate, neither Reserve Bank of India nor any of its authorities or agencies nor any of their respective officers, employees, agents or advisors give any warranty or make any representations, express or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it. इस दस्तावेज़ का प्रयोजन सम्पूर्ण जानकारी प्रदान करने का नहीं है। इच्छुक पार्टियों से अपनी स्वयं की पूछताछ करना अपेक्षित है। इस ई-निविदा के प्रत्यर्थी को अपनी स्वयं की पूछताछ करने की आवश्यकता है और उन्हें केवल खाली ई-निविदा दस्तावेज़ों / फार्मों में निहित जानकारी पर भरोसा नहीं करना चाहिए। यदि उत्तरदाताओं द्वारा सम्यक उद्यम का पालन नहीं किया जाता है तो भारतीय रिज़र्व बैंक ज़िम्मेदार नहीं होगा।

The information is not intended to be exhaustive. Interested parties are required to make their own inquiries. Respondents to this tender are required to make their own inquiries and they should not rely solely on the information contained in the blank tender documents / forms. The Reserve Bank of India is not responsible if no due diligence is performed by the Respondents.

यह जानकारी इस आधार पर प्रदान की जाती है कि यह भारतीय रिज़र्व बैंक या इसके किसी भी प्राधिकरण या एजेंसियों या उनके संबन्धित अधिकारियों, कर्मचारियों, एजेंटों या सलाहकारों पर बाध्यकारी नहीं है।

The information is provided on the basis that it is non-binding on Reserve Bank of India or any of its authorities or agencies or any of their respective officers, employees, agents or advisors.

भारतीय रिज़र्व बैंक परियोजना के साथ आगे बढ़ने या परियोजना के विन्यास को बदलने, इस दस्तावेज़ में परिलक्षित समय सारिणी को बदलने या लागू होने वाली प्रक्रिया को बदलने का अधिकार सुरक्षित रखता है। यह रूचि व्यक्त करने वाले किसी भी पक्ष के साथ मामले पर आगे चर्चा करने से इनकार करने का अधिकार भी सुरक्षित रखता है। रूचि व्यक्त करने वाले व्यक्तियों या संस्थाओं को किसी भी प्रकार की लागत की प्रतिपूर्ति का भुगतान नहीं किया जाएगा।

Reserve Bank of India reserves the right not to proceed with the Project or to change the configuration of the Project, to alter the time table reflected in this document or to change the process or procedure to be applied. It also reserves the right to decline to discuss the matter further with any party expressing interest. No reimbursement of cost of any type will be paid to persons or entities expressing interest.

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**भारतीय रिज़र्व बैंक  
संपदा विभाग, चंडीगढ़**

**निविदा सूचना**

भारतीय रिज़र्व बैंक चंडीगढ़ अपने मुख्य कार्यालय भवन में बैंकिंग हॉल और पोर्टिको के बाहर के क्षेत्र के नवीनीकरण के संबंध में विविध विद्युत कार्य हेतु इच्छुक एवं पात्र फर्मों से निविदाएं आमंत्रित करता है। कार्य की अनुमानित लागत ₹4,90,586/- (जी॰एस॰टी॰ सहित) मात्र है।

2. यह एक सीमित निविदा है। केवल वे फर्म जो संपदा विभाग, भारतीय रिज़र्व बैंक, चंडीगढ़ में Trade No. 9: Electrical Works (Category II, III, IV, V) में ₹1.00 लाख से अधिक के कार्यों के लिए सूचीबद्ध हैं, निविदा प्रक्रिया में भाग ले सकेंगी। निविदा दस्तावेज वेबसाइट [www.rbi.org.in](http://www.rbi.org.in) पर डाउनलोड के लिए उपलब्ध है।।

3. यह निविदा ऑफ-लाईन माध्यम से दो भागों में प्रस्तुत की जाएंगी। निविदा के भाग- I में प्रस्तावित कार्य के लिए बैंक की मानक तकनीकी और वाणिज्यिक शर्तें होंगी, जिन्हें निविदाकारों द्वारा स्वीकार करके निविदा फॉर्म में सील एवं हस्ताक्षर भरा जाना चाहिए। निविदा के भाग- II में बैंक की मात्राओं की अनुसूची निर्धारित की गयी है और निविदाकर्ता की मूल्य बोली अलग से सीलबंद लिफाफे में जमा की जाएगी।

4. पात्रता मानदंड को पूरा करने वाली फर्मों और कार्य के आवंटन के लिए विचार किए जाने की इच्छुक निविदाकर्ता द्वारा **06 मार्च 2024 को अपराह्न 02:00 बजे तक** या उससे पहले सभी आवश्यक दस्तावेजों को संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़ में जमा किया जाना चाहिए।

5. निविदा के भाग-I को **06 मार्च 2024 को अपराह्न 03:00 बजे** संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़ में खोला जायेगा।

निविदा की समय-सारणी निम्न अनुसार है:

क	निविदा का नाम	भारतीय रिज़र्व बैंक चंडीगढ़ के मुख्य कार्यालय भवन में बैंकिंग हॉल और पोर्टिको के बाहर के क्षेत्र के नवीनीकरण के संबंध में विविध विद्युत कार्य
ख	निविदा प्रणाली	ऑफ-लाईन सीमित निविदा; – निविदा के भाग I और भाग II को अलग-अलग सीलबंद लिफाफे में संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़ में प्रस्तुत किया जाना चाहिए।
ग	अनुमानित लागत	<b>₹4,90,586/- (रुपए चार लाख नब्बे हजार पांच सौ छियासी मात्र)</b> (जी॰एस॰टी॰ सहित)

घ	निविदा दस्तावेज़ बैंक की वेबसाइट से डाउनलोड करने की प्रारम्भिक तिथि	21 फरवरी 2024 को साँय 05:00 बजे से
च	बयाना राशि (केवल NEFT के माध्यम से)	शून्य
छ	बोली पूर्व बैठक का समय एवं स्थान	28 फरवरी 2024 पूर्वाह्न 11:00 बजे स्थान : संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़
ज	निविदा (तकनीकी-वाणिज्यिक बोली एवं मूल्य बोली) बंद होने की तारीख	06 मार्च 2024 को अपराह्न 02:00 बजे तक
झ	निविदा के भाग I (अर्थात् तकनीकी-वाणिज्यिक बोली को संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़ खोले जाने की तिथि एवं समय  ii. भाग II - मूल्य बोली (खोलने की तिथि-अलग से सूचित की जाएगी)	06 मार्च 2024 को अपराह्न 03:00 बजे  यदि बोलीदाताओं द्वारा कोई विचलन प्रस्तुत नहीं किया गया तो भाग II उसी दिन खोला जाएगा। अन्यथा भाग II किसी अन्य तिथि पर खोला जाएगा जिसकी सूचना बोलीदाताओं को ईमेल के माध्यम से दी जाएगी।
ञ	निविदा फीस	शून्य

बैंक न्यूनतम निविदा को स्वीकार करने के लिए बाध्य नहीं है और किसी भी निविदा में पूर्ण या आंशिक रूप से स्वीकार करने का अधिकार सुरक्षित रखता है। बैंक बिना किसी कारण बताए सभी निविदाओं को अस्वीकार करने का अधिकार भी सुरक्षित रखता है।

कृते/-  
क्षेत्रीय निदेशक  
भारतीय रिज़र्व बैंक, चंडीगढ़



भारतीय रिज़र्व बैंक  
संपदा विभाग, चंडीगढ़

**Tender Notice**

Reserve Bank of India, Chandigarh invites Tender from eligible and willing firms for “Miscellaneous Electrical works in connection with renovation of Area outside Banking Hall and Portico at Main Office Building of RBI Chandigarh”. The estimated cost of work is ₹4,90,586/- (including GST) only.

2. It is a limited tender. Only those firms which are empaneled in Estate Department, Reserve Bank of India, Chandigarh in Electrical Works (Trade No. 9) for more than ₹1.00 Lakh (Category II, III, IV, V) are eligible to take part in the tender process. The tender document is available on the Bank’s website [www.rbi.org.in](http://www.rbi.org.in) for download.

3. Tender shall be submitted off-line in two parts. Part-I of the tender will contain the Bank’s standard technical and commercial conditions for the proposed work, which must be agreed to, properly filled and signed by the tenderers along with their seal. Part-II of the tender will contain Bank’s schedule of quantities and **tenderer’s price bid to be submitted separately in sealed cover to the Bank.**

4. The firms fulfilling the eligibility criteria and desirous of being considered for award of the work should submit all the required documents mentioned in the tender document to Estate Department, 3<sup>rd</sup> floor, RBI Chandigarh on or before **March 06, 2024 till 02:00 PM.**

5. Part-I of the tender will be opened on **March 06, 2024 at 03:00 PM** at Estate Department, 3<sup>rd</sup> floor, RBI Chandigarh. The timeline of the tender is as follow:

A	Tender Name	Miscellaneous Electrical works in connection with renovation of Area outside Banking Hall and Portico at Main Office Building of RBI Chandigarh
B	Mode of Tender	Off-line limited Tender- Part I and Part II of the tender should be submitted separately in sealed envelope to Estate Department, 3 <sup>rd</sup> Floor, RBI Chandigarh
C	Estimated cost	₹4,90,586/- (Rupees Four Lakh Ninety Thousand Five Hundred Eighty Six Only) (Including GST)
D	Date of availability of Tender Document for download on the Bank’s website	February 21, 2024 from 05:00 PM onwards.
E	Earnest Money Deposit (Only through NEFT)	NIL
F	Date and Time of Pre-Bid meeting	February 28, 2024 at 11:00 AM Place: Estate Department, 3 <sup>rd</sup> floor, Reserve Bank of India, Central Vista, Sector-17, Chandigarh



G	Closing Date for submission of Techno-Commercial Bid & Price Bid	March 06, 2024 till 02:00 PM
H	a. Date & time of opening of Part I (Techno-Commercial Bid) b. Date of opening of Part II (Price Bid)	March 06, 2024 at 03:00 PM  Part II will be opened on same day if no deviation is submitted by bidders. Otherwise, the Part II will be opened on any other date which will be communicated to bidders through email.
I	Transaction Fee	NIL

The Bank is not bound to accept the lowest tender and reserves the right to accept either in full or in part any tender. The Bank also reserves the right to reject all the tenders without assigning any reason thereof.

-SD-  
Regional Director  
Reserve Bank of India, Chandigarh

## Section I

### Form of Tender

Place \_\_\_\_\_  
Date \_\_\_\_\_

Regional Director  
Estate Department  
Reserve Bank of India  
Chandigarh

Dear Sir,

Having examined the specifications and schedule of quantities relating to the work specified in the memorandum hereinafter set out and having visited and examined the installation 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 within the time specified in the said memorandum at the rates mentioned in the attached Schedule of Quantities and in accordance in all respects with specifications, designs, and instructions in writing referred to in articles of agreement, special instructions to the tenderers, general instructions to the tenderers and special conditions, conditions hereinbefore referred to, specifications, data sheet and schedule of quantities 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

(a)	Description of works	Miscellaneous Electrical works in connection with renovation of Area outside Banking Hall and Portico at Main Office Building of RBI Chandigarh
(b)	Estimated cost	₹4,90,586/- (Inclusive of GST and any other charges)
(c)	Mode of payment	As per S.N. 10 of General Instructions to Tenderers
(d)	Time allowed for completion of work from tenth day after the date of letter advising acceptance of tender.	35 Days
(e)	Penalty for delay	0.25% of the quoted amount per week subject to a maximum of 10 % of the contract value

(f)	Period for settlement of Bill	Running Bill- 1 month Final Bill-3 months
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Should this tender be accepted, I/We hereby agree to abide 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 the Reserve Bank of India, the amount mentioned in the said conditions.

Our bankers are \_\_\_\_\_

The names of partners of our firm are

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

Name of the partners of the firm  
authorized to sign \_\_\_\_\_

OR

Name of person having Power of Attorney \_\_\_\_\_  
to sign the contract

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

Witnesses  
(1) \_\_\_\_\_  
(Signature)  
Address

Yours faithfully,

\_\_\_\_\_  
(Signature of Contractor)

(2) \_\_\_\_\_  
(Signature)  
Address

## करारनामा का प्रारूप / Draft Articles of Agreement

यह करार वर्ष 2024 के ..... माह के ..... वें दिन एक पक्ष के तौर पर भारतीय रिज़र्व बैंक, चंडीगढ़ (जिसे इसके बाद "बैंक" कहा गया है (और दूसरे पक्ष \_\_\_\_\_ (जिन्हें इसके बाद "संविदाकर्ता" कहा गया है (के बीच निष्पादित किया गया।

ARTICLES OF AGREEMENT made on the \_\_\_\_\_ day of \_\_\_\_\_ between the Reserve Bank of India, (hereafter called "The Bank") of the one part and \_\_\_\_\_ (Hereinafter called "the Contractor") of the other part.

जबकि बैंक "भारतीय रिज़र्व बैंक चंडीगढ़ के मुख्य कार्यालय भवन में बैंकिंग हॉल और पोर्टिको के बाहर के क्षेत्र के नवीनीकरण के संबंध में विविध विद्युत कार्य" कराने का इच्छुक है और विनिर्देश तैयार किए हैं जिसमें किए जाने वाले कार्यों का उल्लेख है।

WHEREAS The Bank is desirous to carry out **Miscellaneous Electrical works in connection with renovation of Area outside Banking Hall and Portico at Main Office Building of RBI Chandigarh** and has caused specifications describing the works to be done.

और जबकि उक्त विशिष्टताओं, मात्राओं की अनुसूची पर पार्टियों द्वारा या उनकी ओर से हस्ताक्षर किए गए हैं।

AND WHEREAS the said specifications, the Schedule of Quantities have been signed by or on behalf of the parties hereto.

और जबकि बोलीकर्ता इसमें निर्धारित की गई शर्तों और संविदा की विशेष शर्तों और मात्रा अनुसूची में उल्लिखित की गई शर्तों तथा यथा संशोधित एवं अंतिम रूप से दोनों पक्षकारों द्वारा सहमत संविदा की शर्तों (जिन्हें समग्रतः इसके बाद "कथित शर्तें" कहा गया है) में निहित शर्तों के अधीन बैंक की उक्त अपेक्षा और /अथवा कथित विनिर्देश में उल्लिखित कार्य और मात्रा-अनुसूची में शामिल कार्य को निष्पादित करने हेतु सहमत है जिसे वह उक्त में तय की गई राशि के अनुसार अथवा उसके अधीन देय होने वाली राशि के अनुसार निर्धारित दर (जिसे इसके बाद 'कथित संविदा राशि' कहा गया है) पर करेगा।

AND WHEREAS the Contractor has agreed to execute upon the subject to the Conditions set forth herein and to the Conditions set forth in the Special Conditions and in the Schedule of Quantities and Conditions of Contract (all of which are collectively hereinafter referred to as "the said Conditions") the works shown upon the said drawings and/or described in the said specification and included in the Schedule of Quantities at the respective rates therein set forth amounting to the sum as therein arrived at or such other sum as shall become payable there under (hereinafter referred to as 'the said Contract Amount')

**अतः अब उनके बीच निम्नलिखित रूप से करार किया जाता है :-**

**NOW IT IS HEREBY AGREED AS FOLLOWS:**

1. निर्धारित शर्तों में उल्लिखित समय और तरीके से संविदा राशि को ध्यान में रखते हुए, बोलीकर्ता निर्धारित शर्तों के अनुसार और उनके अधीन निविदा विनिर्देशों में और मात्रा अनुसूची में यथा उल्लिखित कार्य को निष्पादित और पूरा करेगा।

In consideration of said Contract Amount to be paid at the times and in the manner set forth in the said conditions, the Contractor shall upon and subject to the said Conditions execute and complete the work shown upon the said Drawings and described in the said Drawings and described in the said Specifications and the Schedule of Quantities.

2. बैंक बोलीकर्ता को निर्धारित शर्तों में विनिर्दिष्ट समय और तरीके से देय संविदा राशि अथवा ऐसी अन्य राशि का भुगतान करेगा।

The Bank shall pay the Contractor the said Contract Amount, or such other sum as shall become payable, at the times and in the manner specified in the said conditions.

3. उक्त शर्तों को और उनके परिशिष्ट को इस करार के भाग के साथ पढ़ा जाएगा तथा इस करार से संबन्धित पक्ष उक्त शर्तों का क्रमशः पालन करेंगे, अपने-आपको उनके अधीन मानेंगे तथा उसमें उल्लिखित शर्तों के अधीन अपनी और से करार का निष्पादन करेंगे।

The said Conditions and Appendix thereto shall be read and construed as forming part of this agreement and the parties hereto shall respectively abide by, submit themselves to the said Conditions and perform the agreements on their part respectively in the said Conditions contained.

4. इसमें उल्लिखित नक्शे, करार और प्रलेख इस संविदा के आधार माने जायेंगे।

The plans, agreement and documents mentioned herein shall form the basis of this Contract.

5. यह संविदा न तो निर्धारित एकमुश्त राशि की संविदा है और न ही फूटकर कार्य की संविदा, परंतु यह सम्पूर्ण " भारतीय रिजर्व बैंक चंडीगढ़ के मुख्य कार्यालय भवन में बैंकिंग हॉल और पोर्टिको के बाहर के क्षेत्र के नवीनीकरण के संबंध में विविध विद्युत कार्य " के संबंध में कार्य को पूरा करने की संविदा है जिसके लिए दरों की अनुसूची तथा संभाव्य परिमाणों में उल्लिखित दरों पर या उक्त शर्तों में निर्दिष्ट दरों पर वस्तुतः हिसाब लगायी गयी मात्राओं के अनुसार अदायगी की जाएगी।

This Contract is neither a fixed Lump sum Contract nor a Piece work Contract but is a Contract to carry out the **Miscellaneous Electrical works in connection with renovation of Area outside Banking Hall and Portico at MOB, RBI Chandigarh** to be paid for according to actual measured quantities at the rates contained in the Schedule of Rates and Probable quantities or as provided in the said Conditions.

6. अनुबंध में दिये अनुसार ठेकेदार को सिविल संबंधी सभी कार्यों हेतु वाजिब सुविधा वहन करनी होगी एवं ऐसे कार्यों के पूरा होने के बाद दीवारों, फर्श आदि को हुये नुकसान को ठीक करना होगा।

The Contractor shall afford every reasonable facility for the carrying out of all works Relating to civil works and other ancillary works in the manner laid down in the said Conditions, and shall make good any damages done to walls, floors etc. after the completion of such works.

7. बैंक इस अनुबंध में बिना किसी पूर्वाग्रह के किए जानेवाले कार्य में किसी भी मद को जोड़ने या हटाने एवं ड्रॉइंग और कार्य की प्रकृति को बदलने का अधिकार रखता है।

The Bank reserves to itself the right of altering the quantity and nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this contract.

8. समय को इस अनुबंध का सार माना जाएगा, और ठेकेदार इसके द्वारा साइट सौंपे जाने के तुरंत बाद या औपचारिक कार्य आदेश जारी होने के दसवें दिन से काम शुरू करने के लिए सहमत है, जैसा कि उक्त शर्तों में प्रदान किया गया है। जो भी बाद में हो, और संपूर्ण कार्य 35 दिनों के भीतर पूरा करना होगा, फिर भी समय विस्तार के प्रावधानों के अधीन है।

Time shall be considered as the essence of this Contract, and the Contractor hereby agrees to commence the work soon after the site is handed over to him or from tenth day after the day of issue of formal works order as provided for in the said Conditions, whichever is later, and to complete the entire work within 35 Days, subject nevertheless to the provisions for extension of time.

9. इस अनुबंध के तहत बैंक द्वारा सभी भुगतान केवल चंडीगढ़ में किए जाएंगे।

All payments by The Bank under this Contract will be made only at, Chandigarh.

10. इस समझौते से जुड़े या किसी भी तरह से उत्पन्न होने वाले सभी विवादों को चंडीगढ़ में उत्पन्न माना जाएगा और इनका निपटान केवल चंडीगढ़ में न्यायालयों के ही अधिकार क्षेत्र में होगा।

All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen at Chandigarh and only Courts in Chandigarh shall have jurisdiction to determine the same.

11. इस संविदा के विभिन्न अंशों को ठेकेदार ने पढ़ लिया है तथा उन्हें पूर्ण रूप से समझ लिया है।

That the several parts of this Contract have been read by the Contractor and fully understood by the Contractor.

12. **गैर-प्रकटीकरण खंड:** ठेकेदार, बैंक के बुनियादी ढांचे/प्रणालियों/उपकरणों आदि की प्रत्यक्ष या अप्रत्यक्ष रूप से किसी भी जानकारी, सामग्री और विवरण का किसी तीसरे पक्ष को खुलासा नहीं करेगा, जो इस समझौते के संबंध में अपने संविदात्मक दायित्वों के निर्वहन के दौरान ठेकेदार के कब्जे या ज्ञान के पास आ सकता है, और हर समय इस पर विश्वास रखेगा। ठेकेदार सिवाय इसके तहत दायित्वों को पूरा करने या लागू कानूनों का पालन करने के लिए आवश्यक सीमा के अलावा अनुबंध के विवरण को वैयक्त और गोपनीय मानेगा। ठेकेदार नियोक्ता की पिछली लिखित सहमति के बिना किसी भी व्यापार या तकनीकी पत्र या अन्य जगहों पर कार्यों के किसी भी विवरण का खुलासा, प्रकाशित होने की अनुमति नहीं देगा। ठेकेदार किसी भी गोपनीय जानकारी के प्रकटीकरण के परिणामस्वरूप नियोक्ता को होने वाले किसी भी नुकसान के लिए नियोक्ता को क्षतिपूर्ति करेगा। उपर्युक्त का पालन करने में विफलता को ठेकेदार की ओर से अनुबंध का उल्लंघन माना

जाएगा और नियोक्ता नुकसान का दावा करने और कानूनी उपचारों को आगे बढ़ाने का हकदार होगा। ठेकेदार अपने कर्मचारियों के मध्य सभी उचित कार्रवाई करेगा ताकि यह सुनिश्चित किया जा सके कि इस समझौते के तहत गोपनीय सूचनाओं का प्रकटीकरण न करने के दायित्व पूरी तरह से संतुष्ट हों। गैर-प्रकटीकरण और गोपनीयता के संबंध में ठेकेदार के दायित्व किसी भी कारण से इस समझौते की समाप्ति या इस समझौते के टर्मिनेशन के बाद भी बने रहेंगे।

**Non-Disclosure clause:** The Contractor shall not disclose directly or indirectly any information, materials and details of the Bank's infrastructure/systems/equipment etc., which may come to the possession or knowledge of the Contractor during the course of discharging its contractual obligations in connection with this agreement, to any third party and shall at all times hold the same in strictest confidence. The Contractor shall treat the details of the contract as private and confidential, except to the extent necessary to carry out the obligations under it or to comply with applicable laws. The Contractor shall not publish, permit to be published, or disclose any particulars of the works in any trade or technical paper or elsewhere without the previous written consent of the Employer. The Contractor shall indemnify the Employer for any loss suffered by the Employer as a result of disclosure of any confidential information. Failure to observe the above shall be treated as breach of contract on the part of the Contractor and the Employer shall be entitled to claim damages and pursue legal remedies. The Contractor shall take all appropriate actions with respect to its employees to ensure that the obligations of non-disclosure of confidential information under this agreement are fully satisfied. The Contractor's obligations with respect to non-disclosure and confidentiality will survive even after the expiry or termination of this agreement for whatever reason.

### **13. यौन उत्पीड़न की रोकथाम संबंधी उपबंध / Prevention of Sexual harassment clause**

ठेकेदार/एजेंसी कार्य स्थल (रोकथाम, निषेध और निवारण) अधिनियम 2013 में महिलाओं के यौन उत्पीड़न के प्रावधान के पूर्ण अनुपालन के लिए पूरी तरह जिम्मेदार होगी। बैंक के परिसर के भीतर अपने कर्मचारी के खिलाफ यौन उत्पीड़न की किसी भी शिकायत के मामले में ठेकेदार/एजेंसी द्वारा गठित आंतरिक शिकायत समिति के समक्ष शिकायत दर्ज की जाएगी और ठेकेदार/एजेंसी शिकायत के संबंध में उक्त अधिनियम के तहत उचित कार्रवाई सुनिश्चित करेगी। बैंक के किसी भी कर्मचारी के खिलाफ ठेकेदार के किसी भी गंभीर कर्मचारी से यौन उत्पीड़न की किसी भी शिकायत का बैंक द्वारा गठित क्षेत्रीय शिकायत समिति द्वारा संज्ञान लिया जाएगा। यदि ठेकेदार के कर्मचारी द्वारा यौन हिंसा साबित हो जाती है, तो ठेकेदार किसी भी मौद्रिक मुआवजे के लिए जिम्मेदार होगा, जिसे घटना में कर्मचारी शामिल होने की स्थिति में भुगतान करने की आवश्यकता हो सकती है। ठेकेदार अपने कर्मचारी को कार्यस्थल पर यौन उत्पीड़न की रोकथाम और संबंधित मुद्दे के बारे में शिक्षित करने के लिए जिम्मेदार होगा।

The contractor/Agency shall be solely responsible for full compliance with the provision of "the sexual Harassment of women at work place (Prevention, Prohibition and Redressal) Act 2013". In case of any complaint of sexual harassment against its employee within the premises of Bank, complaint will be filed before the Internal complaint committee constituted by the Contractor/Agency and the Contractor/Agency shall ensure appropriate action under the said Act in respect to the complaint. Any complaint of sexual harassment from any aggravated employee of the contractor against any employee of the Bank shall be taken

cognizance of by the Regional Complaints Committee constituted by the Bank. The Contractor shall be responsible for any monetary compensation that may need to be paid in case the incident involves the employee, if sexual violence by the employee of the contractor is proved. The contractor shall be responsible for educating its employee about prevention of sexual harassment at work place and related issue.

<p>यदि ठेकेदार एक भागीदारी या एक व्यक्ति है If the contractor is a Partnership or an Individual</p>	<p>इसके साक्ष्य में बैंक तथा ठेकेदार ने इन दस्तावेजों तथा मूल प्रति पर इसके ऊपर उल्लेखित दिन और वर्ष में हस्ताक्षर किए हैं। IN WITNESS WHEREOF The Bank and the Contractor have set their respective hands to these presents and two duplicate hereof the day and year first hereinabove written.</p>
<p>यदि ठेकेदार एक कंपनी है If the contractor is a Company</p>	<p>इसके साक्ष्य में बैंक ने अपने विधिवत प्राधिकृत किये हैं और ठेकेदार ने इन पर तथा उक्त दोनों प्रतिलिपियों पर अपनी नियमित मोहर लगवाई है/इसके पहले उक्त दिनांक और वर्ष को अपनी ओर से इन दस्तावेजों तथा उक्त दो प्रतिलिपियों का निष्पादन करवाया है। IN WITNESS WHEREOF The Bank has set its hand to these presents through its duly authorized official and the Contractor has caused its common seal to be affixed hereunto and the said two duplicate/has caused these presents and the said two duplicates hereof to be executed on its behalf, the day and year first hereinabove written.</p>

हस्ताक्षर खंड / *Signature Clause*

SIGNED AND DELIVERED by the Reserve Bank of India by the hand of  
Shri .....  
(Name and designation)

.....  
..... in the presence of

(1)

Address

.....  
.....  
.....



(2) Address

.....  
.....  
.....

Witnesses

SIGNED AND DELIVERED BY  
.....

If the part is a partnership firm or any individual should be signed by all or on behalf of all the partners.

1).....

Address  
.....  
.....

If the Contractor signs under its common Seal the signature clause should tally with their sealing clause in the Articles of Associations

2).....

Address  
.....  
.....

Witnesses

(1) .....  
(2) .....

THE COMMON SEAL OF  
Was hereunto affixed pursuant to the resolutions passed by its Board of Directors at the meeting held on  
.....  
.....  
.....

SIGNED AND DELIVERED BY the Contractor by the hand of Shri

.....  
And duly constituted attorney.

In the presence of

(1)  
.....

(2)  
.....

Directors who have signed these Presents in taken thereof in the presence of

The Contractor is signing by the hand of power of attorney whether a company or individual.

**Section - II**  
**General Instructions to Tenderers**

1. Sealed tenders are invited in two parts – Part I containing technical specifications & Commercial Conditions and Part II containing Prices. Both Part I and Part II are to be submitted in duplicate in *separate sealed covers* and should be addressed to **The Regional director, Reserve Bank of India, Estate Department, Chandigarh** and superscribed **Miscellaneous Electrical works in connection with renovation of Area outside Banking Hall and Portico at Main Office Building of RBI Chandigarh (Part I/Part II)**. Tenders should reach him not later than **02.00 pm on March 06, 2024**. Tenderers should clearly indicate on each copy of the tender under their full signature whether it is the original or duplicate copy.

2. No tender will be received after 02.00 pm on March 06, 2024, under any circumstances whatsoever.

3. (a) Part I of the tender will be opened at 3.00 pm on the same day at his office by The Regional Director, Reserve Bank of India, Chandigarh or any other officer designated for this purpose by him in the presence of the tenderers or their representatives, should they choose to be present. Part II of the tenders will be opened on a subsequent date which will be informed to the tenderers.

(b) Tenders shall remain open to acceptance by the Bank for a period of three months from the date of opening the tender which period may be extended by mutual agreement and the tenderer shall not cancel or withdraw the tender during this period.

(c) The tenderer must use only the forms issued by the Bank to fill in the rates.

4. (a) The tender form must be filled in English and all entries must be made by hand and written in ink. If any of the documents is missing or unsigned, the tender may be considered invalid by the Bank in its discretion.

(b) Rates should be quoted both in figures and words in columns specified. All erasures and alterations made while filling the tender must be attested by initials of the tenderer. Overwriting of figures is not permitted. Failure to comply with either of these conditions will render the tender void at the Bank's option. No advice of any change in rate or conditions after the opening of the tender will be entertained.

(c) The rates quoted shall be firm and shall not be subjected to variations in exchange rates, customs/excise duty or any other statutory duty or levies or variation in labour rates and for complete work, i.e. supply of the equipment and shall include all taxes (Including GST), duties, levies imposed by /State Government/Local Bodies, charges for consumable, labour ches , transport, insurance for transit, storage, installation, testing and commissioning, workmen compensation & third party liability etc. till the work is finally handed over to the Bank.

5. Each of the tender documents should be signed by the person or persons submitting the tender in token of his/their having acquainted himself/themselves with the General Conditions of Contract, Specifications etc. as laid down. Any tender with any of the documents not so signed is liable for rejection.

6. The tender submitted on behalf of a firm shall be signed by all the partners of the firm or by partner who has the necessary authority on behalf of the firm to enter into the proposed contract. Otherwise the tender may be rejected by the Bank.

7. The Reserve Bank of India does not bind itself to accept the lowest or any tender and reserves to itself the right to accept or reject any or all the tenders, either in whole or in part.

8. A Schedule of probable quantities in respect of each work and specifications accompany these special conditions. The schedule of probable quantities is liable to alteration by omissions, deductions or addition to the discretion of the Bank. Each tender should contain not only the rates but also the value of each item of work entered in a separate column and all the items should be totaled in order to show the aggregate value of the entire tender.

9. All compensation or other sums of money payable by the Contractor to the Employer under the terms of this Contract may be deducted from his earnest money and the security deposit, if the amount so permits unless the contractor deposits such amounts in cash within ten days of issue of demand notice by the Bank.

#### **10. Terms of Payment**

- i) 95 % of the quoted amount against completion and handing over of the work.
- ii) 5% after completion of defect liability period of one year from the date of completion (Retention money).

**11. Settlement of dispute by arbitration:** In case of any dispute or difference arising out of or in connection with or carrying out the work, the parties shall first endeavor to settle such disputes or differences amicably. If both the parties fail to reach such amicable settlement, all the disputes shall be finally settled by arbitrators as per the provision of Arbitration and Conciliation Act, 1996 or any statutory modification thereof and rules framed there under from time to time shall apply to such arbitrations.

**12.** The tenderer must inspect the site of work and acquaint himself with all local conditions, means of access to work, nature of work etc. before submitting the tender.

**13. Policy:** Contractors All Risk Policy covering third party liability, workman compensation policy and policy for storage, erection shall be taken by the contractor and shall submit in the Bank before commencing the work. The insurance will be in the joint name of the Bank and the contractor the Bank's name being the first.

**14. Minimum wages Act:** The contractor shall ensure that minimum wages as per statutory requirement are paid to all the workmen. A certificate to that effect, every month, has to be submitted to the Bank during period of execution of work.

**15.** The whole of the works included in the contract shall be executed by the contractor and the contractor shall not directly or indirectly transfer, assign or underlet

the contract or any part share thereof or any interest therein without the prior written consent of the Employer and no undertaking shall relieve the contractor from the full and entire responsibility of the Contract or from active superintendence of the works during their progress.

**16. Non-disclosure clause:** " The Contractor shall not disclose directly or indirectly any information, materials and details of the Bank's infrastructure/systems/equipment etc., which may come to the possession or knowledge of the Contractor during the course of discharging its contractual obligations in connection with this agreement, to any third party and shall at all times hold the same in strictest confidence. The Contractor shall treat the details of the contract as private and confidential, except to the extent necessary to carry out the obligations under it or to comply with applicable laws. The Contractor shall not publish, permit to be published, or disclose any particulars of the works in any trade or technical paper or elsewhere without the previous written consent of the Employer. The Contractor shall indemnify the Employer for any loss suffered by the Employer as a result of disclosure of any confidential information. Failure to observe the above shall be treated as breach of contract on the part of the Contractor and the Employer shall be entitled to claim damages and pursue legal remedies.

The Contractor shall take all appropriate actions with respect to its employees to ensure that the obligations of non-disclosure of confidential information under this agreement are fully satisfied. The Contractor's obligations with respect to non-disclosure and confidentiality will survive the expiry or termination of this agreement for whatever reason."

**17. Engagement of Contract Labour:** The contractor shall obtain a license as contemplate under the contract Labour (Regulation and Abolition) Act, 1970 or any other law, as applicable, failing which he alone would be responsible for actions/proceedings ensuing thereto. The Bank shall not be held responsible for acts, commissions or omissions of the contractor and shall in no way made liable to the labourers engaged by the contractor.

The principal employer shall ensure the presence of his authorized representative at the place and time of disbursement of wages by the contractor to workmen and it shall be the duty of the contractor to ensure the disbursement of wages in the presence of such authorized representative. The authorized representative of the principle employer shall record under his signature a certificate at the end of the Register of wages to the (Register of wages-cum-Muster Roll) as the case may be, in the following form:

"Certified that the amount shown in column No.... has been paid to the workman concerned in my presence on ..... At....."

**18. The Sexual Harassment of women at work place:**

The contractor/Agency shall comply with the provisions of "the Sexual Harassment of women at work place (Prevention, Prohibition and Redressal) Act, 2013." In case of any complaint of sexual harassment against its employee within the premises of the Bank, the complaint will be filed before the internal complaints committee constituted by the

contractor/Agency and the contractor /Agency shall ensure appropriate action under the said Act in respect to the complaint.

- i. Any complaint of sexual harassment from any aggrieved employee of the contractor against any employee of the Bank shall be taken cognizance of by the Regional complaints committee constituted by the Bank.
- ii. The contractor shall be responsible for any monetary compensation that may need to be paid in case the incident involves the employees of the contractor, for instance any monetary relief to Bank's employee, if sexual violence by the employee of the contractor is proved.
- iii. The contractor will be responsible for educating its employees about prevention of sexual harassment at work place and related issues.

Date:

Signature and Seal of contractor.

## **ELECTRICAL INSTALLATION WORK – TECHNICAL SPECIFICATIONS**

### **General**

1. The scope of work covers execution and completion of the wiring of electrical installation work at area outside Banking hall and portico of the proposed office building for the Reserve Bank of India in accordance with specifications prepared by the under the direction and to the satisfactions.

2. Rules and regulation: - The installation shall generally by carried out in conformity with the requirements of Indian Electricity Act 1910 as amended up-to-date and the latest Indian Electricity Rules and Supplementary Regulations of the State Electricity Departments and Electricity Undertakings and where the installation is subject to inspection and approval of Fire Insurance and Explosives, Authorities, such installation shall be planned and executed to conform to their special rules.

3. Definition and conventional symbols: - The definition of terms in I.E.E. wiring regulation shall apply except the definition of a point.

3.1 Point wiring shall include all works necessary in complete wiring of Light fixtures controlled by modular type switch circuit of any length from the tapping point on the distribution board (viz. sub-mains) to the following, via the switch: -

- (a) Ceiling rose or connector (in the case of pendants except stiff pendant points).
- (b) Socket outlet (in the case of socket outlet points)
- (c) LED (in the case of wall mounted, Surface mounted, recess mounted, Strip lights, bulk head fittings and similar other fittings).

3.2 The following shall be deemed to be included in the point wiring: -

- (a) Switch and ceiling rose as required.
- (b) In the case of wall mounted, Surface mounted, recess mounted, Strip lights, bulk head fittings and all other light fittings cable as required up to the lamp holder.
- (c) PVC conduit, GI Conduits or plica pipe where cables pass through walls, etc.
- (d) All fixing accessories such as clips, nails, screws, Phil plug, rawl plug, wooden plug, etc. as required.
- (e) Joint for junction boxes and connecting the same as required.
- (f) Connections to ceiling rose or connector socket outlet; lamp holder, switch, etc.

### **Note:**

I. In the case of points with more than one light point controlled by the same switch, the complete item shall be considered as one point and the rate shall be accordingly quoted.

II. A light point controlled by two nos. of two way switches shall be measured as One point from the fitting to the switches on either side.

4. Materials: - All materials, fittings and appliances used in the electrical installation shall be of the best quality obtained and of approved manufacture and shall conform to

the latest Indian Specifications wherever these exist. Where Indian Standard Specifications are not available relevant British Standard shall become applicable. The tenderer must submit along with the tender the names of manufacturers, categories, etc. of material and fixtures which they propose to use.

5. Workmanship:- Good workmanship and neat appearance are the pre requisites for compliance with the various sections of these specifications. The work shall be carried out under direct supervision of a person holding certificate of competency issued by the State Government and in accordance with the statutory rules and regulations in force. The relevant I.S.I. code of practice shall be followed wherever applicable.

6. Drawings:- On completion of work, completion drawings shall be prepared submitted to the Employer. Completion drawings shall indicate clearly, the main switchboard, the runs of various mains and sub-mains, position of points and their controls. All circuits shall be clearly indicated and numbered in the wiring diagrams and all points shall be given the same number as the circuit to which they are electrically connected.

7. Conductor: - All conductors shall be multi-strand copper. The smallest conductor for lighting circuit shall not be less than 1.5 sq.mm copper conductor & for power circuit, flexible cord as per the BOQ. Different colour code shall be used for Phase, Neutral & Earth as per IE rules.

8. Joints & looping back: - Unless otherwise specified the wiring shall be done in the 'Looping system' Phase and live conductors shall be looped at the switch box and neutral conductor can be looped either from the switch box or from the light, fan or socket outlet. Where 'Box system' is specified, all joints in the conductors shall be made of approved mechanical connectors in suitable and approved junction boxes.

## **RECEPTION AND DISTRIBUTION OF MAIN SUPPLY**

Control at point of commencement of supply: -

9.1 There shall be circuit-breaker or a linked switch on each live conductor of the supply mains at the point of entry. The wiring throughout the installation shall be such that there is no break in the neutral wire in the form of a switch or fuse unit. The neutral shall also be distinctly marked. In this connection the relevant clauses of Indian Electricity Rules, 1956 shall also be referred to.

The main switchgear shall be easily accessible and shall be situated as near as practicable to the termination of service line.

On the main switchgear, where the conductors include an earthed conductor of two wire system or an earthed neutral conductor or a multi-wire system or a conductor which is to be connected thereto, an indication of a permanent nature shall be provided to identify the earthed neutral conductor. In this connection, the relevant clauses of Indian Electricity Rules, 1956 shall be referred to.

9.2 Main switches and switchboard: - All main switches shall be of MCBs as specified in the Schedule of Quantities which shall be fixed at close proximity to the point of entry of supply.

9.3 Open type switchboards shall be placed only in dry situation and in well ventilated rooms and they shall not be placed in the vicinity of storage batteries and exposed to chemical fumes.

9.4 In a damp situation or where inflammable or explosive dust, vapour or gas is likely to be present, the switchboards shall be totally enclosed or made flameproof as may be necessitated by the particular circumstances.

9.5 Switchboards shall not be erected above gas stoves or sinks or within 2.5 m (8ft.) of any washing unit in the washing rooms or laundries, or in bathroom lavatories or toilets or kitchen.

9.6 Switchboards/DB's, if unavoidably fixed in places likely to be exposed to weather water or abnormal moist atmosphere, the outer casing shall be waterproof, and shall be provide with glands or bushing or adapter to the receiver a crewed conduit according to the manner in which the cables are run.

9.7 Main and branch distribution boards: - Unless otherwise specified in the special Specification, main and distribution fuses boards shall be of the iron and clad type or any type mentioned above.

Main distribution boards shall be provided with a switch or circuits-breaker on each pole of each circuit, a fuse on the phase or live conductor and a link on the neutral or earthed conductor of each circuit. The switches shall always be linked.

Branch distribution boards shall be provided with a fuse on live conductor of each circuit and the earthed neutral conductor of each. The switches shall always be linked.

Branch distribution boards shall be provided with a fuse on live conductor of each circuit and the earthed neutral conductor shall be connected to a common link and be capable of being disconnected individually for testing purposes. One spare circuit of the same capacity shall be provided on each branch distributions board. Lights and fans may be wired on common circuit. Such sub-circuits shall not have more than a total of ten points of light, fan and socket outlets or a load of 800 watts, whichever is less. If a separate fan circuits is adopted the number of fans in the circuit shall be eight. As regards power, sub-circuits the outlet shall be provided according to the load design of these circuits, but in no case shall there be more than two outlets on each circuit.

9.8 Installation of distribution boards: - The distribution fuse board shall be located as near as possible to be the Centre of the load they are intended to control.

These switchboards (as per clause 9.2) shall be fixed on suitable stanchion or wall and shall be accessible for replacement of fuses.

These shall be of either iron clad type or all insulated type. But if exposed to weather or damp situations, they shall be of the weatherproof type and if installed where they are exposed to explosives, dust, vapour or gas, they shall be flameproof type.

Where two or more distribution fuse boards feeding low pressure circuits are fed from a supply at medium voltage, these distribution boards shall be :-

- i) Fixed not less than 2m (6 ft.) apart, or
- ii) Arranged so that two cannot be opened at a time, viz, they are interlocked and the metal case is marked 'Danger-440 Volts, or
- iii) Installed in a room or enclosure accessible to only authorized persons.



All distribution boards shall be marked 'Lighting' if 'Power' as the case may be and also marked with the pressure and number of phases of the supply. Each shall be provided with a circuit list giving details of each circuit which it controls and the current rating of the circuit and the current rating of the circuit and size of the fuse element.

### **WIRING OF DISTRIBUTION BOARDS**

10. In wiring a branch distribution board, the total load of the consuming devices shall be divided as far as possible evenly between the numbers of ways of the board, leaving the spare circuit for future extension.

All connection between pieces of apparatus or between apparatus and terminals on a board shall be neatly arranged in a definite sequence following the arrangement of the apparatus mounted thereon, avoiding unnecessary crossing.

Cable shall be connected to terminal only by soldered lugs, unless the terminal is of such a form that they can be securely clamped without cutting cable strands.

All bare conductors shall be rigidly fixed in such a manner that a clearance of at least 2.5 cm

(1") is maintained between conductors of opposite polarity or phase and between the conductors and any material other than insulating material.

In a hinged board, the incoming and outgoing cables shall be neatly bunched and shall be fixed in such a way that the door shall be capable of swinging through an angle of not less than 90°.

If required in the Schedule of Quantities, a pilot lamp shall be fixed and connected through an independent single pole switch and fuse to the bus-bars of the board.

10.1 Passing through walls: - When conductors pass through walls, any one of the following methods shall be employed. Care shall be taken to see that wires pass freely through protective pipe or box and that wires pass thorough in a straight line without any twist or cross in wires, on either ends of such holes.

(a) A teakwood box extending through the whole thickness of the wall shall be buried in the wall and casings or conductors shall be carried so as to allow 1.3 cm (1/2") air space on three sides of the casing or conductor.

(b) The conductors shall be carried in an approved heavy gauge solid drawn or lap welded conduit or in a polythene or porcelain tube of such a size that it permits easy drawings in. The ends of conduit shall be neatly bushed with porcelain, wood or other approved material. Where a wall tube passes 'outside a building exposed to weather, the outer end shall be bell-mounted and turned downwards and properly bushed on the open end.

10.2 Fixing to walls and ceilings:- Plug for ordinary walls or ceilings shall be of well-seasoned teak or other approved hard wood not less than 5 cm. (2") long by 2.5 cm (1") square on the inner end and 2 cm (3/4") square on the outer end. They shall be cemented into walls within 6 mm (1/4") of the surface, the remainder being finished according to the nature of the nature of the surface with plaster or lime punning.

Where owing to irregular coursing or other reasons the plugging of the walls or ceilings with wood plugs, present difficulties, the wood encasing, wooden batten metal conduit or cleat (as the case may be) shall be attached to the walls or ceilings in an approved manner. In the case of new buildings, the teakwood plugs shall be fixed in the walls, as far possible, before first coat of white washing.

Plugging of walls or ceiling can be done in a better way where neatness is the first consideration. In all cases an approved type of asbestos or fiber fixing plug (rawl or Phil plug) with the correct size of tools shall be used and done in a work-manlike manner.

Where this cannot be done, wooden plugs as described above can be used with the special permission of the Architect/Bank.

10.3 Branch switches:- Where the supply is derived from a three wire or four wires source and the distribution is done on the two wire system, all branch switches shall be placed in the outer or live conductor of the circuit and no single pole switch or fuse shall be inserted in the middle wire, earth or earthed neutral conductor of the circuit. Single pole switches (other than for multiple control) carrying not more than 15 amperes may be of the tumbler type and the switch shall be 'ON' when the handle or knob is down.

## **FITTING AND ACCESSORIES**

11. All materials used in the construction of fittings/Rewiring work shall be of such quality, design and construction that will provide adequate protection in normal use against mechanical and electrical failure and exposure to the risk of injury of electric shock and shall withstand the effect of exposure to atmosphere.

11.1 Ceiling roses and similar attachments: - A ceiling rose or any other similar attachments shall not be used on a circuit the voltage of which normally exceeds 250 volts. Normally only one flexible cord shall be attached to ceiling rose. Specially designed ceiling roses shall be used for multiple pendants.

11.2 Light fittings: -

(a) Every lighting fitting shall be controlled by a switch and where control at more than one point is necessary by as many two ways and intermediate switches as there are control points. Light and socket outlets shall be so located as to provide maximum comfort to the occupant and to enable him to utilize the electricity in the most economical manner.

(b) Where conductors are required to be drawn through tube or channel leading to the fittings, the tube or channel must be free from sharp angles or projecting edge and of such size as will enable them to be wired with the conductors used for the final sub- circuit without removing the braising or taping. As far as possible all tubes or channels should be of sufficient size to permit looping back.

11.3 Fittings wire: - The use of fittings wire shall be restricted to the internal wiring of the light & fittings. Where fittings wire is used for wiring fittings, the sub-circuit leads shall terminate in a ceiling rose or connector from which they shall be carried into the fittings.

11.4 Attachment of fittings and accessories: -

In other than conduit wiring, unless it is specified in tender, all ceiling roses, socket outlets and accessories attached to the wall or ceiling shall be mounted on substantial teakwood blocks, twice varnished both inside and outside including backside after all fixing holes are made in them. Blocks shall not be

less than 4 cm (1.5") deep. Only brass, screws shall be used for attaching fittings and accessories to their base blocks.

In the case of surface type wiring, switches may be surface mounted on double teakwood boxes with hinge cover.

## **CONDUIT WIRING SYSTEM**

12. Surface conduit wiring system:- All conduit pipes shall be conforming to I.S. Specification, of approved gauge ( 16 SWG for sizes up to 32 mm – 14 SWG for larger sizes). No conduit less than 19 mm in diameter shall be used.

12.1 Conduit Joints:- Conduit pipes shall be joined by means of screwed couplers and screwed accessories only. In long distances straight runs of conduit, inspection type couplers or running thread with couplers and jam nuts (bare threaded portion suitably protected with anti-corrosive paint) shall be provided. Thread in all cases shall be between 11 mm to 27 mm long sufficient to accommodate pipes to full threaded portion of couplers or accessories. Cut end of conduit pipes shall have no sharp edges nor any burrs left to avoid damage to the insulation of conductors while pulling them through such pipes.

12.2 Fixing of conduit:- Conduit pipes shall be fixed by heavy gauge saddles, secured to suitable wood plugs or any other approved plugs with screws in an approved manner at an interval of not more than one meter, but on either side of couplers or bends, or similar fittings saddles shall be fixed at a distance of 30 cm from the Centre of such fittings.

12.3 Bends in conduits: - All necessary bends in the system including diversion shall be done by bending pipes; or by inserting suitable solid or inspection type normal bends, elbows or similar fittings; or by fixing cast iron inspection boxes whichever is more suitable. Conduit fittings shall be avoided as far as possible on conduit system exposed to weather. Where necessary, solid type fittings shall be used. Radius of such bends in conduits pipes shall be less than 7.5 cm. No length of conduit shall have more than three equivalent 90 bends from outlet to outlet, the bends at the outlets not being counted.

12.4 outlets: - All outlets for fittings, switches, etc. shall be boxes of suitable metal of either surface mounting (if required) or concealed with suitable size of Modular switch, socket and sheet complete in all sense and as directed by Bank's Engineer.

12.5 Conductors: - All conductors (FRLS) used in conduit wiring shall preferably be stranded and colour coded. Different colour shall be used for P, N & Earthing. No single core cable of Nominal cross-sectional area greater than 130 mm shall be enclosed alone in a conduit/casing capping and used for alternating current.

12.6 Making of chase: - The chase in the wall shall be neatly made and be of ample dimensions to permit the conduit to be fixed in the manner desired. In the case of building under construction, chases shall be provided in the wall, ceiling, etc. at the time of their construction and shall be filled up neatly after erection of conduit and brought to the original finish of the wall.

12.7 Fixing of conduit in chase: - The conduit pipe shall be fixed by mean of staples or by means of saddles not more than 60 cm apart. Fixing of standard bends or elbows shall be avoided as far as practicable and all curves maintained by bending the conduit pipe itself with a long radius which will permit easy drawing in conductors. All threaded joint of conduits shall be treated with some approved preservative compound to secure protection against rust.

12.8 Inspection boxes: - Suitable inspection boxes shall be provided to permit periodical inspection and to facilitate removal of wires, if necessary. These shall be mounted flush with the wall. Suitable ventilating holes shall be provided in the inspection box covers.

12.9 Types of accessories to be used: - All outlets such as switches, wall sockets, etc. may be either flush mounting type or of surface mounting type. The outlet box shall be mounted flush with the wall.

### **ARMoured & UNARMoured PVC TROPODUR CABLE ON SURFACE**

13. This system of wiring is suitable for providing suit-mains for low/medium voltage installation. All such cables used shall conform to the relevant Indian Standard Specifications.

13.1 Laying: - The cables shall be uncoiled from the drum and laid in straight length so as to avoid sharp bends on the conductor. The cables should be laid along wall/ceiling in the most workmanlike manner so as to give a pleasant appearance. Excessively sharp bends to the cable shall be avoided.

End termination: - The connecting terminals of the tropodur armoured and unarmoured cable shall be terminated on the iron clad main switch / distribution board etc. by using proper size brass / alloy supporting glands for which no extra payment will be made. In case of armoured cables, the armoured wire shall be supported into the gland and connected to the earth as per conventional practice.

### **EARTHING**

14. Except for equipment provided with double insulation, all non-current carrying metal parts of electrical installations are to be earthed properly. All metal conduits, cable sheaths, switchgear, distribution fuse boards, etc. Shall be bonded together and connected to an efficient earth electrode. Medium voltage energy, consuming plant and equipment shall have two separate and distinct connections with earth.

14.1 Earthing conductor :- Earthing conductor shall be of high conductivity copper circular of G.I. wire or any other suitable approved material to give equivalent conductivity and shall not be less than half the largest current carrying conductor or 14 S.W.G. ( 7/00.029") but subject to an upper limit of 65. Sq.mm. For equipment exceeding 750 KVA. size shall be as per IS: 1886-1961.

14.2 Installation:- The buried Earthing lead will be properly protected from mechanical injury by a 1/2" ( 12 mm) G.I. pipe recessed in wall and floor where considered necessary and carried up to the earth electrode.

It shall be fixed over it entire length by clamps, saddles, staples, etc. The earthing lead shall be securely bolted and soldered to the earth electrode with bolt and washers

of the base metal. The earthing lead shall be securely connected at the other end to the main board and all its mountings and looped to all other iron clad switches and distribution boards.

15. Additional Specifications:-

- (a) Any damage to walls, floors etc. during installations and erection must be repaired by the contractor to match the original surface for which no extra amount will be paid.
- (b) Rawl plug and rawl paste can be used for fixing the conduit etc.
- (c) Conduits shall be painted with two coats of synthetic enamel paint of approval quality and shade in workmanlike manner.
- (d) For conduits all the junction boxes, bands, etc. should be of inspection type and there must be electrical continuity throughout the length.
- (e) Approved materials and fittings shall only be used. The Contractor shall replace the unapproved materials and fittings at his own cost.
- (f) Rawl plugs, gutter etc. fixing should be of good quality. Only brass screws shall be used for TW batten, switches, ceiling rose and other accessories etc. Nails are allowed for fixing brass clips.
- (g) The contractor shall submit test report in duplicate for installation and for earth in the form specified by the concerned Electric Supply Company.
- (h) As per relevant IEE regulation, all electrical equipment such as motors, switchgears, etc. should have two separate and distinct earths. Earth connection should be suitably soldered and fitted with forged copper sweating sockets (tinned and bolted to switchgear).
- (i) When aluminum cables are connected to copper bus-bars etc. due care must be taken to prevent electrolytic effects and the work must be of high standard.
- (j) The bus-bars in the bus-bar chambers should be of tinned copper.
- (k) Intending tenderers are advised to study all the specifications, conditions etc. in detail and inspect the site before submitting tenders so as to ascertain the nature and scope of the work involved and the method to be adopted in executing the work.
- (l) The rate quoted shall include cost of cutting holes and chase in walls, floor slabs, repairing the same and restoration of original surface. No-thing extra shall be entertained on this account.
- (m) The Contractor will also be required to submit the 'Form of Completion Certificate' in the required proforma.

Signature and Seal of the Contractor

Date:

## APPENDIX- I

### TESTING OF INSTALLATION

#### Insulation resistance:

- (a) The insulation resistance shall be measured by applying between earth and the whole system of conductors or any section thereof with all fuses in place and all switches closed and except in earthed concentric wiring all lamps in position of both poles of the installation otherwise electrically connected together, a direct current pressure of not less than twice the working pressure provided that it need not exceed 500 volts for medium voltage circuits. Where the supply is derived from the three wire (A.C. or D.C.) or a poly phase system, the neutral pole of which is connected to earth either direct or through added resistance, the working pressure shall be deemed to be that which is maintained between the outer or phase conductor and the neutral.
- (b) The insulation resistance measured as above shall not be less than 50, divided by the number of points on the circuit provided that the whole installation shall be required to have an insulation resistance greater than one megaohm.
- (c) Control rheostats, heating and power appliance and electric signs may, if required, disconnected from the circuit during the test, but in that event the insulation resistance between the case of frame work and all live parts or each rheostat appliance and sign shall not be less than that specified in the relevant Indian Standard Specification or where there is no such specification shall not be less than half a megaohm.
- (d) The insulation resistance shall also be measured between all conductor connected to one or phase conductor of the supply and all the conductors connected to the middle wire or the neutral or to the other pole or phase conductors of the supply and its value shall not be less than

that specified in sub clause (b).

- (e) On completion of an electric installation (or an extension to an installation) a certificate shall be furnished by the contractor countersigned by the qualified supervisor under whose direct supervision the installation was carried out. The certificate shall be in the prescribed form as required by the local Electric Supply Authorities. One such recommended form is given in Appendix II.

**Testing of earth continuity path:-** The earth continuity conductor including metal conduits and metallic envelopes of cables in all cases shall be tested for electric continuity and the electrical resistance of the same along with the earthing lead but excluding any added resistance or earth leakage circuit-breaker measured from the connection with the earth electrode to any point in the earth continuity conductor in the completed installation shall not exceed one ohm.

**Contractor's Signature**

## Appendix – II

### Test Certificate and Maintenance Guarantee

I/We certify that the installation detailed below has been installed by me and tested and that to the best of my/our knowledge and belief, it complies with Indian Electricity rules, 1956 as well as IS:732 Code of Practice for Electrical Wiring Installations (System Voltage not exceeding 650 Volts) (Revised).

(A)	Particulars of work	Number	Total Load	Type of system of wiring
1	Light points			
2	Plug points (3 pin)			
3	Power Points			
4	Distribution Box with MCB			
5	UPS Poi			
6	Overhead lines			
7	Underground cables			

(B)	Earthing
1	Type of material & size of electrode
2	Number of electrodes
3	Size of material of earth wire
(C)	Test results
1	Insulation resistance for the whole installation
	(i) Between conductors
	(ii) Between each conductor and earth
2	Resistance of earthing electrode or earthing system
3	Maximum earthing resistance of installation
4	Insulation resistance at underground cables
5	Polarity test

I/We guarantee the installation for a period of twelve months against defective materials and workmanship, the guarantee commencing from the date the installation is taken over by the owner and during the period of guarantee I/We shall rectify or replace defects in material or workmanship free of cost to the owner.

I/We submit herewith electrical drawings showing the installation and conduit layout as actually executed.

(Signature of Supervisor)	(Signature of Contractor)
Name:	Name :
Address	Address



## APPENDIX HEREIN BEFORE REFERRED TO

Sr. No.		
1.	Defects liability Period	12 Months from the date of issue of virtual Completion certificate.
2.	Period of final measurement	90 days from the date of final completion of work
3.	Date of commencement	10 <sup>th</sup> day from the date of issue of work order.
4.	No. of days for completion of work	35 Days from the tenth day after the date of letter advising acceptance of tender.
5.	Liquidated Damages	0.25% of the contract value per week, Subject to a maximum of 10% of the actual cost of work executed.
6.	Value of work for Interim Certificate	₹2 lakh (min) per bill till pre-final bill.
7.	Retention Percentage	5%

Signature of Contractor with seal

## APPENDIX - III

### List of Approved Makes

The Tenderer shall indicate against each item of equipment the make or manufacturer's name from whom the equipment will be procured. The make of equipment shall be from among those mentioned in the list below. However, any material carrying valid ISI marking shall be considered as equivalent and shall be allowed.

PVC wires Fire Retardant Low Smoke (FRLS)	Finolex, Polycab, Havells
MCBs/ RCBO/ELCB's & D.B.	L&T, Legrand, Siemens, Hager
Lugs	Dowells, Lotus, Braco, Comet
Glands	Siemens, Dowells, Braco, Comet
PVC Conduits and casing capping, PVC box (Heavy Duty)	Precision, Prestoplast, Sintex, AKG, Die Plast
Cables	CCI, Polycab, RR cables, Finolex, Havells
Switch & Socket	Legrand, Anchor Roma, Hager
Light Fitting	Philips, Wipro, Trilux, LT
LED Strip Lights	Philips, Wipro, Havells, Crompton
Telephone Socket	Legrand, MK, D link, Roma
TV Outlet	Legrand, MK, Polycab, Finolex, Roma

Place:

Date:

Seal and Signature of the Tenderer

## **SAFETY CODE**

1. First aid appliances including adequate supply of sterilized dressing and cotton wool shall be kept in a readily accessible place.
2. An injured person shall be taken to a public hospital without loss of time, in cases where the injury necessitates hospitalization.
3. Suitable and strong scaffolds should be provided for workmen for all works that cannot safely be done from the ground/floor.
4. No portable single ladder shall be over 8 meters in length. The width between the side rails shall not be less than 30 cm. (Clear) and the distance between two adjacent rungs shall not be more than 30 cm. When a ladder is used an extra mazdoor shall be engaged for holding ladder.
5. The excavated material shall not be placed within 1.5 metres of the edge of the trench or half of the depth of trenches whichever is more. All trenches and excavations shall be provided with necessary fencing and lighting.
6. Every opening in the floor of a building or in a working platform be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be one metre.
7. No floor, roof or other part of the structure shall be so overloaded with debris or materials as to render it unsafe.
8. Workers employed on mixing and handling material such as asphalt, cement Mortar or concrete and lime mortar shall be provided with protective footwear and rubber hand-gloves.
9. Those engaged in welding works shall be provided with welder's protective eye shields and gloves.
10. (i) No paint containing lead or lead products shall be used except in the form of paste or readymade paint.  
(ii) Suitable facemasks should be supplied for use by the workers when the paint is applied in the form of spray or surface having lead paint dry rubbed and scrapped.
11. Overalls shall be supplied by the Contractor to the painters and adequate facilities shall be provided to enable the working painters to wash during the periods of cessation of work.
12. Hoisting machines and tackle used in the works, including their attachments, anchorage and supports shall be in perfect condition.
13. The ropes used in hoisting or lowering material or as a means of suspension shall be of durable quality and adequate strength and free from defects.

Place:

Date:

Seal and Signature of the Tenderer

## **FIRE SAFETY CODE**

- i. Cutting / drilling machine and other electrically operated equipment used at site shall be plugged into correctly rated electrical outlets.
- ii. Only ISI marked 3-pin plug and other appliances and equipment shall be used.
- iii. Electrical power cables/wires used shall not have any joints and shall be properly rated.
- iv. All electrical appliances i.e. welding, drilling, cutting machine etc. shall be safely and securely earthed to prevent leakage current while in operation.
- v. Before commencing the welding work for the first time on any day, the Engineers shall be informed and only after the site inspection by them, work shall be started.
- vi. Two buckets of water and sand shall be kept in an easily accessible area on the site.
- vii. Fire extinguishers recommended shall be kept on the site.
- viii. Used paint drums shall be stored in specified store only after closing them properly.
- ix. Personal protective equipment such as safety shoes, hand gloves, welder's mask, ear plug etc. depending upon the requirement of the work shall be provided by the contractor to the workmen to prevent occupational health hazards.
- x. The safety belt shall be provided by the contractor and used by the workmen while working from height for more than 10 feet from Ground level.
- xi. None of the passages near lift lobby and staircases shall be used for stacking / dumping any kind of materials/waste.
- xii. Both the staircase doors shall be normally kept closed.
- xiii. None of the fire extinguishers shall be removed/shifted from its designated location.
- xiv. Power supply shall be switched off from the mains when equipment is not in use.
- xv. Wood-shavings and sawdust generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
- xvi. Any debris generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
- xvii. Battery operated emergency light/torches shall be provided by the contractor to the workmen while working beyond office hours.

Place:

Date:

Seal and Signature of the Tenderer

**Section - III**

**Unpriced BOQ**

Miscellaneous Electrical works in connection with renovation of Area outside Banking Hall and Portico at MOB, RBI Chandigarh

<b>S.N.</b>	<b>Description</b>	<b>Qty</b>	<b>UOM</b>
1	Supply, installation, testing and commissioning wiring for Bollard light, Step Lights, Focus Light and Strip using 3 X 2.5 sq. mm with proper color coding 1100 Volt grade insulation multi-stranded copper conductor PVC FRLS insulated wire, in suitable dia. ISI mark heavy duty PVC conduit with required accessories like Bends, Tees, Junction boxes etc., in partly concealed/ partly surface manner (as the case may be) and making it good with cement plaster 1:3 of suitable thickness, merging with adjoining area. The surface shall be finished by skilled persons for getting a smooth and merging surface. Rate shall include for provision of modular type switches in a concealed factory fabricated GI modular box of required size mounting plate fixed on respective approved company make switch boxes concealed in wall and plate connector/angle holder in junction box. Rate for necessary circuit wiring from DB to switch board with 3 X 2.5 sq. mm copper conductor PVC FRLS insulated wire in heavy duty PVC conduit for light points shall also be included in rates for light points. Final connections also shall be made with flexible wires (of suitable rating) etc. Load on each circuit shall not be more than 800Watts (Make of wire: Polycab / Finolex /Havells)		
1a	Wiring (3 x 2.5 sqmm) as above but for 2 to 6 light point in one loop (as mentioned from point 2 to---) controlled MCB from DB complete in all sense and as follows. Four separate circuit for 16 Bollard (4*4) Each circuit controlled by one 10 Amp MCB. Three circuit for 9 Multi utility LED fixture (3*3) each circuit Controlled by one 6 amp MCB, five circuit for 30 step LED (6*5) each circuit controlled by one 6 amp MCB and 2 circuit for LED Strip Lights each circuit controlled by one 6 amp MCB . Wiring includes loop wiring for all kind of fixture also. NOTE: Each Light to be installed at Portico consist of two separate light driver which needs two separate circuit.	14	Nos.
1b	Wiring (3 x 2.5 sqmm) for 6 circuit (4*2*3) for 12 recess mounted fixture to be installed at Portico each circuit controlled by one 10 amp MCB each and 6 separate circuits for LED Strip Lights. Loop wiring from Switch board to fixture and from fixture to fixture for one light point controlled by two 6 Amp Modular type switch and 6 number of 6amp switch for LED Strip lights control with modular sheet, MS box etc. complete in all sense and as directed.	12	Nos.

2	SITC of 11 W+/-1 W Path Directional LED Bollard, Floor Mounted, Extruded aluminum housing, PC lens Diffuser having minimum system lumens of 565, Height 800mm. The luminaire shall have CCT of 3000K and CRI of minimum 70, PF>0.90 and THD<25%. The luminaire shall have IP65 protection. The LED shall be compliant with Useful L70 life of 50000 Hrs. Driver efficiency should be 80% to operate in input voltage range of 180V to 270V (nominal rated voltage – 230V) with 2 KV internal surge protection and driver Efficiency>80% (Make Philips/Wipro/Trilux/LT)	16	Nos.
3	SITC of Ground Recessed or Surface Mounted multi-utility LED Fixture in 8 W +/-1 W having minimum system lumen output of 600 lumens. Fixture construction shall be of aluminum housing having High Purity Lens and clear tempered glass with deep inset LEDs for achieving desired beam angle and Glare free light with IP>=67 for use in dry, damp and wet locations. Fixture designed to directly install on the ground with help of adjustable mounting brackets screws for ease of mounting. LED have useful life 50000 hrs as per LM80. Fixture should withstand input voltage range form 100V-240V and operating temperature range from 0degC to 40degC with CCT of 2700K. Fixture should have beam angle of NB/WB distribution degree along with throw adjustment option with Surge Protection of 2 kV (Make Philips/Wipro/Trilux/LT)	9	Nos.
4	SITC of 7 W +/- 1 W Recess LED Step Light having Die Cast Aluminium housing with P.F.>0.95 and THD<10%. The LED have Useful life of 50000 Hrs at L70 and have IP Protection of IP66, CCT 3000K. The Input voltage range shall be 150V to 270V. Fixture have Surge Protection 3 kV (Make Philips/Wipro/Trilux/LT)	30	Nos.
5	Supply Led fixture 600mmX600mm 34W+/- 1W Recess Mounted Led direct indirect fixture having Circular Diffuser profile with two separate light engine with HET PMMA diffuser with having minimum system lumen efficacy of 100lm/W with CRCA Housing with P.F.>0.95 with THD<10% ,CRI 80,CCT 5700K for direct and 4000K for indirect. The LED with Useful life of 50000 Hrs at L70 with input voltage range 150V-270V with 3 kV Surge Protection (Make Philips/Wipro/Trilux/LT)	12	Nos.
6	Sub-main Wiring: SITC of 3CX 6 sq mm XLPE insulated PVC sheathed, Copper armoured FR cable power cable of 1.1 KV grade conforming to IS grade (7098) amended upto date, laid in underground by excavation of earth, concrete, paver or any type of hard soil, including dressing as per site conditions, levelling of beds or trenches to correct grades, disposal of surplus earth or excavated materials and making good the damaged road. crossing as per direction of Engineer. The quantity may vary depending on the site requirement. Rates are included for termination of cable at both ends properly (Make of Cable: Polycab/Havells/Finolex)	70	RMT
7	SITC of Warm White Led flexi strip light 5W/ Meter (120 LEDs per meter) with CV driver for proper driving of LEDs. IP Protection of IP20 including all accessories (Make: Philips, Wipro, Trilux, LT, Qty: 3 Roll each of 50 meter)	3	Roll

8	<p>Supply, installation, testing and commissioning of 16 way Single phase MCB DB double door factory fabricated, IP 43 protection in concealed manner complete with loop connections, earthing, etc. comprising of following MCBs complete as directed.</p> <p>63 Amps DP C-Curve MCB as incomer-1  32A SP C Curve MCB– 2 nos.  6 to 10 Amp SP C Curve MCB– 12 nos.</p>	2	Set
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Place:

Date:

Seal and Signature of the Tenderer



भारतीय रिज़र्व बैंक / Reserve Bank of India  
सम्पदा विभाग / Estate Department  
चंडीगढ़ / Chandigarh

भारतीय रिज़र्व बैंक चंडीगढ़ के मुख्य कार्यालय भवन में बैंकिंग हॉल और पोर्टिको के बाहर के क्षेत्र के नवीनीकरण के संबंध में विविध विद्युत कार्य हेतु निविदा

Tender for  
Miscellaneous Electrical works in connection with renovation of Area outside  
Banking Hall and Portico at Main Office Building of RBI Chandigarh

भाग-II (मूल्य बोली)  
Part-II (Price Bid)

बोलीदाता का नाम : .....

पता: .....

दूरभाष सं: .....

ईमेल:- .....

बोली पूर्व बैठक का समय एवं स्थान	28 फरवरी 2024 पूर्वाह्न 11:00 बजे स्थान : संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़
बोली प्रस्तुत करने की अंतिम तिथि:	06 मार्च 2024 को अपराह्न 02:00 बजे तक
निविदा का भाग I अर्थात् तकनीकी-वाणिज्यिक बोली खोलने की तिथि:	06 मार्च 2024 को अपराह्न 03:00 बजे तक





भारतीय रिज़र्व बैंक / Reserve Bank of India  
सम्पदा विभाग / Estate Department  
चंडीगढ़ / Chandigarh

**BOQ**

**(To be submitted in a separate sealed envelope superscribing “Part II (Financial Bid)” of the said tender. Kindly do not submit Price Bid alongwith Part I document)**

**Miscellaneous Electrical works in connection with renovation of Area outside Banking Hall and Portico at Main Office Building of RBI Chandigarh**

S.N.	Description	Qty	UOM	Rate (₹)	Amount (₹)
1	Supply, installation, testing and commissioning wiring for Bollard light, Step Lights, Focus Light and Strip using 3 X 2.5 sq. mm with proper color coding 1100 Volt grade insulation multi-stranded copper conductor PVC FRLS insulated wire, in suitable dia. ISI mark heavy duty PVC conduit with required accessories like Bends, Tees, Junction boxes etc., in partly concealed/ partly surface manner (as the case may be) and making it good with cement plaster 1:3 of suitable thickness, merging with adjoining area. The surface shall be finished by skilled persons for getting a smooth and merging surface. Rate shall include for provision of modular type switches in a concealed factory fabricated GI modular box of required size mounting plate fixed on respective approved company make switch boxes concealed in wall and plate connector/angle holder in junction box. Rate for necessary circuit wiring from DB to switch board with 3 X 2.5 sq. mm copper conductor PVC FRLS insulated wire in heavy duty PVC conduit for light points shall also be included in rates for light points. Final connections also shall be made with flexible wires (of suitable rating) etc. Load on each circuit shall not be more than 800Watts (Make of wire: Polycab / Finolex /Havells)				

1a	Wiring (3 x 2.5 sqmm) as above but for 2 to 6 light point in one loop (as mentioned from point 2 to---) controlled MCB from DB complete in all sense and as follows. Four separate circuit for 16 Bollard (4*4) Each circuit controlled by one 10 Amp MCB. Three circuit for 9 Multi utility LED fixture (3*3) each circuit Controlled by one 6 amp MCB, five circuit for 30 step LED (6*5) each circuit controlled by one 6 amp MCB and 2 circuit for LED Strip Lights each circuit controlled by one 6 amp MCB . Wiring includes loop wiring for all kind of fixture also. NOTE: Each Light to be installed at Portico consist of two separate light driver which needs two separate circuit.	14	Nos.		
1b	Wiring (3 x 2.5 sqmm) for 6 circuit (4*2*3) for 12 recess mounted fixture to be installed at Portico each circuit controlled by one 10 amp MCB each and 6 separate circuits for LED Strip Lights. Loop wiring from Switch board to fixture and from fixture to fixture for one light point controlled by two 6 Amp Modular type switch and 6 number of 6amp switch for LED Strip lights control with modular sheet, MS box etc. complete in all sense and as directed.	12	Nos.		
2	SITC of 11 W+/-1 W Path Directional LED Bollard, Floor Mounted, Extruded aluminum housing, PC lens Diffuser having minimum system lumens of 565, Height 800mm. The luminaire shall have CCT of 3000K and CRI of minimum 70, PF>0.90 and THD<25%. The luminaire shall have IP65 protection. The LED shall be compliant with Useful L70 life of 50000 Hrs. Driver efficiency should be 80% to operate in input voltage range of 180V to 270V (nominal rated voltage – 230V) with 2 KV internal surge protection and driver Efficiency>80% (Make Philips/Wipro/Trilux/LT)	16	Nos.		
3	SITC of Ground Recessed or Surface Mounted multi-utility LED Fixture in 8 W +/-1 W having minimum system lumen output of 600 lumens. Fixture construction shall be of aluminum housing having High Purity Lens and clear tempered glass with deep inset LEDs for achieving desired beam angle and Glare free light with IP>=67 for use in dry, damp and wet locations. Fixture designed to directly install on the ground with help of adjustable mounting brackets screws for ease of mounting. LED have useful life 50000 Hrs as per LM80. Fixture should withstand input voltage range form 100V-240V and operating temperature range from 0degC	9	Nos.		

	to 40degC with CCT of 2700K. Fixture should have beam angle of NB/WB distribution degree along with throw adjustment option with Surge Protection of 2 kV (Make Philips/Wipro/Trilux/LT)				
4	SITC of 7 W +/- 1 W Recess LED Step Light having Die Cast Aluminium housing with P.F.>0.95 and THD<10%. The LED have Useful life of 50000 Hrs at L70 and have IP Protection of IP66, CCT 3000K. The Input voltage range shall be 150V to 270V. Fixture have Surge Protection 3 kV (Make Philips/Wipro/Trilux/LT)	30	Nos.		
5	Supply Led fixture 600mmX600mm 34W+/- 1W Recess Mounted Led direct indirect fixture having Circular Diffuser profile with two separate light engine with HET PMMA diffuser with having minimum system lumen efficacy of 100lm/W with CRCA Housing with P.F.>0.95 with THD<10% ,CRI 80,CCT 5700K for direct and 4000K for indirect. The LED with Useful life of 50000 Hrs at L70 with input voltage range 150V-270V with 3 kV Surge Protection (Make Philips/Wipro/Trilux/LT)	12	Nos.		
6	Sub-main Wiring: SITC of 3CX 6 sq mm XLPE insulated PVC sheathed, Copper armoured FR cable power cable of 1.1 KV grade conforming to IS grade (7098) amended upto date, laid in underground by excavation of earth, concrete, paver or any type of hard soil, including dressing as per site conditions, levelling of beds or trenches to correct grades, disposal of surplus earth or excavated materials and making good the damaged road. crossing as per direction of Engineer. The quantity may vary depending on the site requirement. Rates are included for termination of cable at both ends properly (Make of Cable: Polycab/Havells/Finolex)	70	RMT		
7	SITC of Warm White Led flexi strip light 5W/ Meter (120 LEDs per meter) with CV driver for proper driving of LEDs. IP Protection of IP20.Including all accessories (Make: Philips, Wipro, Trilux, LT, Qty: 3 Roll each of 50 meter)	3	Roll		

8	Supply, installation, testing and commissioning of 16 way Single phase MCB DB double door factory fabricated, IP 43 protection in concealed manner complete with loop connections, earthing, etc. comprising of following MCBs complete as directed. 63 Amps DP C-Curve MCB as incomer-2 32A SP C Curve MCB– 4 nos. 6 to 10 Amp SP C Curve MCB– 24 nos.	2			
	<b>S.GST</b>				
	<b>C.GST</b>				
	<b>GRAND TOTAL</b>				

Place:

Date:

Seal and Signature of the Tenderer