



भारतीय रिज़र्व बैंक

संपदा विभाग

चंडीगढ़

### ई-निविदा सूचना

#### **भारतीय रिज़र्व बैंक, एनेक्सी बिल्डिंग (कैंटीन ब्लॉक) सेक्टर-17ए, चंडीगढ़ में कैंटीन, अधिकारी लाउंज और भोजन कक्ष और एक्जीक्यूटिव लाउंज के लिए ग्राउंड फ्लोर का नवीनीकरण**

भारतीय रिज़र्व बैंक, एनेक्सी बिल्डिंग (कैंटीन ब्लॉक) सेक्टर-17ए, चंडीगढ़ में कैंटीन, अधिकारी लाउंज और भोजन कक्ष और एक्जीक्यूटिव लाउंज के लिए ग्राउंड फ्लोर का नवीनीकरण के कार्य के लिए भारतीय रिज़र्व बैंक, चंडीगढ़ पात्र और इच्छुक फर्मों से ई-निविदाएं आमंत्रित करता है। कार्य की अनुमानित लागत **₹98.94 लाख** मात्र (जी. एस. टी. सहित) है।

2. यह एक खुली निविदा है। केवल वे इच्छुक एवं पात्र फर्मों जो MSTC पोर्टल पर पंजीकृत हैं, ई-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. ई-निविदा दो भागों में ऑनलाइन प्रस्तुत की जाएगी। निविदा के भाग-I में प्रस्तावित कार्य के लिए बैंक की मानक तकनीकी और वाणिज्यिक शर्तें होंगी, जिन पर निविदाकर्ता को सहमत होना होगा। ई-निविदा के भाग-II में बैंक की मात्राओं की अनुसूची निर्धारित की गयी है और निविदाकर्ता द्वारा मूल्य बोली ऑनलाइन प्रस्तुत की जाएगी।

4. पात्रता मानदंड को पूरा करने वाली फर्मों और कार्य के आवंटन के लिए विचार किए जाने हेतु निविदाकर्ता को **11 अप्रैल 2025 को पूर्वाह्न 11:00** बजे तक या उससे पहले सभी आवश्यक दस्तावेजों को [www.mstcecommerce.com/eproc](http://www.mstcecommerce.com/eproc) पर अपलोड करना होगा।

5. ई-निविदा के भाग-I को **11 अप्रैल 2025 को अपराह्न 03:00** बजे MSTC Portal पर खोला जायेगा। ई-निविदा की समय-सारणी निम्न अनुसार है:

क	ई-निविदा सं.	RBI/Chandigarh Regional Office/Estate/25/24-25/ET/950
ख	ई-निविदा प्रणाली	ई-प्रापण प्रणाली (ऑनलाइन <a href="http://www.mstcecommerce.com/eproc">www.mstcecommerce.com/eproc</a> पर भाग-I तकनीकी-वाणिज्यिक बोली तथा भाग-II मूल्य बोली)
ग	अनुमानित लागत	<b>₹98.94 लाख</b> (रुपए अठानावे लाख चौरानवे हजार मात्र) (जी. एस. टी. सहित)
घ	ई-निविदा दस्तावेज़ एमएसटीसी पोर्टल एवं बैंक की वेबसाइट से डाउनलोड करने की प्रारम्भिक तिथि	05 मार्च 2025 को अपराह्न 05:00 बजे से
ङ	बयाना राशि (केवल NEFT/DD के माध्यम से)	<b>₹1,97,880/- मात्र</b> <b>लाभार्थी का नाम-</b> भारतीय रिज़र्व बैंक <b>IFSC Code:</b> RBIS0CGPA01 (पंचवा तथा दसवां अंक शून्य है)

		खाता सं.: 186003001
च	बयाना राशि जमा करने की अंतिम तिथि	10 अप्रैल 2025 तक
छ	<a href="http://www.mstcecommerce.com/eprocn">www.mstcecommerce.com/eprocn</a> पर ई-निविदा (ऑनलाइन तकनीकी- वाणिज्यिक बोली और मूल्य बोली) प्रारंभ होने की तिथि	05 मार्च 2025 को अपराह्न 05:00 बजे से
ज	बोली पूर्व बैठक की तिथि एवं समय	01 अप्रैल 2025 को पूर्वाह्न 11:00 बजे स्थान: संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़
झ	ई-निविदा (तकनीकी-वाणिज्यिक बोली एवं मूल्य बोली) बंद होने की तारीख	11 अप्रैल 2025 को पूर्वाह्न 11:00 बजे
ञ	i. ई-निविदा का भाग I (अर्थात तकनीकी- वाणिज्यिक बोली) खोलने की तारीख ii. भाग-II (मूल्य बोली) खोलने की तारीख की सूचना अलग से दी जाएगी	11 अप्रैल 2025 को अपराह्न 03:00 बजे भाग I में अपलोड किए गए दस्तावेज़ों की समीक्षा के बाद में भाग II केवल उन्हीं बोलीदाताओं का खोला जाएगा, जिनके भाग I के साथ अपलोड किए गए दस्तावेज़ों की जांच के पश्चात पात्र पाया जाएगा।
ट	अंतरण फीस	अंतरण फीस का भुगतान एमएसटीसी भुगतान गेटवे / एनईएफटी माध्यम से एमएसटीसी लिमिटेड के पक्ष में किया जाएगा।

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

**भारतीय रिज़र्व बैंक एनेक्सी बिल्डिंग (कैंटीन ब्लॉक) सेक्टर-17ए, चंडीगढ़ में कैंटीन, अधिकारी लाउंज और भोजन कक्ष और एकजीक्यूटिव लाउंज के लिए ग्राउंड फ्लोर का नवीनीकरण हेतु ई-निविदा**

**Tender for**

**Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room (OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh**

**RBI/Chandigarh Regional Office/Estate/ 25/24-25/ET/950**

**भाग- I (टेक्नो-कमर्शियल बोली)**

**Part-I (Techno-Commercial Bid)**

बोलीदाता का नाम : .....

पता: .....

दूरभाष सं: .....

ईमेल:- .....

बोली पूर्व बैठक का समय एवं स्थान	01 अप्रैल 2025 पूर्वाह्न 11:00 बजे <b>स्थान:</b> संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़
बोली प्रस्तुत करने की अंतिम तिथि:	11 अप्रैल 2025 को पूर्वाह्न 11:00 बजे तक
निविदा का भाग I अर्थात तकनीकी-वाणिज्यिक बोली खोलने की तिथि:	11 अप्रैल 2025 को अपराह्न 03:00 बजे

**Note: This is an e-tender. Hence, signed & scanned Part I must be uploaded to MSTC web-site. Part II/price bid excel must be submitted on the MSTC Portal separately.**

**Bidder/Contractor/Tenderer means those who are participating in the tendering process. Successful bidder/contractor/Tenders mean who quote Lowest rates after evaluating the Part I and Part II of tender.**

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### **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 संबंधित 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 स्वम 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 दस्तावेजों / फॉर्मों में निहित जानकारी पर भरोसा नहीं करना चाहिए। यदि उत्तरदाताओं द्वारा सम्यक उद्यम का पालन नहीं किया जाता है तो भारतीय रिज़र्व बैंक जिम्मेदार नहीं होगा।

The information is not intended to be exhaustive. Interested parties are required to make their own inquiries. Respondents to this e-tender are required to make their own inquiries and they

should not rely solely on the information contained in the blank e-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 रिजर्व बैंक या इसके किसी भी प्राधिकरण या एजेंसियों या उनके संबंधित 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 रिजर्व 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 या प्रक्रिया को बदलने का अधिकार सुरक्षित रखता है। यह रुचि व्यक्त करने वाले किसी भी पक्ष के साथ मामले पर आगे चर्चा करने से इनकार करने का अधिकार भी सुरक्षित रखता है। रुचि 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 timetable 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.



भारतीय रिज़र्व बैंक  
संपदा विभाग  
चंडीगढ़

**ई-निविदा सूचना**

**भारतीय रिज़र्व बैंक, एनेक्सी बिल्डिंग (कैंटीन ब्लॉक) सेक्टर-17ए, चंडीगढ़ में कैंटीन, अधिकारी लाउंज और भोजन कक्ष और एक्जीक्यूटिव लाउंज के लिए ग्राउंड फ्लोर का नवीनीकरण**

भारतीय रिज़र्व बैंक, एनेक्सी बिल्डिंग (कैंटीन ब्लॉक) सेक्टर-17ए, चंडीगढ़ में कैंटीन, अधिकारी लाउंज और भोजन कक्ष और एक्जीक्यूटिव लाउंज के लिए ग्राउंड फ्लोर का नवीनीकरण के कार्य के लिए भारतीय रिज़र्व बैंक, चंडीगढ़ पात्र और इच्छुक फर्मों से ई-निविदाएं आमंत्रित करता है। कार्य की अनुमानित लागत **₹98.94 लाख** मात्र (जी० एस० टी० सहित) है।

2. यह एक खुली निविदा है। केवल वे इच्छुक एवं पात्र फर्मों जो MSTC पोर्टल पर पंजीकृत हैं, ई-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. ई-निविदा दो भागों में ऑनलाइन प्रस्तुत की जाएगी। निविदा के भाग- I में प्रस्तावित कार्य के लिए बैंक की मानक तकनीकी और वाणिज्यिक शर्तें होंगी, जिन पर निविदाकर्ता को सहमत होना होगा। ई-निविदा के भाग- II में बैंक की मात्राओं की अनुसूची निर्धारित की गयी है और निविदाकर्ता द्वारा मूल्य बोली ऑनलाइन प्रस्तुत की जाएगी।

4. पात्रता मानदंड को पूरा करने वाली फर्मों और कार्य के आवंटन के लिए विचार किए जाने हेतु निविदाकर्ता को **11 अप्रैल 2025 को पूर्वाह्न 11:00** बजे तक या उससे पहले सभी आवश्यक दस्तावेजों को [www.mstcecommerce.com/eprocn](http://www.mstcecommerce.com/eprocn) पर अपलोड करना होगा।

5. ई-निविदा के भाग-I को **11 अप्रैल 2025 को अपराह्न 03:00** बजे MSTC Portal पर खोला जायेगा। ई-निविदा की समय-सारणी निम्न अनुसार है:

क	ई-निविदा सं०	<b>RBI/Chandigarh Regional Office/Estate/25/24-25/ET/950</b>
ख	ई-निविदा प्रणाली	ई-प्रापण प्रणाली (ऑनलाइन <a href="http://www.mstcecommerce.com/eprocn">www.mstcecommerce.com/eprocn</a> पर भाग- I तकनीकी-वाणिज्यिक बोली तथा भाग-II मूल्य बोली)
ग	अनुमानित लागत	<b>₹98.94 लाख</b> (रुपए अठानावे लाख चौरानवे हज़ार मात्र) (जी० एस० टी० सहित)
घ	ई-निविदा दस्तावेज़ एमएसटीसी पोर्टल एवं बैंक की वेबसाइट से डाउनलोड करने की प्रारम्भिक तिथि	05 मार्च 2025 को अपराह्न 05:00 बजे से

ड	बयाना राशि (केवल NEFT/DD के माध्यम से)	<b>₹ 1,97,880/- मात्र</b> <b>लाभार्थी का नाम-</b> भारतीय रिज़र्व बैंक <b>IFSC Code:</b> RBIS0CGPA01 (पंचवा तथा दसवां अंक शून्य है) <b>खाता सं०:</b> 186003001
च	बयाना राशि जमा करने की अंतिम तिथि	10 अप्रैल 2025 तक
छ	<a href="http://www.mstcecommerce.com/eprocn">www.mstcecommerce.com/eprocn</a> पर ई-निविदा (ऑनलाइन तकनीकी-वाणिज्यिक बोली और मूल्य बोली) प्रारंभ होने की तिथि	05 मार्च 2025 को अपराह्न 05:00 बजे से
ज	बोली पूर्व बैठक की तिथि एवं समय	01 अप्रैल 2025 को पूर्वाह्न 11:00 बजे स्थान: संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़
झ	ई-निविदा (तकनीकी-वाणिज्यिक बोली एवं मूल्य बोली) बंद होने की तारीख	11 अप्रैल 2025 को पूर्वाह्न 11:00 बजे
ञ	i. ई-निविदा का भाग I (अर्थात् तकनीकी-वाणिज्यिक बोली) खोलने की तारीख ii. भाग- II (मूल्य बोली) खोलने की तारीख की सूचना अलग से दी जाएगी	11 अप्रैल 2025 को अपराह्न 03:00 बजे भाग I में अपलोड किए गए दस्तावेजों की समीक्षा के बाद में भाग II केवल उन्हीं बोलीदाताओं का खोला जाएगा, जिनके भाग I के साथ अपलोड किए गए दस्तावेजों की जांच के पश्चात पात्र पाया जाएगा।
ट	अंतरण फीस	अंतरण फीस का भुगतान एमएसटीसी भुगतान गेटवे / एनईएफटी माध्यम से एमएसटीसी लिमिटेड के पक्ष में किया जाएगा।

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





**Reserve Bank of India  
Estate Department  
Chandigarh**

**E-Tender Notice**

**Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room (OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh**

Reserve Bank of India, Chandigarh (the Bank) invites E-Tender from eligible and willing firms for undertaking 'Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room (OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh'. The estimated cost of work is **₹98.94 lakh (including GST)** only.

2. It is an open e-tender. Only those interested and eligible firms which are registered on MSTC portal will be able to take part in the tender process. The e-tender document is available on the Bank's website [www.rbi.org.in](http://www.rbi.org.in) and [www.mstcecommerce.com/eproc](http://www.mstcecommerce.com/eproc) for download.

3. E-Tender shall be submitted online 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 by the tenderers. Part-II of the tender will contain the Bank's schedule of quantities and tenderer's price bid to be submitted online.

4. The firms fulfilling the eligibility criteria and for being considered for the award of work should upload all the required documents at [www.mstcecommerce.com/eproc](http://www.mstcecommerce.com/eproc) on or before **April 11, 2025 till 11:00 AM**.

5. Part-I of the e-tender will be opened on **April 11, 2025 at 03:00 PM** on the MSTC website. The timeline of the e-tender is as follows:

A	E-Tender no.	RBI/ Chandigarh Regional Office/ Estate/25/24-25/ET/ <b>950</b>
B	Mode of E-Tender	e-Procurement System  (Online Part I - Techno-Commercial Bid and Part II - Price Bid through MSTC portal ( <a href="http://www.mstcecommerce.com/eproc">www.mstcecommerce.com/eproc</a> ))
C	Estimated cost	<b>₹98.94 lakh (Rupees Ninety Eight Lakh Ninety Four Thousand Only) (Including GST)</b>
D	Date of availability of E-Tender Document for download on RBI Website	March 05, 2025 from 05:00 PM onwards

E	Earnest Money Deposit (Only through NEFT/DD)	<b>₹1,97,880/- (Rupees One lakh Ninety Seven Thousand eight hundred and Eighty only) Beneficiary Name-</b> Reserve Bank of India  <b>IFSC:</b> RBIS0CGPA01 (5th and 10th being zero)  <b>Account No:</b> 186003001
F	Last date to deposit EMD	April 10, 2025
G	Starting Date of e-Tender for submission of Part-I (Techno-Commercial Bid) and Part-II (Price Bid) at <a href="http://www.mstcecommerce.com/eproc">www.mstcecommerce.com/eproc</a>	March 05, 2025 from 05:00 PM onwards
H	Date and time of pre bid meeting	April 01, 2025 at 11:00 AM  Venue: Estate Department, 3 <sup>rd</sup> Floor, Main Office Building, Reserve Bank of India, Central Vista, Sector-17, Chandigarh
I	Closing Date of e-tender for submission of Techno-Commercial Bid & Price Bid	April 11, 2025 till 11:00 AM
J	a. Date & time of opening of Part I (Techno-Commercial Bid)  b. Date of opening of Part II (Price Bid) will be informed separately	April 11, 2025 at 03:00 PM  After review of the documents uploaded in Part I, Part II will be opened only for those bidders who are found eligible after scrutiny of the documents uploaded along with Part I.
K	Transaction Fee	Payment of transaction fee through MSTC payment gateway / NEFT in favour of MSTC Ltd

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 E-tender**

Regional Director  
Reserve Bank of India,  
Estate Department,  
Chandigarh- 160017

Madam / Dear Sir,

Having read and examined the Notice Inviting e-Tender, specifications & designs, drawings, Schedule of Quantities, various schedules, General conditions of contract and, Special conditions of contract, General rules and instructions to bidders, clauses and all other contents in the tender document for the work specified in the memorandum hereinafter set out and having examined the site of the works 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 the specifications & designs, drawings and instructions in writing referred to in General Conditions of Contract, the Articles of Agreement, Special Instructions, Schedule of Quantities and Special Conditions of Contract and with such materials as are provided for, by and in all other respects in accordance with such conditions so far as they may be applicable.

#### **Memorandum**

Description of work	Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room (OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh
Estimated cost (₹)	<b>₹98.94 lakh (Rupees Ninety-Eight Lakh Ninety-Four Thousand Only) (Including GST)</b>
Time allowed for completion of the work	<b>210 days</b> from 14 <sup>th</sup> day of award of work
Earnest Money Deposit (₹)	<b>₹1,97,880/- (Rupees One lakh Ninety-Seven Thousand eight hundred and Eighty Only)</b>
Performance Bank Guarantee	Bank Guarantee from any Scheduled Bank for an amount equal to 5% of the contract amount
Percentage, if any, to be deducted from each bill	5%

2. We agree to keep the tender open for the validity period of the tender as 3 months from date of opening of Part-I of the tender and not to make any modification in its terms and conditions during the validity period or any other extended period as agreed mutually.

3. **I / We have deposited a sum of ₹1,97,880/- only as Earnest Money** with the Reserve Bank of India through NEFT/DD, which amount is not to bear any interest. If I / we, fail to

furnish the prescribed performance bank guarantee within the prescribed period, I / we agree that the Reserve Bank of India or its successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money deposit absolutely. Further, if I / we fail to commence work as specified, I / we agree that Reserve Bank of India or its successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender document upon the terms and conditions contained therein.

4. Further, I / we agree that in case of forfeiture of Earnest Money Deposit or Performance Bank Guarantee as aforesaid, I/we shall be debarred from participation in the re-tendering process of the work.

5. I / We undertake and confirm that eligible similar work(s) has / have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Reserve Bank of India, then I / we shall be debarred from tendering in Reserve Bank of India in future. Also, if such a violation comes to the notice of Reserve Bank of India before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit / Performance Guarantee.

6. I / We hereby declare that I / we shall treat the tender documents, drawings and other records connected with the work as secret / confidential documents and shall not communicate information/derived therefrom to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the Reserve Bank of India.

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

8. Our bankers are (Name and full address)

(i)	
(ii)	

The names of partners of our firm are:

(i)	
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(ii)	
------	--

Name of the partner of the firm authorized to sign	
OR	
Name of person having power of Attorney to sign the Contract (certified true copy of the Power of Attorney should be attached)	

Yours faithfully,

**Signature of the Bidder with seal**

Signatures and addresses of witnesses

	<b>Signature</b>	<b>Address</b>
(i)		
(ii)		

## **Section II- Important instructions for e-tender**

Bidders are requested to read the terms & conditions of this tender before submitting online tender.

1.	<p>Process of e-tender:</p> <p><b>(A) Registration</b></p> <p>The process involves vendor's registration with MSTC e-procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Technical Bid as well as Commercial Bid will be done over the internet. The Vendor should possess Class III signing type digital certificate. Vendors are to make their own arrangement for bidding from a P.C. connected with Internet. MSTC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).</p> <p>Special note: The technical bid and the commercial bid has to be submitted online at <a href="http://www.mstcecommerce.com/eproc">www.mstcecommerce.com/eproc</a></p> <p>1) Vendors are required to register themselves online with <a href="http://www.mstcecommerce.com">www.mstcecommerce.com</a> → e-Procurement → PSU / Govt depts → Select RBI Logo → Register as Vendor -- Filling up details and creating own user id and password → Submit.</p> <p>2) Vendors will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form.</p> <p>In case of any clarification, please contact RBI/MSTC, (before the scheduled time of the e-tender).</p> <p><b><u>Contact Details (RBI, Chandigarh):</u></b></p> <p>Estate Department, 3<sup>rd</sup> floor, Reserve bank of India, Chandigarh, Central Vista, Secor-17A, Chandigarh- 160017</p> <p><b>Contact person (RBI):</b></p> <p>i) Sh. Nakul Nagde (Manager, Civil) 9829589139, (<a href="mailto:nakulnagde@rbi.org.in">nakulnagde@rbi.org.in</a>). ii) Sh. Sudhanshu Vikram (AM, Civil): 9130111152 (<a href="mailto:sudhansuv@rbi.org.in">sudhansuv@rbi.org.in</a>). iii) Sh. Nishant Pandey (AM, Electrical): 8866503556 (<a href="mailto:nishantpandey@rbi.org.in">nishantpandey@rbi.org.in</a>)</p> <p><b><u>Contact person (MSTC Ltd.)</u></b></p> <p>1) MSTC help desk: 07969066600</p> <p>2) Mr Keshav Arora, Deputy Manager, <a href="mailto:cdgopn1@mstcindia.in">cdgopn1@mstcindia.in</a>; 9830430434, 3) Mr Pankaj Kumar, Deputy Manager, <a href="mailto:cdgopn2@mstcindia.in">cdgopn2@mstcindia.in</a>, 7229068247 Google hangout ID- (for text chat)- <a href="mailto:mstceproc@gmail.com">mstceproc@gmail.com</a></p>
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**(B) System Requirement:**

- i) Windows 7 or above Operating System
- ii) IE-7 and above Internet browser.
- iii) Signing type digital signature
- iv) Latest updated JRE 8 (x86 Offline) software to be downloaded and installed in the system.

To disable “Protected Mode” for DSC to appear in The signer box following settings may be applied.

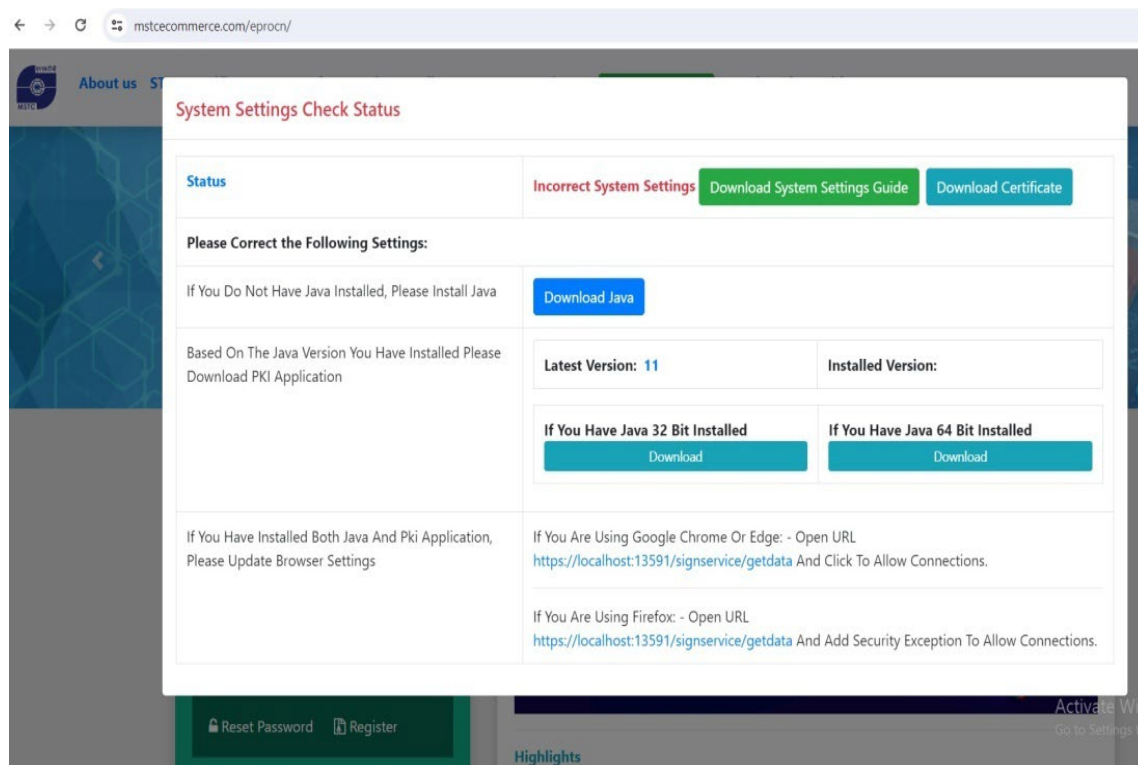
Tools => Internet Options => Security => Disable protected Mode If enabled- i.e, Remove the tick from the tick box mentioning “Enable Protected Mode”.

Other Settings:

Tools => Internet Options => General => Click on Settings under “browsing history/ Delete Browsing History” => Temporary Internet Files => Activate “Every time I Visit the Webpage”.

To enable ALL active X controls and disable ‘use pop up blocker’ under Tools→ Internet Options → custom level (Please run IE settings from the page [www.mstcecommerce.com](http://www.mstcecommerce.com) once)

For details, vendor may refer to the **DOWNLOAD SYSTEM SETTING GUIDE** available <https://www.mstcecommerce.com/eprocn/>



2. The Techno-commercial Bid and the Price Bid shall have to be submitted online at [www.mstcecommerce.com/eprocn](http://www.mstcecommerce.com/eprocn). E-tenders will be opened electronically on specified date and time as given in the E-tender.

3.	All entries in the e-tender should be entered in online Technical & Commercial Formats without any ambiguity.
4.	<p>Special Note towards Transaction fee:</p> <p>The vendors shall pay the transaction fee using “Transaction Fee Payment” Link under “My Menu” in the vendor login. The vendors have to select the particular e-tender from the event dropdown box. The vendor shall have the facility of making the payment either through NEFT or Online Payment. On selecting NEFT, the vendor shall generate a challan by filling up a form. The vendor shall remit the transaction fee amount as per the details printed on the challan without making change in the same. On selecting Online Payment, the vendor shall have the provision of making payment using its Credit/ Debit Card/ Net Banking. Once the payment gets credited to MSTC’s designated bank account, the transaction fee shall be auto authorized and the vendor shall be receiving a system generated mail.</p> <p><b>Transaction fee is non-refundable.</b></p> <p>A vendor will not have the access to online e-tender without making the payment towards transaction fee.</p> <p>Note: Bidders are advised to remit the transaction fee well in advance before the closing time of the event so as to give themselves sufficient time to submit the bid.</p>
5.	Information about e-tenders / corrigendum uploaded shall be sent by email only during the process till finalization of e-tender. Hence the vendors are required to ensure that their corporate email I.D. provided is valid and updated at the time of registration of vendor with MSTC. Vendors are also requested to ensure validity of their DSC (Digital Signature Certificate).
6.	E-tender cannot be accessed after the due date and time mentioned in NIT.
7.	<p>Bidding in e-tender:</p> <p>(a) Vendor(s) need to submit necessary EMD, e-tender fees and Transaction fees (If ANY) to be eligible to bid online in the e-tender. E-Tender fees and Transaction fees are non-refundable. No interest will be paid on EMD. EMD of the unsuccessful vendor(s) will be refunded by the e-tender inviting authority.</p> <p>(b) The process involves Electronic Bidding for submission of Technical and Commercial Bid.</p> <p>(c) The vendor(s) who have submitted transaction fee can only submit their Technical Bid and Commercial Bid through internet in MSTC website <a href="http://www.mstcecommerce.com">www.mstcecommerce.com</a> → e-procurement → PSU/Government departments. → Login under RBI → My menu → Auction Floor Manager → live event → Selection of the live event.</p> <p>(d) The vendor should allow running JAVA application. This exercise has to be done immediately after opening of Bid floor. Then they have to fill up Common</p>



	<p>terms/Commercial specification and save the same. After that click on the Technical bid. If this application is not run then the vendor will not be able to save/submit his Technical bid.</p> <p>(e) After filling the Technical Bid, vendor should click 'save' for recording their Technical bid. Once the same is done, the Commercial Bid link becomes active and the same has to be filled up and then vendor should click on "save" to record their Commercial bid. Then once both the Technical bid &amp; Commercial bid has been saved, the vendor can click on the "Final submission" button to register their bid.</p> <p>(f) Vendors are instructed to use Attach Doc button to upload documents. Multiple documents can be uploaded.</p> <p>(g) In all cases, vendor should use their own ID and Password along with Digital Signature at the time of submission of their bid.</p> <p>(h) During the entire e-tender process, the vendors will remain completely anonymous to one another and also to everybody else.</p> <p>(i) The e-tender floor shall remain open from the pre-announced date &amp; time and for as much duration as mentioned above.</p> <p>(j) All electronic bids submitted during the e-tender process shall be legally binding on the vendor. Any bid will be considered as the valid bid offered by that vendor and acceptance of the same by the Buyer will form a binding contract between Buyer and the Vendor for execution of.</p> <p>(k) It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.</p> <p>(l) Buyer reserves the right to cancel or reject or accept or withdraw or extend the e-tender in full or part as the case may be without assigning any reason thereof.</p> <p>(m) No deviation of the terms and conditions of the e-tender document is acceptable. Submission of bid in the e-tender floor by any vendor confirms his acceptance of terms &amp; conditions for the e-tender.</p>
8.	Any order resulting from this e-tender shall be governed by the terms and conditions mentioned therein.
9.	No deviation to the technical and commercial terms & conditions are allowed
10.	The e-tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof
11.	<p>Vendors are requested to read the vendor guide and see the video in the page <a href="http://www.mstcecommerce.com/eprocn">www.mstcecommerce.com/eprocn</a> to familiarize them with the system before bidding. For technical assistance, MSTC officials may be contacted at <b>033-23400020 / 23400021 / 23400022</b> and id - <a href="mailto:helpdesk@mstcindia.co.in">helpdesk@mstcindia.co.in</a> well in advance and bidders are advised to avoid any last minute rush. In case of any technical assistance required from MSTC, Bidders must contact MSTC at least one day prior before the e-tender closing day and get all their queries resolved.</p>

I/We hereby declare that I / we have read and understood the information provided in tender document.

Signature of bidder with seal

Date:

Place:

### **Section III- करारनामा का प्रारूप / Draft Articles of Agreement**

(उचित मूल्य के गैर-न्यायिक स्टम्प पेपर पर)

(On Non-Judicial Stamp Paper of appropriate value)

यह करार वर्ष \_\_\_\_\_ के माह \_\_\_\_\_ के \_\_\_\_\_ वें दिन एक पक्ष के तौर पर क्षेत्रीय निदेशक, संपदा विभाग, भारतीय रिज़र्व बैंक, चंडीगढ़- 160017 (जिसे इसके बाद "नियोक्ता" कहा गया है) और दूसरे पक्ष \_\_\_\_\_ (जिन्हें इसके बाद "संविदाकर्ता" कहा गया है) के बीच निष्पादित किया गया।

ARTICLES OF AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_ between the Reserve Bank of India, Regional Director, Reserve Bank of India, Estate Department, Chandigarh – 160017, \_\_\_\_\_ (hereinafter called "the Employer") of the one part and \_\_\_\_\_ (hereinafter called "the Contractor") of the other part.

जबकि नियोक्ता **"भारतीय रिज़र्व बैंक, एनेक्सी बिल्डिंग (कैंटीन ब्लॉक) सेक्टर-17ए, चंडीगढ़ में कैंटीन, अधिकारी लाउंज और भोजन कक्ष और एकजीक्यूटिव लाउंज के लिए ग्राउंड फ्लोर का नवीनीकरणका कार्य"** कराने का इच्छुक है और रेखाचित्र एवं विनिर्देश तैयार किए हैं जिसमें किए जाने वाले कार्यों का उल्लेख है।

और जबकि उक्त रेखाचित्र, विनिर्देश, मात्राओं की अनुसूची पर उनके द्वारा अथवा पक्षकारों की ओर से हस्ताक्षर किए गए हैं।

WHEREAS the Employer is desirous of carrying out the work of **'Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room (OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh** and has caused drawings and specifications describing the works to be done.

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

और जबकि संविदाकर्ता इसमें निर्धारित की गई रेखाचित्रों, 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 and 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 rate 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 रेखाचित्रों, विनिर्देशों में और मात्रा अनुसूची में यथा उल्लिखित कार्य को निष्पादित और पूरा करेगा।

In considerations of the 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 Specifications and the Schedule of Quantities.

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

The Employer 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 में 'आर्किटेक्ट' शब्द का आशय इस संविदा के तहत निष्पादित किए जाने वाले कार्य की वास्तुशिल्पीय योजना और डिजाइनिंग आदि के उद्देश्य हेतु 'आर्किटेक्ट' से है।

The term "Architect" in the said conditions shall mean 'Architect' for the purpose of architectural planning & designing etc. of the Renovation works under this contract.

4. भारतीय रिज़र्व बैंक कार्यों के पर्यवेक्षण, बिलों के प्रमाणीकरण, भुगतान करने और विभिन्न नियमों, शर्तों और संविदा की शर्तों को लागू करने के लिए सीधे व्यवस्था करेगा।

The Reserve Bank of India shall administer and directly arrange for supervision of works, certification of bills, making payments and implementation of various terms, conditions and stipulations of the contract.

5. उक्त शर्तों और इसके साथ संलग्न परिशिष्ट को इसके साथ पढ़ा जाए और उन्हें इस करार का एक हिस्सा माना जाएगा तथा पक्षकारों को उक्त शर्तों का पालन करना होगा और उक्त शर्तों के अनुसार क्रमशः अपने-अपने हिस्से का करार निष्पादित करना होगा।

The said conditions and various schedules 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.

6. यहां करार और इसमें उल्लिखित दस्तावेज इस करार के आधार होंगे।

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

7. यह संविदा न तो कोई नियत एकमुस्त संविदा है, न ही खंडित कार्य संविदा है, बल्कि भारतीय रिज़र्व बैंक, एनेक्सी बिल्डिंग (कैंटीन ब्लॉक) सेक्टर-17ए, चंडीगढ़ में कैंटीन, अधिकारी लाउंज और भोजन

**कक्ष और एक्जीक्यूटिव लाउंज के लिए ग्राउंड फ्लोर का नवीनीकरण** के संबंध में संपूर्ण कार्य करने हेतु संविदा है, जिसके लिए भुगतान दर अनुसूची में दी गई दरों पर वास्तविक तयशुदा मात्रा और संभावित मात्रा के अनुसार अथवा निर्धारित शर्तों में किए गए प्रावधान के अनुसार किया जाना है।

This Contract is neither a fixed Lump sum contract nor a Piece Work Contract but is a Contract to carry out the work in respect of '**Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room (OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh**' to be paid for according to actual measured quantities at the rate contained in the Schedule of rates and Probable Quantities or as provided in the said Conditions.

8. संविदाकर्ता स्थायी जल आपूर्ति, इलेक्ट्रिकल संस्थापन, फिटिंग्स, लिफ्ट, टेलीफोन, एयर कंडीशनिंग और अन्य सहायक कार्यों से संबंधित सभी कार्यों को करने हेतु हर यथोचित सुविधा उपलब्ध कराएगा और कार्य पूरा होने के पश्चात दीवारों, फर्शों इत्यादि को हुई किसी भी क्षति की भरपाई करेगा।

The Contractor shall afford every reasonable facility for the carrying out of all works relating to civil works, installation of sanitary work and fittings, permanent water supply, electrical installations, fittings, air conditioning 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.

9. नियोक्ता को यह अधिकार होगा कि वह इस संविदा पर प्रतिकूल प्रभाव डाले बिना किसी भी कार्य को जोड़कर अथवा हटाकर अथवा उक्त कार्य के किसी भाग को किसी और से कराकर कार्य के स्वरूप में बदलाव कर सकता है।

The Employer reserves to itself the right of altering the Drawings 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.

10. समय को इस संविदा का सबसे महत्वपूर्ण कारक माना जाएगा और संविदाकर्ता इसके द्वारा साइट प्राप्त होने के तुरंत बाद या जैसा कि उक्त शर्तों में प्रावधान है, जो भी बाद में हो, कार्य प्रारंभ कर देने और पूरा विनिर्दिष्ट कार्य **210 दिनों** के भीतर पूर्ण कर देने पर सहमत है, तथापि यह समय विस्तार के प्रावधान के अधीन होगा।

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 the scheduled date of commencement as provided for in the said Conditions whichever is later and to complete the entire work within **210 days** subject nevertheless to the provisions for extension of time.

11. ठेकेदार एतद्वारा कार्यादेश की तिथि के **14<sup>वें</sup>** दिन से काम शुरू करने तथा **210 दिनों** के भीतर कार्य पूर्ण करने के लिए, दोनों पक्षों द्वारा पारस्परिक रूप से तय लिखित रूप (यानी, समझौते के विलेख के माध्यम से या पत्रों / ईमेल के आदान-प्रदान द्वारा) में समय विस्तार के प्रावधानों के अधीन रहते हुए, सहमत है।

The Contractor hereby agrees to commence the work from **14<sup>th</sup> day** of date of work award letter and to complete the entire work within **210 days** subject nevertheless to the provisions for extension of time in writing by such form (i.e., by way of deed of agreement or

by exchange of letters / emails) as may be mutually decided by the parties.

12. कार्य, अनुबंध की निर्धारित अवधि के दौरान, सम्यक उद्यम के साथ किया जाएगा और यदि ठेकेदार निर्दिष्ट अवधि के भीतर काम पूरा करने में विफल रहता है, तो वह परिसमापन हर्जाने का भुगतान करने के लिए उत्तरदायी होगा। परिसमापन हर्जाने की वसूली देय **सकल राशि का 0.25% प्रति सप्ताह (या उसके भाग)** होगी तथा अधिकतम देय सकल राशि का 10% होगी और नियोक्ता ठेकेदार को देय किसी भी धन से ऐसे नुकसान की कटौती कर सकता है।

The work shall, throughout the stipulated period of the contract, be preceded with all the diligence and if the contractor fails to complete the work within the specified period, he shall be liable to pay liquidated damages. The recovery of Liquidated Damages shall be **0.25% of the gross amount payable per week (or part thereof)** and subject to a maximum 10% of the gross amount payable and the Employer may deduct such damages from any money due to the Contractor.

13. इस संविदा के अंतर्गत नियोक्ता द्वारा किए जाने वाले सभी भुगतान केवल चंडीगढ़ में किए जाएंगे। All payments by the Employer under this Contract will be made only at Chandigarh.

14. इस करार से उत्पन्न अथवा इससे किसी भी रूप में जुड़े सभी विवादों के बारे में यह माना जाएगा कि वे चंडीगढ़ में उत्पन्न हुए हैं और उन पर केवल चंडीगढ़ स्थित न्यायालयों को उन पर निर्णय देने का अधिकार 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.

15. इस संविदा के अनेक हिस्से संविदाकर्ता द्वारा पढ़ लिए गए हैं और संविदाकर्ता द्वारा पूरी तरह से समझ लिए गए हैं। जब तक बैंक के इंजीनियर-इन-चार्ज ने लिखित रूप में विशेष निर्देश न दिए हों तब तक संविदाकर्ता को निविदा में उल्लिखित मात्राओं के परे भुगतान नहीं किया जाएगा।

That the several parts of this Contract have been read by the Contractor and fully understood by the Contractor. The Contractor shall not be entitled for the payment for the quantities beyond the tendered quantities unless ordered for by specific written instructions from the Bank's Engineer-in-Charge.

16. **गैर प्रकटीकरण खंड:** संविदाकर्ता और उसका कर्मचारी प्रत्यक्ष अथवा परोक्ष रूप से ऐसी कोई भी सूचना, सामग्री और बैंक की आधारभूत संरचना/ सिस्टम / उपकरण आदि का विवरण जो इस करार से जुड़े अपने दायित्वों का निर्वहन करते समय उसके कब्जे या संज्ञान में आई हों, किसी अन्य पक्ष के साथ साझा नहीं करेगा और हर समय उसे अत्यंत गोपनीय रखेगा। संविदाकर्ता करार के विवरण उस सीमा तक निजी और गोपनीय रखेगा जब तक कि इसके तहत दायित्वों का निर्वहन करने अथवा प्रयोज्य कानूनों के पालन हेतु अन्यथा अपेक्षित न हो। संविदाकर्ता नियोक्ता की लिखित पूर्वानुमति के बिना कार्य के किसी भी विवरण को किसी व्यावसायिक या तकनीकी पत्र अथवा अन्यत्र न तो प्रकाशित करेगा, न ही प्रकाशन की अनुमति देगा अथवा उसका खुलासा ही करेगा। किसी गोपनीय सूचना के प्रकटन के कारण नियोक्ता को होने वाले नुकसान हेतु संविदाकर्ता द्वारा नियोक्ता को क्षतिपूरित किया जाएगा। उपर्युक्त का पालन

करने में विफलता को संविदाकर्ता के स्तर से संविदा का उल्लंघन माना जाएगा और नियोक्ता को हक होगा कि वह हुए नुकसान का दावा करे और कानूनी कार्रवाई शुरू कर दे।

**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.

संविदाकर्ता अपने कर्मचारियों के मामले में वे सभी उचित कदम उठाएगा जिससे कि इस करार के अधीन सभी गोपनीय सूचनाओं के गैर-प्रकटीकरण की शर्त का पूर्ण अनुपालन हो।

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.

अप्रकटीकरण और गोपनीयता संबंधी संविदाकर्ता की बाध्यता इस करार की समाप्ति/निरस्तीकरण, चाहे जिस वजह से हो, के उपरांत भी रहेगी।

The Contractor's obligations with respect to non-disclosure and confidentiality will survive the expiry or termination of this agreement for whatever reason.

## 17. कार्यस्थल पर महिलाओं का यौन उत्पीड़न:

### **Sexual Harassment Clause:**

क) कार्यस्थल पर महिलाओं के यौन उत्पीड़न (रोकथाम, निषेध और निवारण) अधिनियम, 2013 के प्रावधानों के पूर्ण अनुपालन का उत्तरदायित्व पूरी तरह से संविदाकर्ता का होगा। बैंक के परिसर के भीतर अपने किसी कर्मचारी के विरुद्ध यौन उत्पीड़न की किसी शिकायत की स्थिति में संविदाकर्ता/ एजेंसी द्वारा गठित आंतरिक शिकायत समिति के समक्ष शिकायत दर्ज की जाएगी।

The Contractor/Agency shall be solely responsible for full compliance with the provisions of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013. In case of any complaint of sexual harassment against its employees 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 of the compliant.

ख) संविदाकर्ता के किसी पीड़ित कर्मचारी से बैंक के किसी कर्मचारी के विरुद्ध प्राप्त यौन उत्पीड़न संबंधी शिकायत का संज्ञान बैंक द्वारा गठित क्षेत्रीय शिकायत समिति द्वारा लिया जाएगा।

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.

ग) संविदाकर्ता के कर्मचारियों की संलिप्तता की स्थिति में भुगतान किए जाने के लिए आवश्यक क्षतिपूर्ति के लिए संविदाकर्ता उत्तरदायी होगा, उदाहरण के लिए यदि संविदाकर्ता के किसी कर्मचारी द्वारा की गई यौन हिंसा प्रमाणित हो जाती है तो बैंक कर्मचारी को दी जाने वाली मौद्रिक राहत का भुगतान संविदाकर्ता द्वारा किया जाएगा।

The Contractor shall be responsible for any monetary compensation that may need to be paid in case the incident involves the employee of the Contractor, for instance any relief to Bank's employee, if sexual violence by the employee of the Contractor is proved.

घ) कार्यस्थल पर यौन उत्पीड़न तथा संबंधित मामलों के संबंध में अपने कर्मचारियों को शिक्षित करने की जिम्मेदारी संविदाकर्ता की होगी।

The contractor shall be responsible for educating its employees about Prevention of Sexual Harassment at workplace and related issues.

ङ) संविदाकर्ता अपने उन कर्मचारियों की पूर्ण और अद्यतन सूची बैंक को उपलब्ध कराएगा जिन्हें बैंक परिसर में काम पर लगाया गया है।

The contractor shall provide a complete and updated list of employees who are deployed within the Bank's premises.

18. संविदाकार निम्न के संबंध में भारतीय रिजर्व बैंक के पक्ष में बीमा करवाएगा/संबन्धित दस्तावेज़ जमा करेगा और उसे लागू रखेगा:

i) कार्य के निष्पादन से व्यक्ति या संपत्ति को हुये नुकसान से / दौरान होने वाली तीसरी पार्टी के नुकसान / उत्पन्न कोई भी दावा;

ii) कार्य के निष्पादन के दौरान संविदाकार द्वारा नियोजित श्रमिकों को होने वाली हानि/क्षति से उत्पन्न होने वाला कोई भी दावा।

iii) लागू पीएफ/श्रम कानूनों, ईएसआई, विनियमों आदि के गैर-अनुपालन के कारण कोई भी दावा।

The Contractor shall indemnify and keep indemnified the RESERVE BANK OF INDIA against:

i) Any claim arising out of third party loss/ damage to life or property caused by/during execution of the work.

ii) Any claim arising out of loss/ damage to the workmen engaged by the contractor during execution of the work.

iii) Any claim due to non-compliance of applicable PF/ Labour laws, ESI, regulations etc.



19. संविदाकार को कार्य शुरू करने से पहले पहली पार्टी के रूप में भारतीय रिज़र्व बैंक के नाम पर सभी आवश्यक बीमा कवर अर्थात संविदाकार की सम्पूर्ण जोखिम पॉलिसी, श्रमिक क्षतिपूर्ति पॉलिसी, तृतीय पक्ष देयता आदि, जो भी लागू हो) लेना होगा।

The contractor shall take necessary insurance covers (i.e. Contractor All Risk Policy, Workmen Compensation Policy, Third Party Liability etc as applicable) with Reserve Bank of India as the first name, at their cost, before commencement of the work.

**20. अनुबंध की समाप्ति / Termination of Contract:**

यहां ऊपर दी गई बातों पर प्रतिकूल प्रभाव डाले बिना, बैंक अपने एकमात्र और पूर्ण विवेक पर, बिना कोई कारण बताए और बिना किसी मुआवजे के भुगतान के इस समझौते को तुरंत समाप्त करने का हकदार होगा, यदि बैंक की राय में (जिसे नहीं बुलाया जाएगा) ठेकेदार द्वारा प्रश्न और ठेकेदार पर बाध्यकारी होगा) :-

Without prejudice to what is contained hereinabove, the Bank shall at its sole and absolute discretion, be entitled to terminate this agreement forthwith without assigning any reason and without payment of any compensation, if in the opinion of the bank (which shall not be called into question by the contractor and shall be binding on the contractor):-

(i) संविदाकर्ता बैंक की संतुष्टि के अनुसार इस समझौते को लागू करने में विफल रहता है या मना कर देता है। यदि ठेकेदार निविदा शर्तों के अनुसार फ्लैट/फ्लैट में सेवा देने से बचता रहता है या काम नहीं करता है।

The contractor fails or refuses to implement this agreement to the Bank's satisfaction. If the contractor keeps on avoiding or non-performing the service in flats/flat as per the tender conditions.

and/or

ii. यदि संविदाकर्ता का व्यक्ति/कर्मचारी किसी कदाचार में पाया जाता है जैसे कि निवासी के हस्ताक्षर की जालसाजी, ड्यूटी के दौरान शराब पीना।

If contractor's person/workers found in any malpractice such as forgery of resident signature, drinking of alcohol while in duty.

and/or

iii संविदाकर्ता इस अनुबंध के किसी भी नियम और शर्तों का उल्लंघन करता है।

The contractor commits a breach of any terms and conditions of this agreement.

and/or

iv. संविदाकर्ता को दिवालिया घोषित कर दिया गया है या उसके द्वारा अपने लेनदारों के साथ समझौता किया गया है या यदि संकट या निष्पादन या अन्य प्रक्रिया पर लगाया गया है या ठेकेदार की संपत्ति या संपत्ति के किसी हिस्से का रिसीवर नियुक्त किया गया है।

The contractor is adjudged an insolvent or a compromise is entered by him with his creditors or if distress or execution or other process is levied upon or receiver is appointed of any part of the assets or property of contractor.

and/or

v. किसी भी कारण से, संविदाकर्ता इस समझौते के तहत अपने दायित्वों को पूरा करने के लिए कानूनन अयोग्य हो जाता है।

For any reason whatsoever, the contractor becomes disentitled in law to perform his obligations under this agreement.

and/or

vi. संविदाकर्ता या उसके व्यवसाय के स्वामित्व/साझेदारी या प्रबंधन में इस तरह के बदलाव के लिए बैंक की लिखित पूर्व अनुमति के बिना कोई भिन्नता है।

There is any variation in the ownership/partnership or management of the contractor or his business without the prior approval in writing of the Bank to such variation.

21. न्यूनतम वेतन अधिनियम, 1948, वेतन भुगतान अधिनियम, 1936, अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम, 1970 आदि:

**Minimum Wages Act, 1948, Payment of Wages Act, 1936, Contract Labour (Regulation and Abolition) Act, 1970 etc.:**

ठेकेदार को अपने कर्मियों को न्यूनतम वेतन अधिनियम के तहत निर्धारित प्रचलित दर पर न्यूनतम वेतन का भुगतान करना चाहिए। मुख्य श्रम आयुक्त (केंद्रीय) इस शर्त का किसी भी उल्लंघन पर अनुबंध समाप्त करने के लिए उत्तरदायी होंगे और तदनुसार कार्रवाई की जाएगी। इसके अलावा, मौजूदा नियमों के अनुसार ठेकेदार द्वारा हर महीने प्रति व्यक्ति ESI और PF का भुगतान किया जाना चाहिए और भुगतान किए गए नकद चालान की प्रतियां हर महीने बैंक में जमा की जानी चाहिए।

The Contractor should pay to their personnel a minimum wage at the prevailing rate as fixed under Minimum Wages Act by The Chief Labour Commissioner (Central). Any breach of this condition will be liable for termination of the contract and the same would be dealt with accordingly. Besides, ESI and PF per head at the current rate should be paid by the contractor every month as per the existing rules and copies of paid cash challans should be submitted every month to the Bank.

इन भुगतानों को करने के लिए लिखित रूप में आवश्यक रिकॉर्ड और कर्मचारियों की वेतन पर्चियां इसके सत्यापन के लिए मासिक अंतराल पर बैंक को प्रस्तुत की जाएंगी। ये रिकॉर्ड बैंक के अधिकारियों की उपस्थिति में ठेकेदार के कर्मचारियों द्वारा विधिवत हस्ताक्षरित/प्रमाणित किए जाएंगे।

Necessary records in writing for having made these payments and wage slips of employees will be submitted to the Bank at monthly intervals, for its verification. These records will be duly signed/attested by the employees of the contractor in the presence of Bank's Officials.

ठेकेदार कर्मियों को उनके लिए लागू अवकाश वेतन, बोनस, ग्रेच्युटी आदि सहित मासिक वेतन के भुगतान के लिए जिम्मेदार है।

The contractor is responsible for payment of monthly salary including leave salary, bonus, gratuity etc., to the personnel as applicable to them.

22. ठेकेदार को यह सुनिश्चित करना चाहिए कि वेतन के विलंबित भुगतान पर कर्मियों की ओर से किसी भी शिकायत की कोई गुंजाइश न हो। ठेकेदार द्वारा नियुक्त कर्मचारी केवल ठेकेदार के रोजगार में होंगे, भारतीय रिज़र्व बैंक के नहीं। ठेकेदार कर्मचारी भविष्य निधि और विविध प्रावधान अधिनियम, 1952 और कर्मचारी राज्य बीमा अधिनियम, 1948 के प्रावधानों के अनुसार भविष्य निधि और कर्मचारी राज्य बीमा निधि के संबंध में नियोक्ता के योगदान का भुगतान करेगा।

The contractor should ensure that there is no scope for any grievance from the personnel on delayed payment of wages. The employees engaged by the Contractor will be in the employment of the Contractor only and not of the Reserve Bank of India. The contractor shall pay the employer's contribution with regard to provident fund and employees' state insurance fund as per the provisions of the employees' Provident fund and miscellaneous provisions act, 1952 and employees' state insurance act, 1948.

23. किसी भी परिस्थिति में ठेकेदार और उसके कर्मचारियों/कर्मचारियों के बीच विवाद के कारण उत्पन्न होने वाले किसी भी जुर्माने या दावे के लिए ठेकेदार पूरी तरह से जिम्मेदार होगा। यदि ठेकेदार और उसके कर्मचारियों/कर्मचारियों के बीच विवाद के कारण कोई दावा या जुर्माना बैंक के लिए कानूनी रूप से बाध्यकारी है, तो उसे ठेकेदार से वसूला जाएगा।

The contractor will be solely responsible for any penalty or claim arising due to dispute between the contractor and its employee/es under any circumstance. If any claim or penalty is legally binding to the Bank due to the dispute between contractor & its employee/es, same shall be recovered from the contractor.

**नोट:** दोनों भाषाओं (हिन्दी / अंग्रेजी) में किए गए समझौते की व्याख्या में किसी भी तरह का विरोध होने की स्थिति में, अंग्रेजी में समझौते की व्याख्या मान्य होगी।

**Note:** In case of any conflict in interpreting the agreement made in both the languages (Hindi / English), the interpretation of agreement in English will prevail.

मैं / हमने उपर्युक्त सभी शर्तों को समझ लिया है और वे मुझे / हमें स्वीकार्य हैं।

I / We have understood all the above-mentioned conditions and they are acceptable to me/us.

<p>गवाहों की उपस्थिति में बैंक और संविदाकर्ता ने ऊपर लिखित तारीख और वर्ष को इन कागजात पर और इसकी दो प्रतिलिपियों पर अपने-अपने हस्ताक्षर किए हैं।</p> <p>IN WITNESS WHEREOF the Employer and the Contractor have set their respective hands to these presents the day and year first hereinabove written.</p>	<p>यदि संविदाकर्ता कोई साझेदारी फर्म अथवा कोई व्यक्ति हो</p> <p>If the contractor is a partnership or an individual.</p>
<p>गवाहों की उपस्थिति में बैंक ने अपने विधिवत प्राधिकृत अधिकारी के माध्यम से इन कागजात पर अपने हस्ताक्षर किए हैं और संविदाकर्ता ने ऊपर लिखित तारीख और वर्ष को अपनी ओर से इस पर और इसकी दो प्रतिलिपियों पर अपनी मुहर लगवा दी है।</p> <p>IN WITNESS WHEREOF the Employer has set its hands to these presents through its duly authorized official and the Contractor has caused its common seal to be affixed hereunto and has caused these presents to be executed on its behalf, the day and year first hereinabove written.</p>	<p>यदि संविदाकर्ता कोई कंपनी हो</p> <p>If the contractor is a company.</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

गवाह Witness

<p>SIGNED AND DELIVERED by</p> <p>In the presence of</p> <p>(1)</p> <p>Address</p>	<p>यदि पक्षकार कोई साझेदारी फर्म अथवा कोई व्यक्ति हो, तो सभी साझीदारों अथवा सभी साझीदारों की ओर हस्ताक्षर करने चाहिए।</p> <p>If the party is partnership firm or an individual should be signed by all or on behalf of all</p>
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<p>(2)</p> <p>Address</p> <p>Witness</p> <p>THE COMMON SEAL OF</p> <p>Was hereunto affixed pursuant to the resolutions passed by its Board of Directors at the meeting held on _____ in the presence of</p> <p>(1)</p> <p>(2)</p> <p>Directors who have signed these presents in token thereof in the presence of</p> <p>(1)</p> <p>(2)</p> <p>SIGNED AND DELIVERED BY the Contractor by the hand _____ of Shri _____ and duly constituted attorney.</p>	<p>the partners.</p> <p>यदि बोलीकर्ता मुहर लगाकर हस्ताक्षर करता है तो उपस्थितों का हस्ताक्षर खंड संस्था के अंतर्नियम में दिए मुहर लगाने के खंड से मेल खाना चाहिए।</p> <p>If the Contractor signs under its common seal, the signature clause should tally with the sealing clause in the Articles of Association.</p> <p>यदि संविदा पर हस्ताक्षर मुख्तारनामा-धारक के द्वारा किया जाता है, चाहे कोई कंपनी हो या कोई व्यक्ति।</p> <p>If the Contractor is signing by hand of power of Attorney, whether a company or individual.</p>
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#### **Section IV- General Instructions to Contractors and General Terms & Conditions**

Reserve Bank of India, Estate Department, Chandigarh invites e-tenders on [www.mstcecommerce.com/eprocn](http://www.mstcecommerce.com/eprocn) in two parts.

##### **1. E-tender Document:**

i. Tender shall consist of documents (Part I & Part II). Part I contains techno-commercial conditions (all sections and annexures) along with any schedules, addendum or corrigendum etc. issued by Reserve Bank of India for the purpose. Part II contains only financial bid. E-Tender Document / Notice Inviting Tender may be downloaded from Bank's website [www.rbi.org.in](http://www.rbi.org.in) and [www.mstcecommerce.com/eprocn](http://www.mstcecommerce.com/eprocn).

ii. Tenderers are advised to study the e-tender documents thoroughly.

iii. Submission of e-tender shall be deemed to have been done after careful study and examination of the e-tender documents with full understanding of its implications.

##### **2. Obtaining of tender documents:**

i. The E-Tender Document / Notice Inviting Tender may be downloaded from the Bank's website [www.rbi.org.in](http://www.rbi.org.in) and [www.mstcecommerce.com/eprocn](http://www.mstcecommerce.com/eprocn).

ii. Interested parties, if they so desire, may contact the Estate Department Officials on the phone / e-mail for further any clarification.

##### **3. Pre-bid Meeting**

Reserve Bank of India shall conduct pre-bid meeting(s) at the time and venue mentioned in Notice Inviting Bid, to answer any queries / provide clarifications that the tenderers may have in connection with the work and to give them relevant information regarding the same.

##### **4. Amendment to e-tender Document**

i. At any time prior to the deadline for the submission of Bids, Reserve Bank of India may, for any reason, whether at its own initiative or in response to a clarification or query raised by a prospective tenderer, modify the e-tender by an amendment and same will be uploaded in the form of corrigendum on Bank's website [www.rbi.org.in](http://www.rbi.org.in) and [www.mstcecommerce.com/eprocn](http://www.mstcecommerce.com/eprocn) for information of prospective bidders.

ii. In order to afford prospective tenderers reasonable time for preparing their Bids after taking into account such amendments, the Reserve Bank of India may, at its discretion, extend the deadline for the submission of Bids.

##### **5. Preparation of tender**

###### **a) Part I / Techno – Commercial bid:**

i. All Sections and Annexures are the part of Technical-Commercial bid. All the sections and annexures must be signed by the tenderers.

ii. Tenderer must fill all the details specified in different section and attached the leaflet / necessary documents/brochure of product etc.

iii. EMD shall be part of Technical – Commercial bid. The amount of EMD is indicated in Notice Inviting Tender.

iv. Tenderers must submit all documents for prequalification criteria and other documents as stated in the tender by uploading scanned copy of all documents on [www.mstcecommerce.com/eprocn](http://www.mstcecommerce.com/eprocn).

## **b) Part II / Financial Bid:**

(i) **Currency of Bid:** Bid prices shall be quoted in Indian Rupees only. These prices should include all costs associated with the work including any out of pocket / mobilization expenses, tools, uniforms of worker, all other logistic as mentioned in the tender, all taxes **(Inclusive of GST)**, charges, levies, cess, insurance, transportation, entry taxes, labour, other Govt Taxes, Minimum wages of Central Government and EPF / ESI contribution, etc. as applicable as per rules.

(ii) The price should be quoted only on the MSTC portal.

(iii) After opening of the Part II / Financial Bid, no clarifications whatsoever shall be entertained by the RBI.

(iv) No advice of any change in rate or of conditions after the opening of Part-I of the e-tender will be entertained.

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

(vi) It will be imperative on each tenderer to fully acquaint himself with all the local conditions and factors, which would have any effect on the performance of the contract and cost of the items. No request for the change of price or time schedule of delivery of items shall be entertained, on account of any local condition or factor once the offer is accepted by the tenderers.

## **6. Period of Validity of Bids**

Bids shall remain valid for acceptance by RBI for the period indicated in the Notice Inviting Tender. This period will be further mutually extended, if required.

7. The Reserve Bank of India does not bind itself to accept the lowest or any tender and reserves to itself to accept or reject any or all the tenders, either in whole or in part, without assigning any reason for doing so.

8. Each tenderer shall pay Earnest Money Deposit a sum of **₹1,97,880/- (Rupees One lakh Ninety Seven Thousand Eight Hundred Eighty Only)** through NEFT/DD to **A/c No. 186003001, IFSC RBIS0CGPA01** of Reserve Bank of India Chandigarh. If EMD is not paid till the last date and time of submission mentioned in Notice Inviting Tender, the tender shall be treated as non-bonafide and will be rejected without further advice to the tenderer.

9. Under no circumstances Earnest Money Deposit will be accepted in the form of cash or fixed deposit receipt of Bank or Insurance Guarantee or cheque, etc.

10. The Earnest Money Deposit shall be paid by the tenderer to the Reserve Bank of India, Chandigarh as security for due fulfilment of the contract. No interest shall be paid on the said deposit. The Bank reserves the right to forfeit the EMD if the successful bidder fails to execute the contract. **The EMD shall be forfeited in the following circumstances, if the bidder:**

(i) made misleading or false representations in the forms, statements and attachments submitted, suppressed any material information, details of any legal proceedings pending in the court which might otherwise have created any impact on the eligibility criteria; or

(ii) withdraws his bid during the period of bid validity, or

(iii) has been blacklisted by any government agency, PSU and the blacklisting is still in force.

(iv) in case of the successful tenderer, fails to execute the contract, submit Performance Bank Guarantee and insurance policies within 14 days from the award of work.

11. On receipt of intimation from the Employer of the acceptance of his / their tender, the successful tenderer shall be bound to implement the contract and within 14 days thereof deposit **Performance Bank Guarantee (@ 5% of the contract value)** in prescribed format **(see Annexure XII)/ or amount equivalent to PBG through online mode (NEFT), or alternative mechanism like withholding of an amount equivalent to PBG amount from vendor's bill, with explicit written consent of vendor, till submission of PBG / completion of contractual obligations may also be considered, including charges / interest amount as detailed below in sub-para (a). This PBG will be held for the entire period of currency of contract till DLP (Defect Liability Period) for the due fulfilment of the contractual obligations by the contractor.** The amount received through online mode / withheld from vendor's, with explicit written consent of the vendor in lieu of PBG shall be parked in Security Deposit Account. The contractor shall sign an agreement in accordance with the draft agreement and the Schedule of Conditions but the written acceptance by the Reserve Bank of India of tender will constitute a binding contract between the Reserve Bank of India and the person so tendering, whether such formal agreement is or is not subsequently executed.

**(a)** In case of delays in submission of unavoidable circumstances, charge for delay in submission of Performance Bank Guarantee shall be recovered from the bills of the contractor at Bank rate.

12. (a) In addition to the Performance Bank Guarantee under para 11 above, as further security for the due fulfillment of the contract by the Contractor, **5% of the value of the work done will be deducted by the RBI from each payment to be made to the Contractor towards Retention Money.** This total amount (Performance Bank Guarantee + Retention Money) will be termed as Security Deposit. Earnest Money Deposit (EMD) will be released after award of work and on submission of Performance Bank Guarantee (PBG). **RBI will release security deposit i.e. Performance Bank Guarantee and Retention Money (PBG +RM) after expiry of one year of the Defects Liability Period. The amounts retained by the RBI shall not bear any interest.**

(b) All compensation or other sums of money payable by the contractor to the Bank under the terms of this Contract may be deducted from his earnest money or the security deposit or the amount payable to him.

**13. Non-Disclosure clause:** The Bidder 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 Bidder 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 Bidder 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 Bidder 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 Bank. The Bidder shall indemnify the Bank for any loss suffered by the Bank 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 Bidder and the Bank shall be entitled to claim damages and pursue legal remedies. The Bidder 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 Bidder's obligations with respect to non-disclosure and confidentiality will survive the expiry or termination of this agreement for whatever reason.

14. The Bidder / Agency shall comply with the provisions of “the Sexual Harassment of women at workplace (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 Bidder / Agency and the Bidder/Agency shall ensure appropriate action under the said Act in respect to the complaint. The bidder shall be responsible for educating its employees about prevention of sexual Harassment at workplace and related issues.

(i) Any complaint of sexual harassment from any aggrieved employee of the bidder against any employee of the Bank shall be taken cognizance of by the Regional Complaints Committee constituted by the Bank.

#### **15. Termination of Contract by the Bank-**

If the Contractor being an individual or a firm commits any “act of insolvency”, or shall be adjudged an insolvent or being an Incorporated Company shall have an order for compulsory winding up made against it or pass an effective resolution for winding up voluntarily or subject to the supervision of the Court and the Official Assignee of the Liquidator, in such acts of insolvency or winding up, as the case may be, shall be unable, within seven days after notice to him requiring him to do so, to show the reasonable satisfaction of the Bank that he is able to carry out and fulfil the Contract and to give security therefor, if so required by the Bank.

Or if the Contractor (whether an individual, firm or Incorporated Company) shall suffer execution or other process of Court attaching property to be issued against the Contractor,

Or shall suffer any payment under this Contract to be attached by or on behalf of any of the creditors of the Contractor,

Or shall assign or sublet this Contract without the consent in writing of the Bank first had obtained,

Or shall charge or encumber this Contract or any payments due or which may become due to the Contractor hereunder,

Or if the Bank determine that the Contractor

(i) has abandoned the Contract, or

(ii) has failed to commence the works, or has without any lawful excuse under those Conditions suspended the progress of the works for 14 days after receiving from the Bank notice to proceed, or

(iii) has failed to proceed with the works with such due diligence and failed to make such due progress as would enable the works to be completed within the time agreed upon, or

(iv) has failed to remove materials from the site or to pull down, and replace work for seven days after receiving written notice that the said materials or work were condemned and rejected by the Bank under these Conditions or

(v) has neglected or failed persistently to observe and perform all or any of the acts, matters or things by this Contract to be observed and performed by the Contractor for seven days after written notice shall have been given to the Contractor requiring the Contractor to observe or perform the same.

Then and in any of the said cases, the Bank may notwithstanding any previous waiver, after giving seven days' notice in writing to the Contractor, determine the Contract and liabilities of the Contractor, the whole of which shall continue in force fully as if the Contract had not been so determined, and as if the works subsequently executed had been executed by or on behalf of the Contractor and further, the Bank by his agents or servants may enter upon and take possession of the works and all plant, tools, scaffoldings, machinery and materials lying upon the premises or the adjoining lands or roads, and use the same as his own property or may employ the same by means of his servants and workmen in carrying on and completing the works or by employing any other Contractor or other person or persons to complete the works, and the Contractor or other person or persons employed for completing and finishing or using the materials and plant for the works. when the works shall be completed or as soon thereafter as convenient, the Bank shall give a notice in writing to the Contractor to remove his surplus materials and plant, and should the Contractor fail to do so within a period of twenty days after receipt thereof by him, the Bank may sell the same by public auction, and give credit to the Contractor for the net amount realized. The Bank shall thereafter ascertain in writing under his hand what (if anything) shall be due or payable to, or by the Bank, for the value of the said plant and materials so taken possession of by the Bank and the expense or loss which the Bank shall have been put to in procuring the works to be completed, and the amount, if any, owing to the Contractor and the amount which shall thereupon be paid by the Bank to the Contractor or by the Contractor to the Bank, as the case may be, and the decision of the Bank shall be final and conclusive between the parties.

#### **16. Termination of Contract by Contractor**

If payment of the amount payable by the Bank shall be in arrears and unpaid for thirty days after notice in writing requiring payment of the amount as aforesaid shall have been given by the Contractor to the Bank or if the Bank shall repudiate the Contract, or if the works be stopped for three months under the order of the Bank or by any injunction or other order of any Court of Law, then and in any of the said cases, the Contractor shall be at liberty to determine the Contract by notice in writing to the Bank and he shall be entitled to recover from the Bank, payment for all works executed and for any loss he may sustain upon any plant or materials supplied or purchased or prepared for the purpose of the Contract. In arriving at the amount of such payment, the net rates contained in the Contractor's original tender shall be followed, or where the same may not apply, valuation shall be made in accordance with Clause "

#### **17. Liquidated Damages**

The work shall, throughout the stipulated period of the contract, be preceded with all the diligence and if the contractor fails to complete the work within the specified period, he shall be liable to pay liquidated damages. The recovery of Liquidated Damages shall be **0.25% of the gross amount payable per week** (or part thereof) and subject to a **maximum 10% of the gross amount payable** and the Employer may deduct such damages from any money due to the Contractor.

18. The contractor shall submit a Bar Chart for completion of the work within the contractual completion period from the tenth day of letter of intent. Such chart shall include all activities like the date of supply of material at site, item wise completion of work etc., and obtain the approval of the Bank.

19. Bank will provide storage space within the compound of the building. However, the responsibility and safety of the materials stored will be with the contractor. No accommodation will be provided for any worker by the Bank.

20. **Insurance:** The contractor shall take all insurances at his cost to cover all kinds of risks from the time the equipment / materials leave the manufacturer's works till handing over work to the Bank, in the joint names of the Bank (first party) and the contractor and it shall cover the following risks:

- workman compensation for working men
- Third party liability (minimum @10% of estimated cost of work per accident maximum for 3 period)
- Contractor's all risk policies for contract value

**Note:**

These policies shall be valid till the completion of the work and shall be submitted prior to obtaining any permission to work at site. If the contractor does not provide these policies, the Bank reserves the right to stop the work till the submission of the insurance policies and the delay caused due to non-submission of insurance policies will be on account of contractor and Bank reserve the right to levy the liquidated damages for delay.

The vendor(s) need to extend the period of validity of all type of insurance up to extended time in case any extension of time for completion of work is granted by the Bank. **Bank will not pay or bear any charges for extending the validity of all type of insurance for such extended period.**

**21. Payment Condition:**

- Minimum value of interim bill is ₹35.00 lakh.
- Final bill can be raised after completion of work in all respect and successful ponding test as recommended by manufacturer or as instructed by Bank's Engineer.
- Bill (RA or Final) will be processed only after submission of signed copy of spiral binded computerised measurement sheet, abstract of cost, tax invoice and all other related / necessary documents.
- After completion of work, vendor has to intimate the Bank in writing within 15 days and get the work certified by the engineer in charge.
- Bill will be paid within 30 days for RA bill and 45 days for final bill from the date of submission of all the required documents to the Bank.

- All bills are liable to deduct TDS as applicable.
- The Employer shall have the right to withhold/deduct any payment, if the works or any parts thereof are not being carried out to his satisfaction.

22. At any time after acceptance of the tender, the Bank shall, for any reasons whatsoever, not require the whole or any part of the works to be carried out, the Bank shall give notice in writing to the Contractor who shall have no claim to any payment of compensation or otherwise whatsoever on account of any profit or advantage which he might have derived from the execution of the whole works.

23. **Extra Item:** If the quantity of any of the tender items increases 25% beyond the tender item quantity, such items shall be treated as Extra items and the rates of these shall be prepared based on market rate analysis. The labour/sundries coefficient shall be based on latest Delhi analysis of rates (DAR),. Proof for basic rates of materials and minimum wages for Central establishment for Chandigarh city shall be considered for arriving rates.

**24. Prices for extra etc., ascertainment of**

The Contractor may, when authorized by Bank, add to, omit from, or vary the works shown upon the drawings, or described in the Specification, or included in the Schedule of Quantities, but the Contractor shall make no addition, omission or variation without such authorization or direction. A verbal authority or direction by the Bank shall, if confirmed by him in writing within seven days, be deemed to have been given in writing.

No claim for any extra shall be allowed unless it shall have been executed with the concurrence of the Bank as herein mentioned. Any such extra is herein referred to as authorized extra and shall be made in accordance with the following provisions.

(a) (i) The net rates or prices in the original tender shall determine the valuation of the extra work where such extra work is of similar character and executed under similar conditions as the work priced therein.

(ii) Rates for all items, wherever possible, should be derived out of the rates given in the Priced Schedule of Quantities.

(b) The net prices of the original tender shall determine the value of the items omitted, provided if omissions vary the conditions under which any remaining items of works are carried out, the prices for the same shall be valued under sub-clause (c) hereof.

(c) Where the extra works are not of similar character and/or executed under similar conditions as aforesaid or where the omissions vary the conditions under which any remaining items of works are carried out or if the amount of any omission or additions relative to the amount of the whole of the Contract works or to any part thereof shall be such that in the opinion of the Bank the net rate or price contained in the Priced Schedule of Quantities or tender or for any item of the works involves loss or expense beyond that reasonably contemplated by the Contractor or is by reason of such omission or addition rendered unreasonable or inapplicable, the Bank shall fix such other rate or price as in the circumstances he shall think reasonable and proper based on the rate analysis (with supporting documents ) submitted by the contractor taking establishment costs, overheads and profit @15%.

(d) Where extra work cannot be properly measured or valued, the Contractor shall be allowed day work that in which the work has been executed. Prices at the net rates in accordance with the local day work rates and wages for the district, provided that in either

case vouchers specifying the daily time and materials employed, be delivered for verification to the Bank at or before the end of the week following.

## **25. Removal of improper works:**

The Bank shall, during the progress of the works, have power to order in writing from time to time the removal from the works within such reasonable time or times, as may be specified in the order, of any materials which in the opinion of the Bank are not in accordance with the Specifications or the instructions of the Bank, the substitution of proper materials, and the removal and proper re-execution of any work executed with materials or workmanship not in accordance with the Drawings and Specifications or instruction, and the Contractor shall forthwith carry out such order at his own cost. In case of default on the part of the Contractor to carry out such order, the Bank shall have the power to employ and pay the other persons to carry out the same, and all expenses consequent thereon, or incidental thereto shall be borne by the Contractor, or may be deducted by the Bank from any moneys due, or that may become due, to the Contractor.

## **26. Settlement of Dispute by Arbitration**

All disputes and differences of any kind whatever arising out of or in connection with Contract or the carrying out of the works (whether during the progress of the works or after their completion and whether before or after the determination, abandonment or breach of the Contract) shall be referred to and settled by the Bank's Engineer, who shall state his decision in writing. Such decision may be in the form of a final certificate or otherwise. The decision of the Bank's Engineer with respect to any of the excepted matters shall be final and without appeal as stated in Clause 36 hereof, but if either the Employer or the Contractor be dissatisfied with the decision of the Bank's Engineer on a matter, question or dispute of any kind (except any of the excepted matters) or as to the withholding by the Bank's Engineer of any Certificate to which the Contractor may claim to be entitled, then and in any such case, either party (the Employer or the Contractor) may within 28 days after receiving notice of such decision given a written notice to the other party through the Bank's Engineer requiring that matters in dispute be arbitrated upon. Such written notice shall specify the matters which are in dispute or difference of which such written notice has been given and no other shall be and is hereby referred to the arbitration and final decision of an arbitrator to be agreed upon as appointed by both the parties or, in case of disagreement as to the appointment of a single arbitrator, to the appointment of two arbitrators, one to be appointed by each party, which arbitrators shall, before taking upon themselves the burden or reference, appoint an Umpire.

The Arbitrator or Arbitrators, as the case may be, shall have power to open up, review and revise any certificate, opinion, decision, requisition of notice, save in regard to the excepted matters referred to in the preceding Clause, and to determine all matters in dispute, which shall be submitted to arbitration and of which notice shall have been given as aforesaid.

The Arbitrator or Arbitrators, as the case be, shall make his or their award within one year (or such further extended time as may be decided by him or them, as the case may be, with the consent of the parties from the date of the Arbitrator entering on the reference. In case during the arbitration proceedings, the parties mutually settle, compromise or compound their dispute or difference, the Arbitrator or Arbitrators, as the case may be shall be deemed to have been revoked and the arbitration proceedings shall stand withdrawn or terminated, with effect from the date on which the parties file a joint memorandum of settlement thereof, with the Arbitrator or Arbitrators as the case may be.

Upon every or any such reference, the cost of and incidental to the reference and award respectively shall be in the discretion of the Arbitrator or Arbitrators, as the case may be, who may determine, the amount thereof, or direct the same to be taxed as between attorney and client or as between party and party and shall direct by whom and to whom and in what manner the same shall be borne and paid. This submission shall be deemed to be a submission to Arbitration within the meaning of the Indian Arbitration And Conciliation Act, 1996 or any statutory modification thereof. The Award of the Arbitrator or Arbitrators, as the case may be shall be final and binding on the parties. It is agreed that the Contractor shall not delay the carrying out of the works by reason of any such matter, question or dispute being referred to arbitration but shall proceed with the work with all due diligence and shall, until the decision of the Arbitrator or Arbitrators, as the case may be, given abide by the decision of the Bank's Engineer and no Award of the Arbitrator or Arbitrators, as the case may be, shall relieve the Contractor of his obligations to adhere strictly to the Bank's Engineer's instructions with regard to the actual carrying out of the works. The Employers and the Contractor hereby also agree that arbitration under this Clause shall be a condition precedent to any right to action under the Contract.

## **27. Procedure for Submission of Bids**

It is proposed to have a **Two-Cover / Part System** for this tender

### **a) Techno – Commercial Bid / Part I consist of following items**

- i. Part- I / Techno – Commercial Bid (all sections and annexes). Please note that prices should not be indicated in Part- I / Techno – Commercial Bid. Techno-Commercial bid may be submitted on [www.mstcecommerce.com/eproc](http://www.mstcecommerce.com/eproc).
- ii. Documentary proof of pre-qualification must be uploaded online on [www.mstcecommerce.com/eproc](http://www.mstcecommerce.com/eproc), if any.
- iii. The payment details of EMD shall be attached.

### **b) Part II / Financial Bid**

- i. Part II / Financial Bid may be submitted only on [www.mstcecommerce.com/eproc](http://www.mstcecommerce.com/eproc)
- ii. No conditional / optional quote shall be accepted.
- iii. Tenderers shall not be permitted to alter or modify their bids after receipt of their bids.
- iv. Those who have downloaded the tender are required to submit the eligibility criteria, if any.

## **28. Receipt of E-tenders**

The e-tender bids will be accepted till the schedule time and date as referred to in the Notice Inviting Tender. **The e-tenders received thereafter shall not be entertained in any circumstances.**

## **29. Opening of Part I**

The Technical – Commercial bids will be opened on the scheduled time and date as referred to in the Notice Inviting Tender at Estate Department, RBI Chandigarh. The tenderers or their authorized representatives may be present, if they so desire.

## **30. Scrutiny of Part I**

- i. The Part I shall be evaluated as per the procedure indicated in special condition of

contract.

ii. After evaluation of the Part I, the short-listed tenderers will be intimated by emails to all the e-tenderers. The decision of the Bank on Part- I shall be final and shall not be open for discussion.

### **31. Opening of Part II / Financial Bid**

The Part- II of the short-listed tenderers will be opened later and such short-listed tenderers will be intimated about the date and time accordingly. The short-listed tenderers or their authorized representatives may present, if they so desire.

### **32. Scrutiny of Part II**

The Part II shall be evaluated as per the procedure indicated in special condition of contract. Accordingly, Lowest tenderer (L1) shall be declared.

33. Bank has right to vary quantities at the time of placing Order / signing of Contract.

34. Bank's right to accept any Bid and to reject any or all Bids

a) Notwithstanding anything mentioned above, RBI reserves the right to accept or reject any Bid at any time prior to award of Contract without thereby incurring any liability to the affected tenderer or tenderers. The Bank shall not assign any reason for rejection of any or all Bids.

b) RBI reserves the right to cancel / annul the selection process, at any stage prior to the award of the Contract on account of the following:

i. In case no Bid is received.

ii. Occurrence of any event due to which it is not possible to proceed with the selection process.

iii. Evidence of a possible collaboration / mischief on part of tenderers, manipulating the competition and transparency of the selection process, any other reason, which in the opinion of the Bank necessitates the cancellation of the selection process.

iv. On occurrence of any such event, RBI shall notify all the tenderers within 7 days or any reasonable time of such decision. RBI shall also promptly return the bid security submitted by the tenderers within 15 days or any reasonable time of issue of such notice. RBI is not obligated to provide any reason or clarification to any tenderer on this account. Liability of the RBI under this clause is restricted to returning the bid security and no other reimbursements of costs / expenses of any type shall be made by the Bank on this account.

v. The Bank further reserves the right to re-tender the process or get the work done by a Government agency or Quasi Government agency, if the Bank is of the opinion that the bids received are not economically or otherwise feasible or not acceptable due to reasons in sub clauses (i) to (iv) above.

vi. The Bank discourages the stipulation of any additional conditions by the tenderer.

**35. The Contractor shall not assign the Contract or any part thereof.** He shall not sublet any portion of the Contract except with the written consent of the Bank. In case of breach of these conditions, the bank may serve a notice in writing on the contractor rescinding the Contract whereupon the security deposit shall stand forfeited to the Bank, without prejudice to his other remedies against the contractor.

36. The Contractor shall carry out all the work strictly in accordance with schedule of quantities, details and instructions given by Bank's Engineer. If in the opinion of the Bank's Engineer, changes have to be made in the design and with the prior approval in writing of the Employer, they desire the Contractor to carry out the same. The contractor shall carry out the same without any extra charge. The Bank's decision in such cases shall be final and shall not be open to arbitration.

37. 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 at 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 totalled in order to show the aggregate value of the entire tender.

38. The tenderer must obtain for himself, on his own responsibility and at his own expenses, all the information which may be necessary for the purpose for making a tender and for entering into a contract and must examine the specifications and must inspect the site of the work and acquaint himself with all local conditions, means of access to work, nature of work and all matters appertaining thereto.

39. (a) The rates quoted in the tender shall include all charges for double scaffolding, centering, hire charges for any tool and plants, shade for materials, marking out and clearing of site, watering, as mentioned in the specifications. The rates quoted shall be deemed to be for the finished work to be measured at site. The rates shall also be firm and shall not be subject to exchange variations, labour conditions, fluctuations in railway freights or any conditions whatsoever. Tenderers must include in their rates GST, sales tax, excise duty, VAT, octroi, sales tax on works contract and any other tax and duty or other levy levied by the Central Government or any State Government or Local Authority, if applicable. No claim in respect of GST, sales tax, excise duty, octroi or other tax, duty or levy whether existing or future, shall be entertained by the Employer.

(b) The work shall be carried out in such a manner that there shall be minimum disruption to Bank premises and its working / residents of colonies. A programme shall be drawn in consultation with the Bank's Engineer for this purpose.

40. The Contractor should note that unless otherwise stated the e-tender is strictly on item rate basis and his attention is drawn to the fact that rates for each and every item should be correct, workable and self-supporting. The quantities in the Schedule of Quantities approximately indicate the total extent of work but may vary to any extent and may even be omitted thus altering the aggregate value of the contract. No claim shall be entertained on this account. The contractor shall bring to the notice of the Employer in case of any extra items not mentioned in the schedule of quantities during the course of the work and shall only carry out the same on written approval from the Bank's Engineer.

41. During the evaluation of the e-tender, the Bank may impress upon the lowest bidder to submit Bank Guarantee issued by scheduled commercial bank for difference in amount between the Bank's estimate and the amount quoted by them for item(s), i.e., for the abnormally low / unworkable rates(s). The submission of the Bank guarantee becomes the pre-condition for the award of work. In case of non-submission of the bank guarantee, the Bank reserves the right to accept / reject the e-tender.

42. Time allowed for carrying out the work as mentioned in the Memorandum shall be strictly observed by the Contractor and it shall be reckoned from the 14<sup>th</sup> day after written order to commence the work is issued. The work shall throughout the stipulated period



of the contract, be proceeded with all due diligence. If the contractor fails to complete the work within the specified period, he shall be liable to pay Liquidated damages as defined in Clause 17 (Section IV) of the conditions of contract. The tenderer shall, before commencement of the work, prepare a detailed work programme which shall be approved by the Employer.

43. The Contractor shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing the work, whatever the cause of delays may be, including delays arising out of modifications to the work entrusted to him or in any sub-contract connected therewith or delays in awarding contracts for other trader of the project or in commencement or completion of such works or in procuring Government controlled or other building materials or in obtaining water and power connections for construction purpose or for any other reason whatsoever and the employer shall not be liable for any claim in respect thereof. The Employer does not accept liability for any sum besides the e-tender amount, subject to such variations as are provided for herein.

44. The successful tenderer is bound to carry out all items of work necessary for the completion of the job even though these items are not included in the quantities and rates. The Employer will issue schedule of instructions in respect of such additional items and their quantities in writing.

45. The successful tenderer must cooperate with the other contractors appointed by the Employer so that the work shall proceed smoothly with the least possible delay and to the satisfaction of the Employer.

46. The Contractor must bear in mind that all the work shall be carried out strictly in accordance with the specifications and also in compliance of the requirement of the legal public authorities and no deviation on any account will be permitted.

47. The successful tenderer should make with his own arrangements to obtain all materials required for the work.

48. The Contractor shall strictly comply with the provision of safety code annexed hereto. The security deposit of the successful tenderer will be forfeited if he fails to comply with any of the conditions of the contract.

49. Income Tax, service tax, Trade taxes, GST or other tax shall be deducted as applicable.

50. The contractor shall abide by and fulfil all requirements laid down under the Contract Labour (Regulation and Abolition) Act, 1970 and the rules framed there under and all other relevant statutory acts (such as Minimum Wages Act, etc.). The contractor shall maintain all registers / documents as required by the Regional Labour Commissioner at site and should furnish the same to the Bank or its representative as and when required.

**51. The quoted rate shall include the amount payable towards ESI, EPF, Bonus or any other compensation etc. payable under various labour laws.** It is obligatory for the agency or contractor to obtain various registrations / code number for meeting out various requirements and furnish the same to the Bank before execution of the agreements. This has to be strictly carried out by agency or contractor. The agency or contractor shall ensure payments of Employees' State Insurance (ESI) & Employees' Provident Fund (EPF) as applicable in respect of workmen / contract labours employed by him/her/ them and submit documentary evidence (i.e. payment receipt obtained from Employees' Provident Fund Organisation (EPFO) and Employees' State Insurance Corporation (ESIC) portal while making payment) in respect of the same to the Bank, failing which

the Bank shall deposit the same directly and adjust/deduct the amount from the dues payable to the agency or contractor along with levying penalty as per the terms and conditions of the contract. No extra payment over & above quoted rates shall be made to the agency or contractor on this account. The agency or contractor shall be responsible to comply with all statutory provisions including for the purpose of ESI and EPF and shall indemnify the Bank and shall keep indemnified for any contravention and non-compliance of labour laws including that of EPF and ESI."

## 52. Special Conditions:

- The tenderer is advised to inspect the proposed site of work to understand the scope of work. The rates shall be quoted considering the site conditions / undulations of the surfaces and other factors. Any claim regarding the variation of the quantity of item / sub item of the work due to non-consideration of the above factors will not be entertained and will be rejected.
- Area under consideration for work will be handed over to the successful bidder only for said work. **Contractor should get the approval of the colour/shade/pattern/make of material before start of work.**
- All the material should strictly be of approved make and as per the technical specifications.
- Cleaning/housekeeping of site (specially staircase lobby) on daily basis is mandatory. **Deduction of ₹500/- per day (Inclusive of GST) will be made from RA and Final bill, if cleaning/housekeeping of site is not done on daily basis at the end of working time.**
- Vendors need to submit/execute sample of work for each item of work for approval regarding the basic price, specifications, shade/color of each of the item before procurement and execution of work.
- **It is the responsibility of the contractor to protect the work from unfavourable weather conditions such as rain, storm, dusty winds, sandstorm etc. Contractors need to redo the work if it gets disturbed by any of the factor mentioned.**

I / We hereby declare that I/we have read and understood the above instructions for the guidance of tenderers.

Signature of tenderer with seal \_\_\_\_\_

Address \_\_\_\_\_

Place:

Date:

## **Section V- General Rules and Instructions to the Bidders**

1. The Bidder who fulfil the following minimum **pre-qualification criteria** shall be eligible to participate in tendering process.

### **PRE-QUALIFICATION CRITERIA**

A	Composition of the firm / organization	<p>Details of Registration of the firm / organization - whether Sole Proprietorship / Partnership firm / Private Limited / Limited or Co- Operative Body, etc. - Name of Registering Authority, Date, and Registration number, etc.</p> <p>The Bidder should have valid Goods and Service Tax registration</p>	<p>Bidder should fill up information in <b>Annexure I- Format 1 and Annexure II- Format 1A</b> annexed hereto and submit along with the following supporting documents.</p> <p>(i) Copy of registration certificate.</p> <p>(ii) Copy of the Articles of Association / Power of Attorney / other relevant document</p> <p>(iii) Copy of Goods and Service Tax registration certificate</p> <p>(iv) Details of registration of labour along with EPF and ESI documents if any.</p>
B	Duration of past Experience	<p>The bidder should have <b>minimum 5 years of experience</b> of executing similar work/s*. Bidder shall submit the documentary evidence in support of minimum experience of 5 years (i.e., the bidder should have undertaken similar work/s* prior to (including) <b>January 31, 2020</b>)</p>	<p>i) Bidder should fill up the information in <b>Annexure III- Format 2</b> annexed hereto indicating client-wise names of similar work(s), awarded and actual cost(s), completion date stipulated in contract and actual dated of completion date, etc. and should submit along with the documentary evidence as proof of minimum 5 years of experience of completed similar work/s* viz. copies of detailed <b>work order/s</b> for qualifying works indicating date of award, contract amount, time given for completing the work, etc. and the corresponding <b>completion certificate(s)</b> indicating actual date of completion and actual value of executed similar work/s issued by the client(s) for works executed for government / public sector companies and copies of work order, work completion certificate along with <b>Tax Deducted at source (TDS) certificate(s)</b> issued by the cli-</p>

			<p>ent(s) for works executed for private companies.</p> <p>ii) Bidder should also fill up the information about similar work/s* <b>on-hand</b> in the <b>Annexure IV- Format 2A</b> annexed hereto and should submit along with supporting documents. Viz. Copies of work order/s with details of items of work, issued by the client(s) for the work/s in progress.</p> <p>(iii) The details along with documentary evidence of previous experience, if any, of carrying out works for the Reserve Bank of India at any center, should also be given.</p>
C	Minimum value of each completed similar work/s (qualifying) during specified period	<p>The bidder should have experience of successfully completed similar work/s* during last 5 years ending on <b>January 31, 2025</b> should be either of the following:</p> <p>i) Three completed similar works* each costing not less than the amount equal to <b>40% of the estimated cost of work.</b></p> <p><b>Or</b></p> <p>ii) Two completed similar works* each costing not less than the amount equal to <b>50% of the estimated cost of work.</b></p> <p><b>Or</b></p> <p>(iii) One completed similar work* costing not less than the amount equal to <b>80% of the estimated cost of work.</b></p>	<p>Bidder should fill up the information in <b>Annexure V- Format 3</b> annexed hereto and submit along with the following documents as proof of having successfully completed similar work/s*.</p> <p>(i) Copies of detailed <b>work order/s</b> for qualifying works indicating date of award, contract amount, time given for completing the work, etc. and the corresponding <b>completion certificate(s)</b> indicating actual date of completion and actual value of executed similar work/s issued by the client(s) for works executed for government / public sector companies and copies of work order, work completion certificate along with <b>Tax Deducted at Source (TDS) certificate(s)</b> issued by the client(s) for works executed for private companies.</p> <p>(ii) Client certificate/s for each of the qualifying work as per the <b>Annexure VI- Format 3A</b> annexed hereto.</p>
D	Annual financial turnover	Bidder should have had an annual financial turnover of amount equal to <b>₹98.94 lakh</b> or more per	Bidder should fill up the information in <b>Annexure VII</b> annexed hereto and submit along with the

		year during the last 3 financial years, ending on <b>March 31, 2024.</b>	<p>following documents:</p> <p>(i) Copies Audited financial statements / accounts of the business of the bidder duly <b>certified by a Chartered Accountant</b> indicating the turnover for financial years referred in the <b>Annexure VII.</b></p> <p>(ii) Copies of the <b>Income Tax Clearance Certificates / Income Tax Assessment orders</b> duly certified by a Chartered Accountant as a proof creditworthiness</p>
E	Solvency	Should furnish solvency certificate issued by the bidder's Banker specifically for the purpose of work for an amount equal to <b>₹98.94 lakh</b> or more.	<p>(i) Bidder should submit solvency certificate issued by their Banker.</p> <p>(ii) Bidder should also submit Banker's certificate as per <b>Annexure VIII</b> annexed hereto from their Banker.</p> <p>(iii) Names and addresses of Bankers along with full details, like names, postal addresses, e-mail IDs, telephone (landline and mobile) nos., fax nos., etc. of the contact executives (i.e., the persons who can be contacted at the office of their bankers by the Bank, in case it is so needed) should be furnished.</p>

**Note:**

**(i) Similar work shall mean Civil and Electrical renovation and interior work of Commercial Space (Renovation work of the residential flats will not be considered as similar work)**

**(ii)** Components of work executed other than those included in definition of similar work shall be deducted while calculating cost of similar work. Bidder shall submit abstract of cost of work in support of this.

**(iii)** In respect similar work completion certificate(s), client certificate(s) issued by the private companies shall also accompany copy of Tax Deducted at Source (TDS) certificates. Bids received without the specified certificates shall be rejected and the Bank shall have the right to verify / cause verification of authenticity of the said documents whenever felt necessary.

**(iv)** Regarding client's certificate for qualifying similar completed works carried out for Government / public sector companies, the certificate should be signed by the concerned Executive Engineer or an officer in an equivalent or higher rank. For qualifying similar completed works carried out for private companies, shall accompany Tax Deducted at

Source (TDS) certificates has to be submitted for proving the credentials/contract amount.

(v) Bank reserve its right to obtain the performance reports from the clients for the qualifying work/s, Banker/s report of the Bidders directly, if so desired. The Bank on its own may also conduct inspection of their work eligible/qualifying works referred by the Bidder in their bid.

(vi) It is clarified that the work executed by the applicant for their in-house or capital use will not be considered for the purpose of work experience of completion of similar works.

(vii) **All information called for in the annexed formats should be furnished against the relevant columns** in the formats. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. Even, if no information is to be provided in a column, a 'nil' or '**no such case**' entry should be made in that column. If any particulars/query is not applicable in case of the bidder, it should be stated as '**Not applicable**'. Tender document shall contain all the enclosures mentioned and copies shall be self-attested.

(viii) The bid submitted by a bidder who is found to be not satisfying the above prequalification criteria will be disqualified. Bids containing false and / or incomplete information are liable for rejection.

1	<b>Bids in Two bid system</b>	
	<p>The tender in two parts (Part I comprising of duly filled tender part I, complete pre- qualifications criteria, EMD, technical bid/details, literature, etc. and Part II comprising of duly filled-in tender Part II) should be submitted online as e-Tender using digital signature not later than the date and time of submission of tender/bid online (as specified in schedule 'E'). Tender inviting authority and Name of work, office is specified in schedule 'E'. No tender will be accepted after the specified date and time for submission of tender under any circumstances whatsoever.</p> <p><b>Bids shall be submitted online only</b> and those received in physical form will not be entertained</p>	
2	The intending bidders are advised to follow the important instructions of e-Tender and must have valid class III digital signature to submit the bid.	
3	<b>Documents Comprising Tender/ Bid</b>	
	<b>Part I: (Techno-Commercial Bid)</b>	
	(i)	Form of Tender / Bid
	(ii)	E-tender transaction fee shall be paid as specified
	(iii)	Earnest Money Deposit (EMD) / Bid Security through NEFT
	(iv)	Power of Attorney (as per proforma annexed hereto) in favour of person signing the Bid
	(v)	Duly filled-in and digitally signed tender document consisting of:
	(a)	Entire Tender Document

	(b)	All formats towards prequalification / eligibility criteria, etc. annexed hereto duly filled-in along with relevant documents
	<b>Part II: (Price Bid)</b>	
	Schedule of Quantities, duly filled-in online.	
4	<b>Clarifications and pre-bid meeting</b>	
	<p>If the bidder shall have any doubt as to the meaning of any portion general rules and instructions to bidders, general conditions, or the special conditions or the scope of the work or the specifications and drawings or any other matter concerning the work, he shall in good time, before the scheduled date of Pre-bid meeting, put forth the particulars thereof and submit them to the RBI, in writing, addressed to the Tender Inviting Authority, specified in Schedule 'E' in order that such doubts may be clarified authoritatively during Pre-bid meeting and shall be conveyed to all the bidders in due course. Once a tender is submitted, the matter will be decided according to tender conditions in the absence of such authentic pre-clarification.</p>	
	<p>In order to explain the scope of work, other details and to clarify any issues / queries raised by the bidders, a Pre-bid meeting shall be arranged on the date, time and venue. The bidders are advised to peruse the tender and visit the site and submit any matter requiring clarification to the RBI latest by 5:00 PM on the previous working day. In case the bidder wishes to include any condition while tendering for the work, he will have to submit the same before the pre-bid meeting to enable the RBI to examine/ consider the same. RBI's decision in the matter shall be conveyed to all the bidders after pre-bid meeting but before the scheduled date of submission of the tenders. All the bidders are advised to attend the Pre-bid meeting in their own interest. Any tender received with any deviation / Condition is liable for rejection.</p>	
5	<b>Amendment to Tender document</b>	
	(i)	At any time prior to the deadline for the submission of tender/bids, RBI may, for any reason, whether at its own initiative or in response to a clarification or query raised by a prospective Bidder, modify any part of the tender document by an amendment and will be uploaded on website.
	(ii)	The said amendment in the form of the addendum/ corrigendum will be made available on website of RBI to all the prospective bidders to whom the tender documents issued online and this communication will be in writing and same shall be binding on the bidders. The prospective bidders should promptly acknowledge receipt of the addendum/corrigendum by fax/courier/e-mail to RBI. The addendum(s), if any, issued will form part of the contract document.
	(iii)	In order to afford prospective Bidders reasonable time for preparing their Bids after taking into account such amendments, the RBI may, at its discretion, extend the deadline for submission of Bids.
6	<b>Item Rate Tender</b>	

	<p>The Bidder should note that unless otherwise stated, the tender is strictly on item rates basis and his attention is drawn to the fact that rates for each and every item should be correct, workable and self-supporting. The quantities in the Schedule of Quantities approximately indicate the total extent of work but may vary to any extent and may even be omitted thus altering the aggregate value of the Contract. <b>Rates quoted shall remain firm for a variation of plus (+) or minus (-) 25% of the specified quantities of each item in the Schedule of Quantity.</b></p>	
7	<b>Preparation of bid and Cost of bidding</b>	
	(i)	The bidder must obtain for himself on his own responsibility and at his own expenses all the information which may be necessary for the purpose of making a tender and for entering into a contract and must examine the drawings and must inspect the site of the work and acquaint himself with all local conditions, means of access to the work, nature of the work and all matters pertaining thereto.
	(ii)	The Contractor shall be deemed to have carefully examined the work and site conditions including labour, the general and special conditions, the specifications, schedules and drawings and shall be deemed to have visited the site of work, to have fully informed himself regarding the local conditions and carried out his own investigations to arrive at the rates quoted in the tender. In this regard, he will be given necessary information available with the RBI but without any guarantee about its sufficiency and accuracy.
8	<b>Format to be used</b>	
	<p>The bidder must fill up and submit only the tender forms / formats issued (online) by the RBI, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, including conditional rebates, will be liable for rejection.</p>	
9	<b>Filling of Rates</b>	
	(i)	Rates should be quoted for each item of work on MSTC portal
	(ii)	No advice of any change in rate or conditions after the opening of the tender will be entertained.
10	<b>Earnest Money Deposit (EMD) / Bid security</b>	
	(i)	The bidders are required to submit Earnest Money Deposit (EMD) / Bid Security for an amount and in the manner as specified
	(ii)	A tender, which is not accompanied by EMD, will not be considered. The Earnest Money will be refunded to the bidder if his tender is not accepted but without any interest.
	(iii)	The Earnest Money Deposit paid by unsuccessful bidder(s) will be refunded by RBI after award of work, whereas EMD of successful bidder will be released after award of work and on submission of Performance



		Bank Guarantee. No interest shall be paid on the said deposit.
11	<b>Signing of Bid, Power of Attorney</b>	
	(i)	Each of the tender documents should be signed or digitally signed as per instruction of e-tender hereto by the person or persons submitting the tender in token of his / their acquainted himself / themselves with the General Rules and Instructions to bidders including prequalification criteria, General Conditions of Contract, Specifications, Special Conditions and other terms and conditions etc. as laid down.
	(ii)	The tender submitted online on behalf of a firm must be signed or digitally signed as per instructions of e-tender, it must be digitally signed on his behalf by a person holding a power-of attorney authorizing him to do so, such power of attorney to be uploaded along with the tender, or it must be digitally signed by a partner who has the necessary authority on behalf of the firm to enter into the proposed contract and it must disclose that the firm is duly registered under the Indian Partnership Act, 1952. Otherwise, the tender may be rejected by RBI.
	(iii)	Bidders shall submit online along with Part-I of the tender, a power of attorney, on a stamp paper of appropriate value and duly notarized, in favour of the person digitally signing the Bid documents authorizing him to sign the Bid documents, make corrections / modifications thereto and interacting with Reserve Bank of India and act as the contact person. The proforma of the power of attorney shall be as annexed hereto.
12	<b>Modification / substitution / Withdrawal of Bids</b>	
	(i)	No modification or substitution of the submitted Bid shall be allowed after the due date and time of submission of the tender.
	(ii)	A Bidder may withdraw its submitted Bid, provided that written notice of the withdrawal is received by RBI before the last date for submission of Bids. In case a Bidder wants to resubmit his bid, he shall submit within the due date a fresh bid following all the applicable conditions.
	(iii)	Only a single copy of the withdrawal notice shall be prepared, and each page of the notice shall be signed and stamped by the authorized signatory. The notice shall be duly marked "WITHDRAWAL"
13	<b>Bid Due Date</b>	
	<p>Bids should be submitted online as specified in instructions to e-tender on or before the stipulated time and date as specified.</p> <p>Reserve Bank of India may, in exceptional circumstances, and at its sole discretion, extend the bid due date.</p>	
14	<b>Late bids</b>	
	No bid will be received after the due date / last date and time specified for submission of bids in Notice Inviting Tender or after the extended Bid due date. If any.	

15	<b>Opening of Bids</b>	
	<p>Duly filled tender Part I, accompanied by EMD, prequalification criteria, technical details, literature, etc., called Part I of the tender, will be opened on e-tender mode on the time and date, as specified in Notice Inviting Tender, at his office by the tender inviting authority, as specified in Notice Inviting Tender or his authorized representative in the presence of authorized representatives of the bidders who choose to be present.</p> <p>Duly filled-in tender-Part II, of those bidders, who are found qualified after scrutiny of Part I of the tender documents and prequalification criteria, only will be opened on the time and date, as specified in Notice Inviting Tender, at his office, by the tender inviting authority, as specified in Notice Inviting Tender. in presence of the authorized representatives of the qualified bidders who choose to be present.</p>	
16	<b>Bid Validity</b>	
	Tenders shall remain open to acceptance by the RBI for a period as specified, i.e., 3 months from the date of opening of Part-I of the tender which period may be extended by mutual agreement and the bidder shall not cancel or withdraw the tender during this period.	
17	<b>Clarification &amp; Evaluation of Bids</b>	
	RBI would subsequently examine and evaluate bids as below:	
	(i)	Only those tenders, which meet the minimum prequalification criteria set out in this tender, shall be processed further. After verification of the correctness / legality and adequacy of the information and supporting documents furnished and considering firms financial standing, business integrity, record of timely completion of works, quality of work executed, etc. and Price Bids of only those Bidders who are technically qualified as per Part I of tender shall be opened.
	(ii)	The price bids of unqualified bidders will not be opened, and communication will be sent in this regard.
	(iii)	Rates quoted for each item shall be considered during verification / scrutiny.
	(iv)	Where the rates quoted by the contractor in figures and in words tally, but the amount is not worked out correctly, the rates quoted by the contractor will be taken as correct and the amount will be worked out accordingly.
	(v)	To assist in the examination, evaluation and comparison of the bid, RBI may ask Bidders individually for clarifications. The request for clarification and the response shall be in writing. No change in the price or substance of the Bid shall be sought, offered or permitted except as required to during the evaluation of Bids in accordance with tender clauses.
	(vi)	In the case of any tender where unit rate of any item / items appears unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is

		liable to be disqualified and rejected.
	(vii)	In case the lowest tendered amount (worked out on the basis of quoted rate of Individual items) of two or more bidders is same, then such lowest bidders may be asked to submit a revised offer quoting percentage discount on their already quoted tendered amount which shall be applicable on all tender items except buy-back amount. The lowest tender shall be decided on the basis of revised offer. Further, if any such lowest bidder does not revise his bid on lower side, his original bid shall remain valid for further processing.
	(viii)	If the revised tendered amount (worked out on the basis of quoted rate of individual items) of two or more bidders received in revised offer is again found to be equal, then the RBI shall decide future course of action which shall be final and binding on all the bidders.
18	<b>Acceptance of Tender and Award of Work</b>	
	On receipt of intimation from the RBI of the acceptance of his / their tender, the successful bidder shall be bound to implement the contract and within <b>14 days</b> from the date of issue of work order thereof, the successful bidder shall sign an agreement in accordance with the draft articles of agreement. Further, the written acceptance by the Reserve Bank of India of a tender will constitute a binding contract between the Reserve Bank of India and the person so tendering, whether such formal agreement is or is not executed subsequently.	
19	<b>Performance Bank Guarantee</b>	
	<p>The Contractor whose tender is accepted, will be required to furnish performance <b>(@ 5% of the contract value)</b> in prescribed format <b>(see Annexure XII)/ or amount equivalent to PBG through online mode (NEFT)</b>, within 14 days from the date of issue of work order <b>or alternative mechanism like withholding of an amount equivalent to PBG amount from vendor's bill, with explicit written consent of vendor, till submission of PBG / completion of contractual obligations may also be considered, including charges / interest amount as detailed below in sub-para (a). This PBG will be held for the entire period of currency of contract till DLP (Defect Liability Period) for the due fulfilment of the contractual obligations by the contractor.</b></p> <p><b>(a)</b> In case of delays in submission of unavoidable circumstances, charge for delay in submission of Performance Bank Guarantee shall be recovered from the bills of the contractor at Bank rate.</p> <p>This guarantee shall be from any Scheduled Bank as per the approved proforma annexed hereto.</p>	
20	<b>Retention Money / Security Deposit</b>	
	(i)	In addition to the Performance Bank Guarantee under para 19 above, as further security for the due fulfilment of the contract by the Contractor, <b>5% of the value of the work done will be deducted by the RBI from each payment to be made to the Contractor towards Retention Money.</b> This total amount (Performance Bank Guarantee + Retention

		Money) will be termed as Security Deposit. Earnest Money Deposit (EMD) will be released after award of work and on submission of Performance Bank Guarantee (PBG). RBI will release security deposit i.e Performance Bank Guarantee and Retention Money (PBG +RM) after expiry of one year of the Defects Liability Period. The amounts retained by the RBI shall not bear any interest.
	(ii)	All compensation or other sums of money payable by the Contractor to the Employer under the terms of this Contract may be deducted from the security deposit if the amount so permits and the Contractor shall, unless such deposit has become otherwise payable, within ten days after such deduction make good in cash the amount so deducted.
	(iii)	The security deposit of the successful bidder will be forfeited if he fails to comply with any of the conditions of the Contract.
21	<b>Taxes / Duties/ Levies</b>	
	(i)	Goods and service tax (GST), purchase tax, turnover tax, Excise duty or any other tax applicable in respect of this contract shall be payable by the Contractor and RBI will not entertain any claim whatsoever in respect of the same
22	<b>Time for Completion of Work</b>	
	Time allowed for carrying out the work is <b>210 days</b> shall be strictly observed by the Contractor and it shall be reckoned from the 14 <sup>th</sup> day from the date of the written work order.	
23	<b>Work Programme</b>	
	The work shall throughout the stipulated period of the contract be proceeded with all due diligence and if the Contractor fails to complete the work within the specified period, he shall be liable to pay compensation as defined in the relevant clause of the General Conditions of Contract. The bidder shall, before commencing work, <b>prepare a detailed work programme</b> , as specified in the General Conditions of Contract, which shall be approved by the Engineer-In-Charge.	
	The time allowed for execution of the Works as specified in the Tender or the authorized extended time in accordance with these conditions shall be the essence of the Contract. The execution of the works shall commence from such time period as mentioned in tender. If the Interior Contractor commits default in commencing the execution of the work as aforesaid, Employer shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the performance guarantee absolutely.	
	PROGRAMME CHART	
	The Interior Contractor shall submit a detailed work program for the execution of work, clearly showing all activities from the start of work in line with the presentation shown at the time of evaluation matrix to completion, within the stipulated period or earlier with the timelines indicated in presentation of successful contractor and submit the same for approval to the Engineer-in-Charge within fourteen days of award of the contract.	

The program should include the following:	
a)	Descriptive note explaining sequence of the various activities.
b)	Network (PERT / CPM / BAR CHART).
If at any time, it appears to the Bank's Engineer that the actual progress of work does not conform to the approved programme referred above or after rescheduling of milestones, on his instructions, the Contractor shall produce a revised programme within 7 (seven) days, showing the modifications to the approved programme to ensure timely completion of the work.	
If the work(s) be delayed by:-	
Force majeure, or	
Abnormally bad weather, or	
Serious loss or damage by fire, or	
Civil commotion, local commotion of workmen, strike or lockout,	
24	<b>RBI / Employer's right to accept or reject any or all the bids</b>
	Notwithstanding anything mentioned above, RBI reserves the right to accept or reject any Bid at any time prior to award of contract without thereby incurring any liability to the affected Bidder or Bidders. The RBI / Employer shall not assign any reason for rejection of any or all Bids.

I/We hereby declare that I/we have read and understood the above instructions.

Date:

Place:

Signature of bidder with seal

# **TECHNICAL SPECIFICATIONAS**

## **General Consideration**

- 1. All basic rates/Basic price to be considered as landed price at site inclusive of all applicable taxes. (Excluding applicable GST)**

Price adjustment will be made only on the actual quantity measured. The price adjustment will be made for the difference between the basic rate and the actual market / material purchase rate and 15% profit thereon in the rate quoted for respective item in the e-tender. Basic rate indicates cost of material at site excluding GST, transportation charges, sales tax, excise/custom duty, VAT, SAT, Octroi or any other tax and duty or other levy charged by the Central Government or State Government or local authority as applicable.

**Vendor shall submit the catalogue along with basic rate of the materials (Basic rate of each of available shades/ pattern) for aapproval of colour/shade/pattern and finish and basic rate. Hence vendor shall ensure that before placing the order of the materials and after approval of the color/shade/pattern for which basic rate has been mentioned; basic rates of the approved material and its variation from Basic rate (if any, from the basic rate of material as mentioned in tender) has been approved. If the vendor submits only the catalogue but not the basic rate; and material got approved; by default, Bank will assume that the basic rate of the approved material is either less than or equal to the basic rate mentioned in the tender. It will be vendor's responsibility to get the approval of the basic rate of the approved material, in case basic rate of the approved material is higher than the basic rate mentioned in the tender.**

### **Adjustment in rates In Case of difference in Basic price of material**

If there is difference in Basic price of material, the quoted rates for item including fixing / installation / laying etc. of that items, will be adjusted as below - For each Rs. 1.00 (One rupee) variation in basic rates of per unit of that material, there will be Rs. 1.357 (Multiplying factor) for adjustment in the rates.

### **Revised rates =**

**Rates quoted in the tender + (Actual basic rate of approved material – basic rates mentioned in the tender) X CPOH @ 15% X GST @ 18 %**

Note:

- CPOH @ 15 % is the 15 % of the difference in basic prices of material
- GST @ 18 % is the 18% of the the difference in basic prices of material

**Necessary documents for verification of the rates need to be supplied before commencement of work at site.**

2. This is an item rate contract. Some of the items may not be operated. The Vendor cannot raise any objection for non-operation/deletion of any items.
3. All sizes specified are approximate. Contractor needs to check the actual sizes at site & before execution.
4. Contractor to provide samples of any material, Mock-up (any numbers) at place as desired by the Design Architect, Consultants or Banks Engineer at no extra cost. Contractor will not be paid for the same separately.
5. All the work to be carried out as per Drawings and as directed by the Design Consultant and Banks Engineer and up to their satisfaction.
6. Contractor to read the BOQ in conjunction with drawings and specifications.
7. Contractor to use all MR Grade ply unless otherwise specified. (From all approved makes)
8. Contractor to use all BWP ply / Block board for wet areas. (From all approved makes)
9. The rate quoted by the Contractor for following items shall be inclusive of the following:  
Applicable for whole scope of work including plumbing works.
10. All labour, materials, wastage, transportation, handling, use of tools, equipment's, and other items incidental to the satisfactory completion of item work at all depths, heights and at any levels.
11. The rate shall be inclusive of all lifts and leads at all levels.
12. Contractor to provide samples of any material, Samples, Mock-ups of any items at place as desired by the Design Architect Or Banks Engineer. Contractor will not be paid for the same separately.
14. Curing for all types of Structural works(RCC), Civil works like masonry works, plastering works & other civil works at any level as required & as directed by the Banks Engineer and to the satisfaction of Banks Engineer.
15. Making Good to damages are included in the work
16. Scaffolding work shall be considered while quoting the rates; wherever required.

## **(A) Civil and Interior Work Specifications**

### **GENERAL**

The carriage and stacking of materials shall be done as directed by the Bank's Engineer. Any tools and plants, required for the work shall be arranged by the Contractor..

### **RESPONSIBILITY FOR LOSS OR DAMAGE**

Loading, carriage, unloading and stacking shall be done carefully to avoid loss or damage to the materials. In case of any loss or damage, recovery shall be effected from the Contractor at twice the Departmental issue rates of the materials. If the departmental issue rates of the materials are not available then the recovery shall be effected at twice the prevailing market rates as determined by the Bank's Engineer.

### **MODE OF CARRIAGE**

Depending upon the feasibility and economy, the Bank's Engineer shall determine the mode of carriage viz. whether by mechanical transport or manual labour.

### **GENERAL CONSIDERATION FOR STACKING AND STORAGE**

#### **Planning of Storage Layout**

For any site, there should be proper planning of the layout for stacking and storage of different materials, components and equipment's with proper access and proper maneuverability of the vehicles carrying the material. While planning the layout, the requirements of various materials, components and equipments at different stages of construction shall be considered. For further details, refer IS- 4082.

Material shall be stored in such a manner as to prevent deterioration or intrusion of foreign matter and to ensure the preservation of their quality and fitness for the work.

### **PROTECTION AGAINST ATMOSPHERIC AGENCIES**



Materials stored at site, depending upon the individual characteristics, shall be protected from atmospheric actions, such as rain, sun, winds and moisture to avoid deterioration.

## **PROTECTION AGAINST FIRE AND OTHER HAZARDS**

Materials like timber, coal, paints, etc. shall be stored in such a way that there may not be any possibility of fire hazards. Inflammable materials like kerosene and petrol, shall be stored in accordance with the relevant rules and regulations so as to ensure the desired safety during storage. Stacks shall not be piled so high as to make them unstable under fire fighting conditions and in general they shall not be more than 4.5 m in height. The provisions given in IS 13416 (part 5) shall be followed.

## **QUALITY**

All materials for incorporation into the works shall be of the best quality of their respective kinds as specified herein and shall comply strictly with the tests prescribed hereinafter or, where tests are not laid down in list Specification, with the requirements of the latest edition of the relevant Indian Standards approved by the Engineer.

## **SAMPLES**

Samples of all materials proposed to be used or incorporated in the works and to be supplied by the Contractor may be called for at any time by the Engineer or his Representative.

### **Approval of Samples, Handling of material:**

1. Submit manufacturer's standard size sample of sections of all size that are to be used to the work.
2. Submit samples that are large enough to exhibit the technical specifications color and other properties.
3. Deliver materials to site in original factory wrappings and containers, clearly labeled with identification of manufacturer, brand name,

4. Store materials in original undamaged packages and containers, inside well-ventilated area protected from weather, moisture, soiling, extreme temperatures, humidity; laid flat, blocked off ground to prevent sagging and warping.
5. Do not stack packages higher than recommended by manufacturer.

## **MODE OF MEASUREMENT**

The method of measurement for various items in the tender shall be generally in accordance with the IS: 1200 unless otherwise specifically stipulated in this tender document.

## **MATERIALS**

Materials shall be of the best-approved quality obtainable and they shall comply with the respective IS specifications (for those materials covered by BIS). Samples of all materials shall be got approved before placing an order and the approved sample shall be deposited in the Bank.

Materials shall be of the best approved quality obtainable and they shall comply with the respective latest IS specification.

Samples of all materials shall be got approved before placing an order and the approved sample shall be deposited with the Bank.

In case of non-availability of materials in metric sizes, the nearest size in FPS units shall be provided with the prior approval of the Engineer for which neither extra will be paid nor any rebate shall be recovered.

Under Exceptional circumstances, when bank may in the opinion to test any of the material from third party, below mentioned for the independent test shall be followed:

Any of the material may be tested in any government/ NABL certified testing laboratory approved by the Assistant Manager/ Manager (Tech), as per the testing guidelines issued by the Employer, which can be perused by the Contractor from the Bank. Results of such tests in original issued by the laboratory shall be submitted to the Bank with Assistant Manager/ Manager (Tech). The entire charges connected with such testing including for repeated tests if ordered by the Engineer shall be borne by the Contractor.

The frequency, the procedure for the testing and acceptance criteria will be as stated in the respective I.S codes. The Contractor shall at his own expenses supply and deliver to a Testing House or Analyst such materials as may be directed by the Engineer. Should the result of any test be unsatisfactory to the Engineer or his Representative, the materials represented will be rejected. The costs of all the tests shall be borne by the contractor.

## **Dismantling and Demolition**

(i) Deconstruction/Dismantling – Means a selective demolition in which salvage, reuse and recycling of demolished structure is maximized. The term ‘Dismantling’ implies carefully separating the parts without damage and removing. This may consist of dismantling one or more parts of the building as specified or shown on the drawings.

Applicable to doors, windows, aluminum partition, material with salvage value.

(ii) Demolition: The term ‘Demolition’ implies breaking up. This shall consist of demolishing whole or part of work either manually or using mechanical force (various equipment) or by implosion using explosion, including all relevant items as specified or shown on the drawings.

Applicable to Brickwork, flooring and other masonry structure. Generates Debris with no or little value from economical point of view.

### **Precautions**

All materials obtained from dismantling or demolition shall be the property of the Government unless otherwise specified and shall be kept in safe custody until they are handed over to the Engineer-in- Charge/ authorized representative.

The demolition shall always be well planned before hand and shall generally be done in reverse order of the one in which the structure was constructed. The operations shall be got approved from the Engineer-in-Charge before starting the work.

Due care shall be taken to maintain the safety measures prescribed in IS 4130 and construction and demolition waste management rules 2016 shall be followed.

Necessary propping, shoring and or under pinning shall be provided to ensure the safety of the adjoining work or property before dismantling and demolishing is taken up and the work shall be carried out in such a way that no damage is caused to the adjoining work or property. Wherever specified, temporary enclosures or partitions and necessary scaffolding with suitable double scaffolding and proper cloth covering shall also be provided, as directed by the Engineer-in-Charge. It shall be ensured that no dust is generated while demolishing. Demolition Rules – 2016 shall be followed.

Necessary steps shall be taken to keep noise and dust nuisance to the minimum. All work needs to be done under the direction of Engineer-in-Charge. Helmets, goggle, safety belts etc., should be used whenever required and as directed by the Engineer-in-Charge. The demolition work shall be proceeded with in such a way that it causes the least damage and nuisance to the adjoining building and the public. Proper Barricading shall be provided at all necessary locations.

Dismantling shall be done in a systematic manner. All materials which are likely to be damaged by dropping from a height or by demolishing roofs, masonry etc. shall be carefully removed first. Chisels and cutters may be used carefully as directed. The dismantled articles shall be removed manually or otherwise, lowered to the ground (and not thrown) and then properly stacked as directed by the Engineer-in-Charge.

Where existing fixing is done by nails, screws, bolts, rivets, etc., dismantling shall be done by taking out the fixing with proper tools and not by tearing or ripping off.

Any serviceable material, obtained during dismantling or demolition, shall be separated out and stacked properly as directed by the Engineer-in-Charge within a lead of 50 meters. All unserviceable materials, rubbish etc. shall be disposed off at authorized locations by urban local bodies as directed by the Engineer-in-Charge.

The contractor shall maintain/disconnect existing services, whether temporary or permanent, wherever required by the Engineer-in-Charge.

Before proceeding for dismantling work especially for services, contractor to ensure that all services connections with main lines has been disconnected with the help of Banks Engineer.

Water spray shall be used to reduce dust while tearing down plaster from brick work.

Safety belts shall be used by labourers while working at higher level to prevent falling from the structure. Wherever, possible mechanized working platform shall be used.

First-aid equipment shall be made available at all demolition works of any magnitude. Dismantling items as listed in the schedule of quantities. Contractor to carefully packing and shifting the items (as listed in the schedule of quantities) existing loose furnitures in premises to place as directed by the Banks Engineer.

### **Double scaffolding (Steel)**

A temporary erection of steel work used in the construction, alteration, demolition or Repairs, cleaning and coating including external painting work of a building to support or to attend of the hoisting or lowering of workmen, their tools and materials. Scaffoldings are of two types, namely single and double scaffoldings. Single scaffolding consists of a row of verticals connected to wall by horizontal supported on and tied to the structure. Double scaffolding consists of two rows of verticals secured or leashed together with horizontal and diagonal bracings forming essentially a structure independent of the building. It may also connect to the structure at convenient points for the sake of better stability.

Only double scaffolding of steel member (as specified below) is allowed for the works mentioned in the tender.

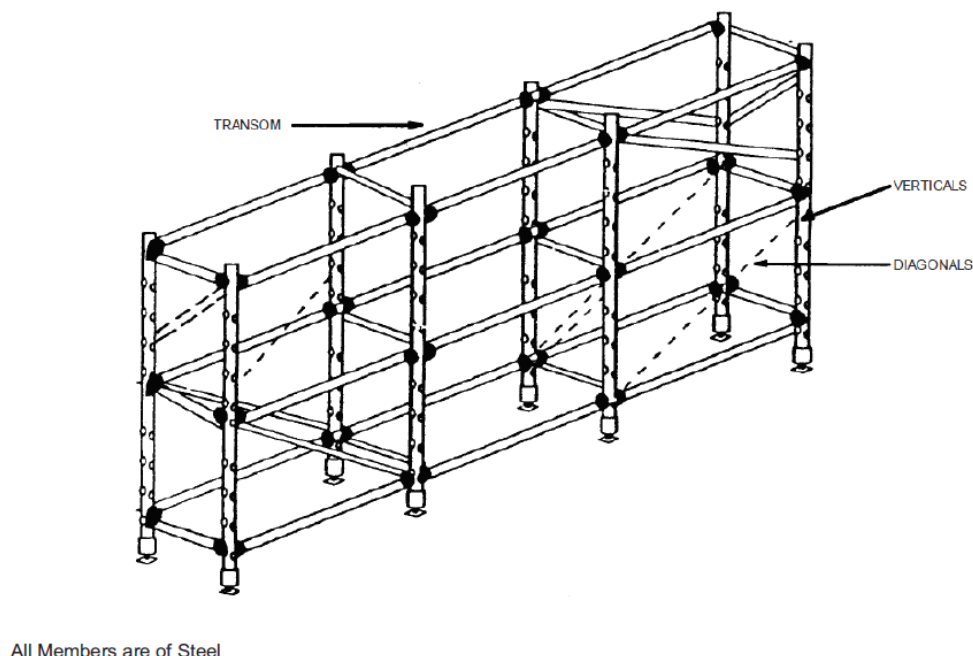
#### **DOUBLE SCAFFOLDING SYSTEM MADE WITH MS TUBE**

Scaffolding shall be strong to withstand all dead, live and impact loads which are likely to come on them. Scaffolding shall be provided to allow easy approach to every part of the work. The double scaffolding made with 40mm dia and 25mm dia pipe shall be erected along the wall surface. The MS pipe of heavy duty with wall

thickness 4mm shall be used for the scaffolding. The scaffolding shall be erected in double row system and at every 9m height the extra 1 row of 40mm dia pipe perpendicular to wall surface shall be provided to secure both layer of vertical pipe in the wall for better stability. It should be strong enough to withstand all coming load / wind pressure/tilt etc. The double scaffolding consists of 2 rows of vertical with horizontal and diagonal bracing forming essentially a structure independent of the building. The bottom of the scaffolding shall be fixed in suitable MS chair on base plate of minimum 12mm thick and 25x25cm size. The plate should be properly placed firm plate concrete floor. The framework of scaffolding made with 40mm dia MS tube 1.5m center to center horizontal and vertical joint with cup and lock system and MS fixtures etc. MS tube chalis and MS tube staircase in scaffolding for working platform etc. shall also be provided. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc. wherever required for inspection of work at required locations with essential safety features for the workman etc. complete as per directions and approval of Engineer-in-charge.

Double scaffolding with without cup and lock i.e with clamp may only be allowed in exceptional cases with prior permission of the Bank.

Typical layout of Double scaffolding system made with MS tube



Note:-

The condition of MS tube and required claddings should be in good condition and should not have been used more than the specified time/nos. Scaffolding system shall remain the property of the contractor after completion of work.

Scaffolding to be erected along the façade of the building in curvilinear portion ( i.e. along the curvature and linear portion of the building) and **no payment will be made for erecting the scaffolding either straight or along the curvature of the Building. The item wherever the scaffolding is required itself shall incorporate the cost of scaffolding.**

The contractor has to observe all safety procedure while working on heights as per IS 3696 (Part-I)1987.

Labors working on the scaffolding should be provided with safety belts, helmets and they should wear the same while working.

**No payment will be made for any scaffolding and all the items wherever the scaffolding is required, shall incorporate the cost of scaffolding in the rate of item itself.**

## CONCRETE – PLAIN AND REINFORCED

### GRADES OF CONCRETE

Various grades of concrete shall be as per IS 456-2000 with specified characteristic compressive strength against these grades in accordance with Table 2 in the said IS. In the grade designation, letter M refers to the mix and the number to the specified characteristic compressive strength of 15-cm. cube at 28 days expressed in N/mm<sup>2</sup>. The characteristic strength is defined as the strength of material below which not more than 5 percent of the test results are expected to fail.

The mix shall be designed to produce the grade of concrete having the required workability and characteristic strength not less than appropriate values given in Table 2 of IS 456:2000. The target mean strength of concrete mix should be equal to the characteristic strength plus 1.65 times the standard deviation.

### NOMINAL MIX CONCRETE

Nominal mix concrete may be allowed by the Engineer at his discretion. The proportions of materials shall be in accordance with Table 9 of IS 456-2000. The relevant details at a glance are indicated in Table 2.

TABLE - 2

Grade of Concrete	Total quantity of dry aggregates by Mass per 50kg of Cement, to be taken as the sum of the individual Masses of Fine & Coarse Aggregate, Kg, <i>Max.</i>	Quantity of water per 50 Kg. of cement, <i>Max.</i>
M 5	800 Kg.	60 Litres
M 7.5	625 Kg.	45 Litres
M 10	480 Kg.	34 Litres
M 15	330 Kg.	32 Litres

M 20	250 kg.	30 Litres
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The proportion of fine aggregate to coarse aggregate by mass shall generally be 1:2 subject to an upper limit of 1:1 ½ and lower limit of 1:2 ½.

**TABLE - 3**

I.S. Sieve Designation	Percentage passing for single sized aggregate of nominal size					Percentage passing for graded aggregate of nominal size			
	40 mm.	20 mm.	16 mm.	12.5 mm.	10 mm.	40 mm.	20 mm.	16 mm.	12.5 mm.
63 mm.	100	-	-	-	-	-	-	-	-
40 mm.	85-100	100	-	-	-	95- 100	100	-	-
20 mm.	0-20	85-100	100	-	-	30-70	95-100	100	100
16 mm.	-	-	85-100	100	-	-	-	90-100	-
12.5 mm.	-	-	-	85-100	100	-	-	-	90-100
10 mm.	0-5	0-20	0-30	0-45	85-100	10-35	25-55	30-70	40-85
4.75 mm.	-	0-5	0-5	0-10	0-20	0-5	0-10	0-10	0-10
2.36 mm.	-	-	-	-	0-5	-	-	-	-

### Brick Work

Bricks used in the masonry may be of the following type.

#### Classification

Bricks/Brick tiles shall be classified based on their minimum compressive strength as given below:

**Table**

Class Designation	Average compressive strength			
	Not less than		Less than	
	N/mm <sup>2</sup>	(kgf/cm <sup>2</sup> )	N/mm <sup>2</sup>	(kgf/cm <sup>2</sup> )
12.5 (125)	12.5	125	15.0	150
10 (100)	10	100	12.5	125
7.5 (75)	7.5	75	10	100
5 (50)	5	50	7.5	75
3.5 (35)	3.5	35	5.0	50

Bricks used in the works shall conform to the requirements laid down in IS: 1077.

The class of the bricks shall be as specifically indicated in the respective items of work.

The nominal size of the modular brick shall be 200mmx100mmx100mm with the permissible tolerances over the actual size of 190mmx90mmx90mm as per IS: 1077. The nominal thickness of one brick and half brick walls using modular bricks shall be considered as 200 mm and 100 mm respectively. OR In the event of use of traditional bricks of nominal size 230mmx115mmx75mm with tolerance up to 3mm in each dimension, one brick and half brick wall shall be considered as 230mm and 115 mm respectively.

Bricks shall be sound, hard, and homogenous in texture, well burnt in kiln without being vitrified, hand/machine moulded, deep red, cherry or copper coloured, of regular shape and size & shall have sharp and square edges with smooth rectangular faces. The bricks shall be free from pores, cracks, flaws and nodules of free lime. Hand moulded bricks shall be moulded with a frog and those made by extrusion process may not be provided with a frog. Bricks shall give a clear ringing sound when struck and shall have a minimum crushing strength of 5N/sq.mm unless otherwise specified in the items of work. The average water absorption shall not be more than 20 percent by weight up to class 12.5 and 15 percent by weight for higher classes. Bricks which do not conform to this requirement shall be rejected. Over or under burnt bricks are not acceptable for use.

Sample bricks shall be submitted to the Banks Engineer for approval and bricks supplied shall conform to approved samples. If demanded by Banks Engineer, brick samples shall be got tested as per IS 3495 by Contractor. Bricks rejected by Banks Engineer shall be removed from the site of works.

#### Soaking of Bricks

Bricks shall be soaked in water before use for a period for the water to just penetrate the whole depth of the bricks. Alternatively bricks may be adequately soaked in stacks by profusely spraying with clean water at regular intervals for a period not less than six hours. The bricks required for masonry work using mud mortar shall not be soaked. When the bricks are soaked they shall be removed from the tank sufficiently early so that at the time of laying they are skin -dry. Such soaked bricks shall be stacked on a clean place where they are not again spoiled by dirt earth etc.

#### Laying



Bricks shall be laid in English Bond (Fig. given below) unless otherwise specified. For brick work in half brick wall, bricks shall be laid in stretcher bond. Half or cut bricks shall not be used except as closer where necessary to complete the bond. Closers in such cases, shall be cut to the required size and used near the ends of the wall. Header bond shall be used preferably in all courses in curved plan for ensuring better alignment.

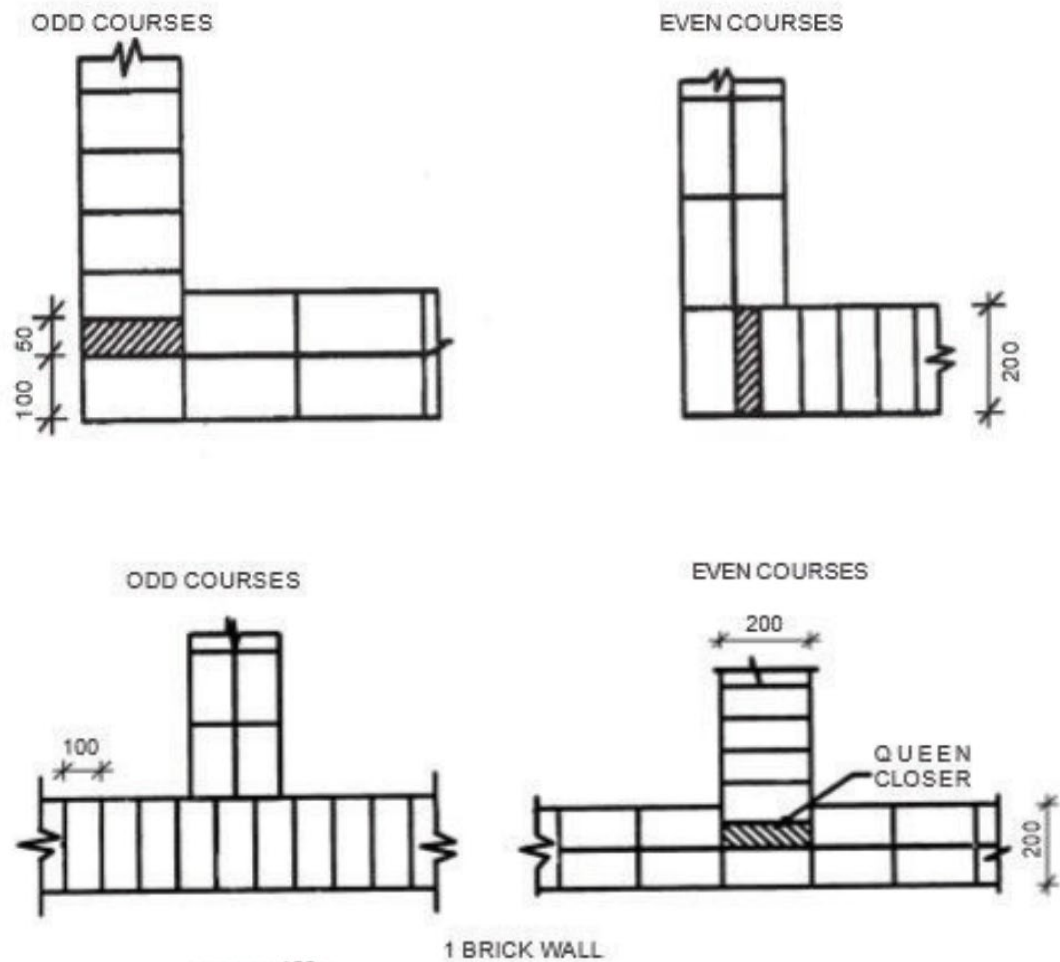
Note: Header bond shall also be used in foundation footings unless thickness of walls (width of footing) makes the use of headers impracticable. Where thickness of footing is uniform for a number of courses, the top course of footing shall be headers.

All loose materials, dirt and set lumps of mortar which may be lying over the surface on which brick work is to be freshly started, shall be removed with a wire brush and surface wetted. Bricks shall be laid on a full bed of mortar, when laying, each brick shall, be properly bedded and set in position by gently pressing with the handle of a trowel. Its inside face shall be buttered with mortar before the next brick is laid and pressed against it. Joints shall be fully filled and packed with mortar such that no hollow space are left inside the joints.

The walls shall be taken up truly in plumb or true to the required batter where specified. All courses shall be laid truly horizontal and all vertical joints shall be truly vertical. Vertical joints in the alternate course shall come directly one over the other. Quoin, Jambs and other angles shall be properly plumbed as the work proceeds. Care shall be taken to keep the perpends properly aligned within following maximum permissible tolerances :

- (a) Deviation from vertical within a storey shall not exceed 6 mm per 3 m height.
- (b) Deviation in verticality in total height of any wall of building more than one storey in height shall not exceed 12.5 mm.
- (c) Deviation from position shown on plan of any brick work shall not exceed 12.5 mm.
- (d) Relative displacement between load bearing wall in adjacent storeys intended to be vertical alignments shall not exceed 6 mm.
- (e) A set of tools comprising of wooden straight edge, masonic spirit levels, square, 1 metre rule line and plumb shall be kept on the site of work for every 3 masons for proper check during the progress of work

## Brick Bond:



(Fig only for illustration purpose)

The brick work shall be built in uniform layers.

1. No part of the wall during its construction shall rise more than one metre above the general construction level. Parts of wall left at different levels shall be raked back at an angle of 45 degrees or less with the horizontal. Tothing shall not be permitted as an alternative to raking back. For half brick partition to be keyed into main walls, indents shall be left in the main walls.
2. All pipe fittings and specials, spouts, hold fasts and other fixtures which are required to be built into the walls shall be embedded, as specified, in their correct

position as the work proceeds unless otherwise directed by the Engineer-in-Charge.

3. Top courses of all plinths, parapets, steps and top of walls below floor and roof slabs shall be laid with brick on edge, unless specified otherwise. Brick on edge laid in the top courses at corner of walls shall be properly radiated and keyed into position to form cut (maru) corners. Where bricks cannot be cut to the required shape to form cut (maru) corners, cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) equal to thickness of course shall be provided in lieu of cut bricks.
4. Bricks shall be laid with frog (where provided) up. However, when top course is exposed, bricks shall be laid with frog down. For the bricks to be laid with frog down, the frog shall be filled with mortar before placing the brick in position.
5. In case of walls one brick thick and under, one face shall be kept even and in proper plane, while the other face may be slightly rough. In case of walls more than one brick thick, both the faces shall be kept even and in proper plane.
6. To facilitate taking service lines later without excessive cutting of completed work, sleeves (to be paid separately) shall be provided, where specified, while raising the brick work. Such sleeves in external walls shall be sloped down outward so as to avoid passage of water inside.
7. Top of the brickwork in coping and sills in external walls shall be slightly tilted. Where brick coping and sills are projecting beyond the face of the wall, drip course/throating (to be paid separately) shall be provided where indicated.
8. Care shall be taken during construction that edges of jambs, sills and projections are not damaged in case of rain. New built work shall be covered with gunny bags or tarpoulin so as to prevent the mortar from being washed away. Damage, if any, shall be made good to the satisfaction of the Engineer-in-Charge.

## **Rate**

The rate shall include the cost of materials and labour required for all the operations described above except the vertical reinforcement and its encasement in cement mortar or cement concrete. The rate shall also include the following :

- (a) Raking out joints or finishing joints flush as the work proceeds;
- (b) Preparing tops of existing walls and the like for raising further new brick work.
- (c) Rough cutting and waste for forming gables, splays at eaves and the like.
- (d) Leaving holes for pipes upto 150 mm dia. and encasing hold fasts etc.
- (e) Rough cutting and waste for brick work curved in plan and for backing to stone or other types of facing.
- (f) Embedding in ends of beams, joists, slabs, lintels, sills, trusses etc.
- (g) Bedding wall plates, lintels, sills, roof tiles, corrugated sheets, etc. in or on walls if not covered in respective items and
- (h) Leaving chases of section not exceeding 50 cm in girth or 350 sq cm in cross-section.
- (i) Brick on edge courses, cut brick corners, splays reveals, cavity walls, brick works curved on plan to a mean radius exceeding six metres.

## **CUTTING CHASES IN MASONRY WALLS**

### **Making Chases**

Chases are made in the walls for housing G.I. Pipes/CPVC Pipes/Electrical Conduits etc.

### **Cutting of chases in one brick thick and above load bearing walls and stone masonry walls**

- (i) As far as possible services should be planned with the help of vertical chases. Horizontal chases should be avoided.
- (ii) The depths of vertical chases and horizontal chases shall not exceed one third and one sixth of the thickness of the masonry respectively.

(iii) When narrow stretches of masonry (or short lengths of walls) such as between doors and windows, cannot be avoided, they should not be pierced with openings for soil pipes or waste pipes or timber joints, etc. Where there is a possibility of load concentration, such narrow lengths of walls shall be checked for stresses and high strength bricks mortar or concrete walls provided, if required.

(iv) Horizontal chases when unavoidable should be located in the upper or lower one third of height of storey and not more than three chases should be permitted in any stretch of a wall. No continuous horizontal chase shall exceed one metre in length. Where unavoidable, stresses in the affected area should be checked and kept within the permissible limits.

(v) Vertical chases should not be closer than 2 m in any stretch of a wall. These shall be kept away from bearings of beams and lintels. If unavoidable, stresses in the affected area should be checked and kept within permissible limits.

(vi) Masonry directly above a recess, if under than 30 cm (Horizontal dimension) should be supported on lintel. Holes in masonry may be provided up to 30 cm width x 30 cm height without any lintel. In the case of circular holes in masonry, no lintel should be provided up to 40 cm in diameter.

### **Cutting of chases in half brick load bearing walls**

No chase shall be permitted in a half brick load bearing wall and as such no recessed conduits and concealed pipes shall be provided in half brick thick load bearing walls.

### **Cutting of chases in half brick non-loading bearing walls**

In case of non load bearing half brick walls services should be planned with the help of vertical chases. Horizontal chases should be provided only when unavoidable.

### **Precaution during cutting of chase**

1. No inclined chase shall be permitted in brick masonry or stone masonry walls. In case inclined chases are unavoidable these shall be cut with written approval of the Engineer-in-Charge, and shall be repaired properly to his satisfaction. However, in half brick masonry wall, no inclined chase will be permitted.

2. Chases shall be made by chiselling out the masonry to proper line & depth. Any damage to the adjoining portion or to any other item shall be made good, as decided

by the Engineer-in-Charge, for which no extra payment shall be made. All dismantled material shall be removed from site.

### **Filling Chases**

After G.I. Pipes/CPVC Pipes/Electrical Conduits etc. are fixed in chases, the chases shall be filled with cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) or cement mortar 1:4 (1 cement: 4 coarse sand) as may be specified or otherwise directed by the Engineer-in-Charge and made flush with the masonry surface. The concrete surface shall be roughened with wire brushes to provide a key for plastering.

## **Plastering**

**General:** This section shall cover internal plastering/rendering works as shown in the drawings. Before commencing the work sample of all plaster types, finishes and colours shall be made in accordance with the specifications indicated below and got approved by Banks Engineer. The work shall be executed as per the approved samples only.

**Working specimen/sample:** A working specimen at the actual place shall be carried out and the work shall be done up to the satisfaction of the Banks Engineer. The working specimen shall be carried out at a location with the maximum surface irregularity to establish the maximum plaster thickness and to check whether the finish shows evidence of surface cracking or delaminating over time. Based on the observations the expansion joints and crack control joints shall be determined and shall be followed for preparation of the shop drawing. The further work shall be carried out strictly as per the working specimen in terms of finish and Tolerance.

The working specimen shall be well coordinated with all other interrelated working specimens and as far as possible all such specimens shall be carried out at one location in the form of a mock up room.

Prior to working specimen a plaster sample of 300 mm X 300 mm size shall be provided for review. The samples of glass fibre mesh and associated fasteners shall be submitted for approval.

**Preparation of surface:** Joints of Block work shall be raked- out properly. Dust and loose mortar shall be brushed out. Efflorescence if any shall be removed by brushing

and scraping. Shuttering imperfections of all concrete shall be roughened by hacking with chisel and all resulting dust and loose particles cleaned and the surface shall be thoroughly hacked or bush hammered to the satisfaction of the Banks Engineer. The surface shall be thoroughly washed with water, cleaned and kept wet before plastering is commenced.

No plastering work shall be started before all conduits, pipes, fittings and fixtures clamps, hooks, doors and window frames etc. are embedded, grouted and cured and all defects removed to the satisfaction of the Banks Engineer. Special approval shall be taken from the Banks Engineer before commencing each plastering work. No cutting of finished plaster shall be allowed under any circumstance. No portion shall be left out initially to be patched up later on.

**Application of plaster:** Wall Cement Plaster in CM 1:4 plastering shall be started from top and gradually worked down towards floor. It shall not, at any place be thinner than as specified. To ensure even thickness and a true surface plaster of about 15 cm x 15 cm shall be first applied horizontally and vertically at not more than 2 m interval over the entire surface to serve as gauges. The mortar shall then be applied to the wall/surface between the gauges and finished even. All corners, junctions and rounding's shall be truly vertical or horizontal and finished carefully. Generally, work in an enclosure shall be completed in one day. For larger areas if the work has to be suspended at the end of the day, plaster shall be cut clean to line. Where recommencing the plastering, edge of old work shall be scrapped, cleaned and wetted with cement putty before restarting plastering. The Contractor shall ensure the curing period to be in accordance with relevant IS code.

## **PLASTERING AT JUNCTION: -**

### **Glass Fiber Mesh at Junction**

All junctions of Masonry wall with R.C. structure e.g. column, beam, etc. which are to be plastered, shall be reinforced by Approved Glass Fiber mesh as per IS 11551, 200mm wide with an overlapping of 100 mm centrally over the length of junction. Glass Fiber mesh of required width shall also be fixed over chasing for conduits, pipes, etc. on masonry walls before plastering is commenced. The mesh shall be nailed rigidly to the masonry with G.I. nails of suitable type at approx. 400 mm centres. The finished mesh shall be straight, rigid and laid without sagging.

**Measurement:** Measurement for plastering work shall be in sq.m correct to two places of decimal. Unless a separate item is provided for grooves, mouldings, etc., these works are deemed to be included in the unit rates quoted for plastering work. The quantity of work to be paid for under these items shall be calculated by taking the projected surface of the areas plastered after making necessary deductions for openings for doors, windows, fan openings etc. The actual plaster work carried out on jambs/sills of windows, openings etc shall be measured for payment.

**Rate:** The rates are inclusive of working at any level, including necessary platforms, scaffolding, all tools and plants, material and labour required for the work including the wastages Expenses, if any, for supervision and technical assistance supplied by manufacturers, Plaster work in bends rounded angles, fair edges, narrow returns, 'V' joints (revels), plays, drip mouldings, grooves/reveal, making good the metal frame junctions, jad over skirting or dado making good around pipes, boxes, conduits, railings, 200 mm wide Glass Fiber mesh at junctions of concrete and masonry or any dissimilar materials, and providing and mixing approved fibre reinforcing material as per manufacturers specification in cement mortar for all plaster items. Making good all recesses and chesses through the wall for the services. Finishing the openings left for the services after their installation and the requirements as stipulated in the specifications above.

### CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPES

CPVC pipes & fittings used in hot & cold potable water distribution system shall conform to requirement of IS 15778. The material from which the pipe is produced shall consist of chlorinated polyvinyl chlorides. CPVC pipes shall of nominal diameter as mentioned in BOQ and SDR 11.

Outside diameters and wall thicknesses for CPVC. SDR 11 Plastic Pipe

Nominal Size (in.)	Outside diameter, in. (mm)		Wall Thickness, in. (MM)	
	Average	Tolerance	Minimum	Tolerance
½	0.625 (15.9)	+ 0.003( +0.08)	0.068 (1.73)	+ 0.020 (+ 0.51)
¾	0.875 (22.2)	+ 0.003( +0.08)	0.080 (2.03)	+ 0.020 (+ 0.51)



1	1.125 (28.6)	+ 0.003( +0.08)	0.102 (2.59)	+ 0.020 (+ 0.51)
1- ¼	1.375 (34.9)	+ 0.003( +0.08)	0.125 (3.18)	+ 0.020 (+ 0.51)
1- ½	1.625 (41.3)	+ 0.004( +0.10)	0.148 (3.76)	+ 0.020 (+ 0.51)
2	2.125 (54.0)	+ 0.004( +0.10)	0.193 (4.90)	+ 0.023 (+ 0.58)

The internal and external surfaces of the pipe shall be smooth, clean, and free from grooving and other defects. The pipes shall not have any detrimental effect on the composition of the water flowing through it. The pipes before laying should be properly cleaned.

**Piping Installation Support and Spacing:** The pipes shall be cut to the required size by using pipe cutters ideal for CPVC pipe cutting as recommended by the manufacturer. The tube should be cut as squarely as possible to provide optimum bonding area within a joint. The joint shall be free of all burrs and filing both inside and outside. The laying and jointing for the pipes will follow the approved manufacturer's recommendation

**Concealed Piping:** Pipes can be concealed in chases. The pipes and fitting are to be pressure tested prior to concealing the chases. To maintain alignment of CP fittings while joining, all alignment of fittings and pipe shall be done correctly. **DO NOT USE NAILS FOR HOLDING OF PIPES IN THE CHASES.**

**Testing:** After laying and jointing, the pipes and fittings shall be inspected under working conditions of pressure and flow. Any joint found leaking shall be redone and all leaking pipes removed and replaced without extra cost.

The pipes and fittings after they are laid shall be tested to hydraulic pressure of 10 kg/sq.cm (100 meter). The test pump having been stopped, the test pressure should be maintained without loss for at least two hours without any drop in pressure. The pipes and fittings shall be tested in sections as the work of laying proceeds, keeping the joints exposed for inspection during testing.

**Measurements:** The length shall be measured in running meter correct to 2 decimal. for the finished work, which shall include pipe and fittings such as bends, tees, elbows, reducers, crosses, plugs, sockets, nipples, unions and

nuts, but exclude brass or gun metal tap (Cock), valves, lead connecting pipes and shower rose. The measurement shall be taken separately for internal and external work. The length shall be taken along the central line of the pipe fittings. All the pipes and fittings shall be classified according to their diameters, method of jointing and fixing substance, quality and finish. The diameter shall be nominal diameter of the internal bore. The length of pipe measured shall be considered as inclusive of all cuttings and wastage. In case of fittings of unequal bore, the largest bore shall be measured, length shall be inclusive of all fittings.

## **UNPLASTICISED POLYVINYL CHLORIDE PIPES AND FITTINGS**

**UPVC Pipes:** Pipes shall conform to Type A pipes of IS 13592. The internal and external surfaces of the pipes shall be smooth and clean and free from groovings and other defects. The end shall be clearly cut and shall be square with the axis of the pipe. The end may be chamfered on the plain sides. Slight shallow longitudinal grooves or irregularities in the wall thickness shall be permissible provided the wall thickness remains within the permissible limit.

**Fixing and Jointing:** Pipes shall be embedded in masonry as required in the description of the item. Plain pipes shall be secured to the walls at all joints with PVC Pipes clips by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length i/c cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand ). The clips shall be kept about 25 mm clear off finished face of wall, so as to facilitate cleaning of pipes. Pipes shall be fixed perfectly vertical or to the lines as directed. The pipes shall be fitted to fittings with seal ring conforming to IS 5382 allowing 10 mm gap for thermal expansion.

**Installation in Wall/Concrete:** The walls/concrete slots should allow for a stress free installation. Pipes and fittings to be inserted into the slots without a cement base have to be applied first with a thin coat of PVC solvent cement

**Fittings:** Fittings used shall be of the same make as that of the PVC pipes Injeciton moulded or fabricated by the manufacturer and shall have a minimum wall thickness of 3.2 mm. The fittings shall be supplied with grooved socketted ends with square grooves and provided with Rubber Gasket conforming to IS 5382. The plain ends of

the fittings should be chamfered. The fittings shall be joined with the help of Rubber lubricant. The details of fittings refer IS 13592.

## **WATER SUPPLY FITTINGS**

### **Forged Brass Ball Valve :**

Ball valve is a valve with suitable means of connection for insertion in a pipe line for controlling or stopping the flow. The valve shall be operated with quarter turn lever made of aluminium alloy/mild steel. The body, bonnet and ball valve shall of forged brass confirming to IS 6912 Gr. FLB. The body seat ring, thrust washer and gland packing shall of PTFE. The valve shall have female threaded ends conforming to IS 554.

## **DRAINAGE**

### **Soil, Waste, Rain-Water, Vent and Anti-Siphonage Pipes and Fittings :**

All soil, waste and anti-siphonage pipes and fittings used within sunken floor areas or within plumbing shafts vertical run, shall be cast iron socket and spigot type pipe conforming to IS 3989 - 1984 or its subsequent revision. Cast Iron pipes and materials shall be of good and tough quality and dark grey on fracture. They shall be sound and nicely cast and shall be free from cracks, taps, pinholes and other manufacturing defects.

All C.I pipes shall bear the manufacturers name and ISI mark to which it conforms. Jointing shall be done with polymer based compound having density around 1.95 gm/cc. The application is a cold mix done by homogenously mixing the two pack system in cold condition as per manufacturer's instructions and recommendations.

Clean outs at the head of C.I. S/S horizontal pipes running under the floor shall be of cast brass screwed in type. Floor and wall clean outs shall be of cast brass screwed type. The connecting pieces shall be of G.I. threaded coupling to suit the clean out.

Where so specified in BOQ waste pipes from fittings like basins, urinals, sinks etc. can be of appropriate dia in rigid P.V.C. fittings jointed with solvent.

The sizes of branch waste pipes for different fittings shall be as follows :

Wash basin	40 mm dia O.D.
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Urinal	40 mm dia O.D.
Sink	40 mm dia O.D.
Nahani Trap	75 mm dia I.D.
Special floor trap	75 mm or 100 mm dia as required with bolted aluminum grating in 25x25 m.s. angle
Wash troughs	50 mm dia O.D
Canteen wash areas	40 mm dia O.D.

W.C. pan connectors shall be to suit the requirements as per drawing, with 40 dia. vent horn for connection to the anti-siphonage pipe. Pan connector shall be of C.I. or lead.

The floor traps for toilet blocks shall be cast iron with C.P. brass grating, bolted down design. The traps shall be provided with minimum water seals of 40 to 50 mm.

Where toilet slabs are sunk, the floor trap shall be of 100 x 75 heavy duty type C.I. 'P' trap, with C.P. grating.

#### **Measurement:**

All pipes shall be measured along linear length including length over the fittings. The lengths over the fittings shall be paid as extra over under relevant item. Traps, clean outs shall be enumerated.

### **SANITARY FITTINGS**

All sanitary fittings shall be as specified in schedule of quantities and as approved by the Bank's Engineer.

Sanitary fitting include all fittings except water supply pipe and fittings, valves, drainage pipes and fittings. They will cover sanitary wares like W.C. pan. Wash basins, Urinals, Bidets as well as water supply faucets like Bib taps, stop cocks, showers, geysers, mixer faucets for showers and wash basins etc. They will also cover all accessories concerned with the above like seats for W.C.'s, traps, fixing brackets, waste couplings, flexible PVC or C.P. brass connectors pipes. Other toilet fixtures like coat hooks, towel rails, soap dish, toilet paper holders, napkin holders, mirrors, liquid soap containers etc. will also be covered under these.

The items of sanitary fittings will be supply and fixing including all accessories

The supply items have to be complete including all accessories fixing screws, nuts and bolts, etc. The price should include all taxes, duties, insurance loading and transport charges upto delivery at site.

The contractor is required to supply the fitting, he should get the samples for approved the Bank's Engineer before ordering the same.

Every item fitting will be described in the Bills of quantities and will generally include the accessories as given in succeeding paragraphs, wherever reference to catalogue no is given for a sanitary fitting item it is with reference of recommended make Catalogues. In case a different make is supplied it should be equivalent to or nearer to the similar Catalogue No specified.

Water closet will include WC pan of specified pattern, S or P trap, seat and cover, flushing cistern or flush valve, water supply connector pipe and stop cock, flush pipe etc. as specified in the item including making water and drain connections. The closet shall be fixed with C.I. chair bracket with bolts for wall hung type.

Urinals will include set of Urinal of specified pattern, waste coupling, bottle traps, flush valve common flush tank and distributor pipe for a set of one, two or three urinals, stop cock and connector pipe etc.

Wash basin will include wash basin of specified pattern with concealed or open brackets, fancy pillar tap with trap, CP extension piece and wall flange stop cocks and connector pipes etc. including making water and drain connections. Waste pipe will be paid separately. For a counter top basin, size of counter, material and thickness shall be specified. The rate will exclude cutting the counter for fixing basin and making holes for pillar tap etc.

Sinks shall include the vitreous or stainless steel sink, with or without drain board, waste coupling, bottle trap or P trap. A stop cock, connector pipe and swan neck type pedestal tap may be included in the item. Drainpipe shall be paid separately.

**Water Test :** Test entire system or sections of system by closing all openings in piping except the highest opening and filling with water to the point of overflow. If the system is tested in sections, plug each opening except the highest opening of

the section filled with water. Keep the water in system or in portion under test for atleast 45 minutes before inspection starts with test pressure/head lasting for two hours. The system must be tight at all joints.

**Measurement :**

Sanitary fittings shall be enumerated in Nos. and will include all the work specified in the respective items in the bill of quantities.

**Hangers & supports:** Hangers are provided to support water supply or drainage pipes when they run parallel to the ceiling in space. Proper solid angle iron / channel section, supports shall be provided for all pipes complete with clamps. Wherever insulations comes, wooden guide to support pipe on the angle iron hangers / supports, shall be provided. For attachment in concrete, “Dash” fasteners or Anchor plug tube inserts or equivalent shall be used. Hangers shall be provided within 90 mm of all changes in direction of main and minimum of three hangers per expansion band wherever shown in drawing. Any additional structural steel angles, channels or other members not specifically shown but are required for proper support, shall be provided.

Where necessary additional hangers to be provided to arrest water hammer or hydraulic resonance with proper rubber paddings.

Hangers, shall be spaced as noted below, except on all soil pipe which shall have a hanger of multiple fittings, sufficient no. of hangers shall be provided to maintain proper slope without sagging.

A. Pipe sizes in mm	Hanger Rod Dia
20 through 50	10 mm
65 through 125	12 mm
150 and above	15 mm

B. Pipe sizes	Spacing of supports
12 to 20 mm	1.5 m apart
25 to 40 mm	2 m apart
50 above	2 m apart

Provide floor stands, wall brackets or masonry piers etc. for all lines running near the floor or near walls as those line can be properly supported or suspended masonry walls may be hung also by hangers carried from wall brackets as a higher level than pipes. Hanging of any pipe from another is prohibited.

Hanger : Clevis or band type hangers shall be provided. Hot water piping is to be provided with suspended supports as far as possible Note that strap hangers are not permitted, and clamps should be of removal type.

Insulated Hot Water Piping : A 40 mm thick timber support for direct support of hot water line is required. Timber supports are to rest in brackets.

For pipes running in shafts can be also hung away from the wall by supporting on an angle projecting from the wall and the pipe fixed to the angle by 'U' bolt and nut.

**Cleaning operation and tests** : Plumbing equipment, fixtures, piping, etc shall be free of stamping, marking (except those required by codes) iron cuttings and other foreign materials.

Hot, cold and drinking water systems shall be cleaned thoroughly filled and flushed with water.

The entire mechanical apparatus shall operate at full capacity without objectionable noise or vibrations.

Test all plumbing systems in the presence of the Bank's Engineer as herein specified. Provide all equipment materials and labour necessary for inspection and tests and repair all work, which does not pass the tests. After repairs are made repeat test until the system is found satisfactory to the above authorities. Carry out tests prior to concealing, insulating or back filling over any piping. No exception will be made.

Test entire system of soil, waste, and vent piping by water after the roughing in is completed and before the fixtures are set. After setting the fixture, provide smoke test, after sealing all traps.

The contractor shall arrange on his own initiative for tests during the progress of work to ensure that there are no defects in material / workmanship in portions of work to be concealed or embedded under the floor or walls in ceiling.

### **Granite for Counters**

The Granite stone should be of premium quality of approved colour shade and pattern of minimum 16 mm thickness and supplied in one piece for one wash basin

counter, Kitchen platform, serving counter, preparation counter etc. Granite shall be plain machine cut and mirror polished. The stone shall be smooth and of even surface without holes or pits. Before starting the work, the contractor shall get samples of Granite approved by the Engineer-in Charge. Approved samples shall be kept in the custody of the Engineer-in-Charge and the Granite supplied and used on the work shall conform to samples regarding soundness, colour, veining and general texture. The joints shall be as fine as possible.

### **Vitrified Tile Flooring**

The tiles shall be of approved make and shall generally conform to IS 15622. They shall be flat, and true to shape and free from blisters crazing, chips, welts, crawling or other imperfections detracting from their appearance. The tiles shall be tested as per IS 13630.

Classification and Characteristics of pressed ceramic tiles shall be as per IS 13712.

The tiles shall be square or rectangular of nominal size. Thickness shall be specified by the manufacturer. It includes the profiles on the visible face and on the rear side.

Manufacturer/supplier and party shall choose the work size of tiles in order to allow a nominal joint width upto 2mm for unrectified floor tiles and upto 1mm for rectified floor tiles. The joint in case of spacer lug tile shall be as per spacer.

The top surface of the tiles shall be glazed. Glaze shall be either glossy or matt as specified. The underside of the tiles shall not have glaze on more than 5% of the area in order that the tile may adhere properly to the base. The edges of the tiles shall be preferably free from glaze. However, any glaze if unavoidable, shall be permissible on only upto 50 per cent of the surface area of the edges.

**Preparation of Surface and Laying:** Base concrete or the RCC slab on which the tiles are to be laid shall be cleaned, wetted and mopped. The bedding for the tile shall be with cement mortar 1:4 (1 cement : 4 coarse sand) or as specified. The average thickness of the bedding shall be 20 mm or as specified while the thickness under any portion of the tiles shall not be less than 10 mm. Mortar shall be spread, tamped and corrected to proper levels and allowed to harden sufficiently to offer a fairly rigid cushion for the tiles to be set and to enable the mason to place wooden plank across and squat on it.



- b) Over this mortar bedding neat grey cement slurry of honey like consistency shall be spread at the rate of 3.3 kg of cement per square metre over an area upto one square metre. Tiles shall be soaked in water washed clean and shall be fixed in this grout one after another, each tile gently being tapped with a wooden mallet till it is properly bedded and in level with the adjoining tiles. The joints shall be kept as thin as possible and in straight lines or to suit the required pattern.
- c) The surface of the flooring during laying shall be frequently checked with a straight edge about 2 m long, so as to obtain a true surface with the required slope. In bath, toilet W.C
- d) kitchen and balcony/verandah flooring, suitable tile drop or as shown in drawing will be given in addition to required slope to avoid spread of water. Further tile drop will also be provided near floor trap.
- e) Where full size tiles cannot be fixed these shall be cut (sawn) to the required size, and their edge rubbed smooth to ensure straight and true joints.
- f) Tiles which are fixed in the floor adjoining the wall shall enter not less than 10 mm under the plaster, skirting or dado.
- g) After tiles have been laid surplus cement slurry shall be cleaned off.

**Pointing and Finishing:** The joints shall be cleaned off the grey cement slurry with wire/coir brush or trowel to a depth of 2 mm to 3 mm and all dust and loose mortar removed. Joints shall then be flush pointed with white cement added with pigment if required to match the colour of tiles. Where spacer lug tiles are provided,

the half the depth of joint shall be filled with polysulphide or as specified on top with under filling with cement grout without the lugs remaining exposed. The floor shall then be kept wet for 7 days. After curing, the surface shall be washed and finished clean. The finished floor shall not sound hollow when tapped with a wooden mallet.

**Precautions:** Flooring in lavatories and bathrooms shall be laid after fixing of water closet and squatting pans and floor traps. Traps shall be plugged, while laying the floors and opened after the floors are cured and cleaned. Any damage done to WC's squatting pans and floor traps during the execution of work shall be made good.

During cold weather, concreting shall not be done when the temperature falls below 4°C. The concrete placed shall be protected against frost by suitable coverings. Concrete damaged by frost shall be removed and work redone. During hot weather,

precautions shall be taken to see that the temperature of wet concrete does not exceed 38°C. No concreting shall be laid within half an hour of the closing time of the day, unless permitted by the Engineer-in-Charge.

**Measurements:** Length and breadth shall be measured correct to a cm before laying skirting, dado or wall plaster and the area calculated in square metre correct to two places of decimal. Where coves are used at the junctions, the length and breadth shall be measured between the lower edges of the coves.

No deduction shall be made nor extra paid for voids not exceeding 0.20 square metre. Deductions for ends of dissimilar materials or other articles embedded shall not be made for areas not exceeding 0.10 square metre.

### **Vitrified tile Dado and Skirting**

**Preparation of Surfaces and laying:** The joints shall be raked out to a depth of at least 15 mm in masonry walls. In case of concrete walls, the surface shall be hacked and roughened with wire brushes. The surface shall be cleaned thoroughly, washed with water and kept wet before cladding is commenced. 12 mm thick plaster of cement mortar 1:3 (1 cement : 3 coarse sand) mix of as specified shall be applied and allowed to harden. The plaster shall be roughened with wire brushes or by scratching diagonal at closed intervals.

The tiles should be soaked in water, washed clean, and a coat of cement slurry applied liberally at the back of tiles and set in the bedding mortar. The tiles shall be tamped and corrected to proper plane and lines. The tiles shall be set in the required pattern and jointed. The joints shall be as fine as possible. Top of skirting or dado shall be truly horizontal and joints truly vertical except where otherwise indicated. Odd size/cut size of tile shall be adjusted at bottom to take care of slope of the flooring. Skirting and dado shall rest on the top of the flooring. Where full size tiles cannot be fixed these shall be cut (sawn) to the required size and their edges rubbed smooth. Skirting /dado shall not project from the finished "surface of wall" by more than the tile thickness, undulations if any shall be adjusted in wall.

**Curing and Finishing:** The joints shall be cleaned off the grey cement grout with wire/coir brush or trowel to a depth of 2 mm to 3 mm and all dust and loose mortar removed. Joints shall then be flush pointed with white cement added with pigments if required to match the colour of tiles. The work shall then be kept wet for 7 days.

After curing, the surface shall be washed and finished clean. The finished work shall not sound hollow when tapped with a wooden mallet.

## **Kota Stone Flooring**

**Stone Slabs :** The slab shall be of selected quality, hard, sound, dense and homogeneous in texture, free from cracks, decay, weathering, and flaws. They shall be hand or machine cut to the requisite thickness as indicated and they shall be of uniform color. (in case of non-uniformity in the lot of Kota stone, whole lot will be get rejected) The slabs shall have the top (exposed) face polished before being brought to site. Before starting the work, Contractor shall get the sample of slabs approved by the Engineer-in-Charge.

**Dressing of Slabs:** Every slab shall be cut to the required size and shape and fine chisel dressed on the sides to the full depth so that a straight edge laid along the side of the stone shall be in full contact with it. The sides (edges) shall be table rubbed with coarse sand or machine rubbed before paving. All angles and edges of the slabs shall be true, square and free from chippings and the surface shall be true and plane.

**Preparation of Surface and Laying:** Sub-grade concrete or the RCC slab which are laid for raising of floor at ground floor on which the kota stone slabs are to be laid shall be cleaned, wetted and mopped. The bedding for the slabs shall be with cement mortar and the thickness as indicated.

The slabs shall be laid in the following manner:- Mortar of the specified mix shall be spread under the area of each slab, roughly to the average thickness as indicated. The slab shall be washed and cleaned before laying. It shall be laid on top, pressed, tapped with wooden mallet and brought to level with the adjoining slabs. It shall be lifted and laid aside. The top surface of the mortar shall then be corrected by adding fresh mortar at hollows. The mortar is allowed to harden a bit and cement slurry of honey like consistency shall be spread over the same at the rate of 4 kg of cement

per square metre. The slab to be paved shall be lowered gently back in position bedded in level. Subsequent slabs shall be laid in the same manner and joints between adjacent slabs shall be as thin as possible and run in straight line. After each slab has been laid, surplus cement grout coming out of the joints of the slabs shall be cleaned off. The surface of the flooring as laid shall be true to levels, lines and shapes as instructed by the Engineer-in-Charge.

Slabs which are fixed in the floor adjoining the wall shall enter not less than twelve (12) mm under the plaster skirting or dado. The junction between wall plaster and the floor shall be finished neatly and without waviness.

**Curing, Polishing and Finishing:** The floor shall be kept wet for a minimum period of seven (7) days. The surface shall thereafter be ground evenly with machine fitted with fine grade blocks (Minimum No. 60). The final grinding with machine fitted with the finest grade grit blocks (No. 320 or higher) shall be carried out the day after the first grinding described above or before handing over the floor, as ordered by the Engineer-in-Charge.

(In brief After the Kota stone flooring work is cured, it shall be rubbed with carborundum stone of different grades no. 60, 120 and 320 in succession or with electrical rubbing machines rubbed with carborundum items 0 to 6 nos.in succession, to give a plane true and highly smooth surface)

For small areas or where circumstances so require, hand polishing may be permitted in lieu of machine polishing after laying. For hand polishing the following Carborundum stones shall be used. 1st grinding - Medium Grade Stone (No.8) Final Grinding - Fine Grade (No.120 and 320)

In all other respects, the process shall be similar as for machine polishing.

After the final polish, oxalic acid shall be dusted over the surface at the rates of thirty three (33) gms. per square metre sprinkled with water and rubbed hard with pad of wooden rags. The following day the floor shall be wiped with a moist rag and dried with a soft cloth and finished clean.

If any slab is disturbed or damaged, it shall be refitted or replaced, properly jointed and polished. The finished floor shall not sound hollow when tapped with wooden mallet.

**Same methodology shall be used for polishing of Existing Udaipur Green/ Baroda Green/White Marble flooring in addition to joint filling with the matching pigment before polishing work, wherever required.**

## **KOTA STONE IN SKIRTING**

Kota Stone Slabs and Dressing shall be as specified above except that the thickness of the slabs shall be 12 mm or as specified in the description of the item. The slabs may be of uniform size, color and shade.

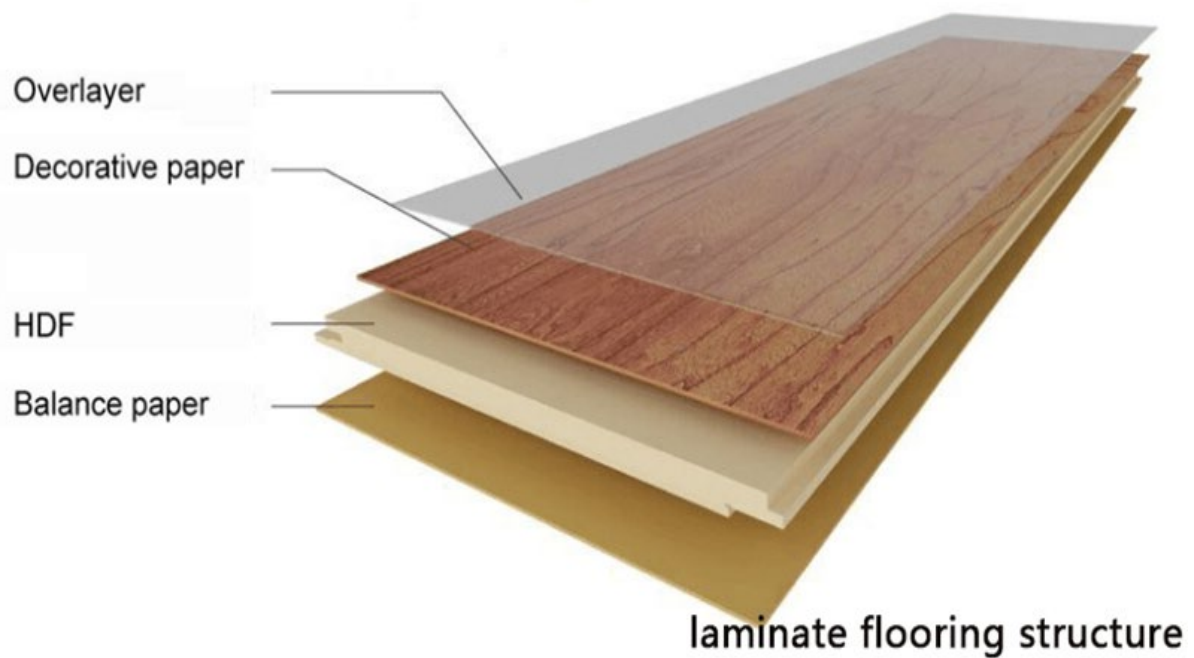
Curing, Polishing and Finishing shall be as specified in above except that portable hand polishing machine may be used and except that first polishing with coarse grade carborundum stone shall not be done.

**Measurements** : Length shall be measured along the finished face of skirting or dado correct to a cm. Height shall be measured from the finished level of floor to the top (the underside of tread in the case of steps). This shall be measured correct to a mm in the case of risers of steps and skirting and correct to a cm in the case of dado. The area shall be calculated in square meter correct to two places of decimal.

**Rate:** The rate shall include the cost of all materials and labor, taxes, sundries, CPOH, Tools and Tackles etc. involved in all the operations described above.

## **HDF Laminated Flooring and Skirting**

Laminated wooden flooring shall be AC4 Grade. The core of the laminated flooring shall be High Density Fibre Board and Thickness shall be 8 mm. The Structure of the plank shall be as per shown in picture and shall be supplied in planks in size approximately 8 inch X 4 feet planks. However the size of the plank may vary as per the manufacturer's the specifications.



**Laminated HDF Plank:** The laminated plank flooring shall be installed by professional floor installer. The subfloor must be clean, dry, and flat, no matter if the flooring is being applied to new housing or over an existing floor. A standard 1/4-inch expansion space is allowed at the ends and side. However, if the room or hall is more than 66 feet in length or width, an expansion space of 1/2 inch is required for the entire perimeter and around any fixed objects such as columns.

**Installing Laminated Plank Floors:** Laminate flooring shall be laid over a 0.20mm thick polythene film to form a vapor barrier and 2mm to 3mm thick approved FOAM. The panels used shall be of high solidity, high impact strength, high temperature resistance without change in shape). Each panel shall have click system (tongue and groove profile) and to be laid in approved pattern with suitable glue as per manufacturers specifications including all-round suitable edge profile all-round, reducer, door profile, edge profile etc. wherever required as per requirement. The Bidder shall thoroughly go through the drawing and include the skirting, edge profile, reducer etc accessories in the item of the flooring. Area of flooring, skirting, reducer, edge profile etc will be measured in sqmt and will be paid in the item of laminated wooden flooring.

The finished floor should be protected by covering the floor with 500 micron LDPE film taped on the ends until handing over. Note the tapes used should not live impressions on walls / skirting or any other finished surfaces.

## **False Ceiling**

### **Suspended 12.5mm thick Gypsum MR board Plain Ceiling:**

**Gypsum MR Board:** 12.5 mm thick tapered edge gypsum moisture resistant board Gypsum Plaster Board shall conform to IS 2095 of size 1219 x 1829mm is then screw fixed to ceiling section with 25mm drywall screws standard at 230mm centers. Finally, square and tapered edges of the boards are to be jointed and finished so as to have a flush look which includes filling and finishing with Jointing Compound & Joint Paper tape. Vendor to submit MTC for ordered material and technical consultant visits are mandatory for material inspection. Rate to include cost towards cutting and making good for any electrical, FA, PA, CCTV, Networks etc., Fixtures as of any size and shape.

**Frame:** Frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c.

## **PERFORATED GYPSUM BOARD TILE FALSE CEILING**

**Tiles:** 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fiber conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non-woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing. The Ceiling Tiles shall be of appropriate class and of finished thickness as specified in the description of the item. Only selected tiles of uniform width shall be used. Unless otherwise specified in the description of the item or shown in the drawings, the width of tiles selected for use shall not be less than 595 X 595 mm in size and shall be 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard. Where width of room/ corridor is in multiple of standard width of tiles, same pattern shall be maintained throughout the length. Where the width of rooms/ corridor is not in multiple of standard width of tiles, borders with appropriate width and material of boards shall be provided in design approved by the Engineer-in-charge and maintained uniformly throughout of the length/ width of room/ corridor

**Frame:** Ceiling tile shall be suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main T at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main T runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in- charge. Frame also consist of galvanized iron perimeter wall angle of size 24 x 24 x 0.40mm of length



3000mm to be fixed on periphery wall/ partition with the help of plastic rawl plugs at centre to centre and 40mm long dry wall SS screws. The bottom surface of the frame shall be checked and corrected to true plans and slopes.

**Fixing:** Outer wall angle shall be fixed accurately and truly at required height and level, parallel and close to the wall. Thereafter all the T members shall be placed and fixed carefully to form the grid. The grid comprises of main T-runners at 1200mm centres securely fixed to the structural soffit by approved and adjustable hanger rods at 1200mm maximum centres and not more than 150mm from spliced joints of main T-runners. The last hanger at the end of each runner should not be greater than 600mm from the adjacent wall. Similarly, cross T-runners of 1200mm length shall be placed at 600mm centre to centre. 600x600mm modules to be formed by fitting 600mm long flush fitting cross Tees (secondary cross T) centrally between 1200mm cross T-runners. The tiles shall then be placed properly in the grids as per required pattern, texture and design/ drawing and as per directions of the Engineer-in-Charge. If required, level of the false ceiling grid shall be checked after placing of calcium silicate tiles and necessary adjustment shall be made wherever required through level adjuster

**Finishing:** Care should be taken while placing tiles into the grid so that there will be no displacement to grid and stains/ dirty marks put by the workers. (worker should preferably wear clean soft cotton gloves while placing tile).

## **PLAIN GYPSUM BOARD TILE FALSE CEILING**

Providing and fixing 12.5 mm thick plain gypsum tile of size 595 X 595 mm cut diagonally and in ceiling and screwed to GI frame same as Gypsum board/tile false ceiling frame work. The plan area will be the visible area only. The work should be complete as per instructions of Architect.

## **PLAIN TEAK VENEER IN FALSE CEILING**

Providing and fixing 4mm thick Teak veneer over 8 mm thk. marine ply wood board; in ceiling and screwed to GI frame same as Gypsum board false ceiling frame work. The work includes P.U. polish/ Melamine polish of approved shade. The payment

area will be the visible area only The work should be complete as per instructions of Architect.

### **BOX TEAK VENEER IN FALSE CEILING**

Providing and fixing **200x125mm boxes made out of** 4mm thick Teak veneer over 8 mm thk. marine ply wood board; in ceiling and screwed to GI frame same as Gypsum board false ceiling frame work. The work includes P.U. polish/ Melamine polish/N.C. Lacquer paint of make and approved shade including coats of primer, puty as required to make the surface smooth and plain. The payment area will be the visible area only The work should be complete as per instructions of Architect.

**Mode of measurement for false Ceiling:** Only Reflected plan area to be measured in square meter calculated to 2 places of decimal. Length and breadth shall be measured. Deduction shall be made for openings etc.

Any level difference for any drop/ step up will be measured in SMT.

## **PARTITION**

**Partition and wall panelling:** Partition and wall panelling work shall be carried out per the description mentioned in the Bill of Quantity and Drawing. In case of discrepancy; drawing will supersede the BOQ. Bidder is strictly advised to read the BOQ along with Drawings for quoting the rates.

## **Metal fabrication**

**Material, fabrication, and welding:** Providing and fixing MS structural Steel Work for the support system, platform, columns, roofing system etc. The welding of the members should be done in such a way to provide strong, distortion free surface. If found necessary, test for strength of the weld may be advised by the Bank to the vendor such as dye test, the cost of which will be borne by the vendor. MS members should be structurally Uniform, smooth on the surface, straight on the edges, uniform in the thickness and free from any defects. MS members should conform to the relevant IS codes. Welding should be done with the suitable welding electrodes (preferably E6013 or equivalent based on the properties of the base metal) after

taking approval by the Bank for the make and type of electrode. The electrode should meet the criteria laid by the relevant IS codes. The MS members should strictly be fixed in line, level and proper alignment. This should be ensured and kept in mind by the bidder that no deviation in the line, level and alignment will be accepted by the Bank and any such work will be rejected by the Bank. This will be thoroughly checked and approved by the Bank and if there is any undulation was found, vendor need to remove and re-fix the non-aligned and its adjacent members so that after re-fixing, true line and level may be found. Welding work should be done by the skilled welder. For marking and cutting and hoisting of the MS sheet, skilled fitter should be employed by the vendor with all the necessary tools and tackles. All the marking, cutting, fabrication, welding, hoisting and finishing work should be done under proper supervision and ensuring safety of workmen at site. Contractor need to depute a full-time supervisor for ensuring the progress, quality and safety of workmen. Proper PPE's should be provided to the workmen and staff during the Execution of work.

MS section (hollow or single section) needed for supporting, strengthening, covering the gap etc. will also to be in the scope of the contractor for which separate items of work is taken and will be paid under this item of work.

Any damage to the existing masonry and MS steel portion of the nearby structures or area or fitting such as windows, stone cladding, etc. due to execution work; need to be rectified or in case if it seems irreparable, the vendor need to replace free of cost with the new one with same specification and same make and brand. All the making of good to damages to the structures will be responsibility of the contractor.

**Electricity and storage:** Bank will provide the electricity at free of cost to the Vendor however he should make his own arrangement for drawing the power from the existing source of power supply to the work site like power cable of suitable length and capacity etc. The materials should be stored at designated places which may be at any location inside the premises of the Bank.

**Maintaining smoothness and avoiding thermal cracking:** The MS sheets are to be welded on the existing MS grill made of MS flats, angles bars etc. which may not be in same plane and their alignment may get disturbed during due to some factors. Necessary wedge and other arrangement need to be done by the vendor so that

after fixing the MS sheets, the surface should be in true vertical plane and in line and level. Adjacent MS sheet should have continuous butt weld from top edge to bottom edge. To avoid distortion and buckling of the sheets at high temperatures, expansion gap of 3.00 mm must be given at every 20 feet or 6.00 meter or as per the instruction of the Engineer In charge considering the suitability of the site. Whenever needed, this gap of 3.00 mm should be covered from behind by welding the sheet of same thickness and minimum 12 mm wide up to full height of the parent sheet with the help of tack welding but ensuring the sufficient strength.

**Wastage:** Contractor should visit and site, assess the quantum of work, including the wastage material to meet the specifications of the work and quote his/her rate (inclusive GST) accordingly). Contractor need to plan his work to minimize the wastage. No claim regarding non-consideration of the factors as per site conditions and technical specification will be entertained by the Bank.

**Priming and painting:** Work should be planned in such a way that, no part left without priming and each single surface which is exposed to environment can be primed. Welding work should be done prior to priming and after thorough cleaning the surface with wire brush and air blowing the surface to remove dust and dirt from the surface.

All the exposed surface of the MS members should be painted with minimum 2 coats of synthetic enamel paint (SEP) of approved brand and shade after 1 coat of priming and thorough cleaning of the surface. After successful completion of metal fabrication work and roofing working, the work shall be get checked and certified by the Bank for final painting work. The cost of metal primer and Synthetic Enamel painting is included in the item of work. No Extra payment will be made for painting of MS structural steel work.

## **FIRE RATED METAL DOOR**

Steel Door comprises choice of single and double leaf 120 minutes rated fireproof door sets suitable for internal and external use of approved make.

120mins. rated fireproof steel door with frame shall be certified by CBRI/ other Govt. approved laboratory for stability and integrity confirming to IS3614PART II.

**DOOR FRAMES:** The door frame profile shall be 143x57 mm of double rebate construction made from 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm). The Door frame shall be suitably prepared, primed and finished with paint to match with door shutter as per Bank's requirement. Frames shall be rigidly bolted at top jamb for direct installation at site. The door frame shall be fixed by adequate number of anchor fasteners on vertical and top jamb as required.

**SHUTTERS :** Fire rated shutters shall be of 50 mm thick glazed fire resistant door shutters of 60 minutes fire rating conforming to IS:3614 (Part-II), tested and certified as per laboratory approved by Engineer-in-charge. Fully flush double skin doors shall have interlocks seam arrangement at stile edges. Shutters shall have no screws or rivets on either face. The in-fill material shall be proprietary fire rated heat-insulating material suitable for stability and integrity upto 60 minutes fire rating. Shutters shall be fabricated at factory with pre-punched cut outs to receive Iron Mongery. Shutters shall have predrilled hinge plates with Hinge guard covers and concealed lock box with lock fixing brackets and pre-tapped holes Shutters shall be finished with paint of colour choice as approved by Banks Engineer. The overall thickness of the shutter shall be 50mm for 60 minutes

**IRON MONGERY:** Various iron mongery items like door closures, locks, handles, panic exit devices etc. shall be incorporated in the door set as required by the Banks Engineer.

- a) Hinges: stainless steel ball bearing of hinges of size 100 x 100 x 3mm  
(Minimum 4 nos for each shutter)
- b) Lock: Mortise locks with lever handle as approved.
- c) Door Closers Heavy duty standard arm type having designer cover OR  
as recommended by manufacturers.

**SHOP DRAWINGS:** Shop drawings for each and every door showing the position of the iron mongery items clearly shall be submitted and approved from Banks Engineer prior to placing final order.

**INSTALLATION:** Fixing of fire door frames and Shutters supplied by approved manufacturer shall be done plumb and true to line in the openings as required at the site on a Single point total turnkey responsibility basis of providing and fixing of the

fire/acoustic door frame sand shutters and the related hardware/ironmongery items which forms apart of Banks Engineer as per BOQ requirement.

**Mode of Measurement:** Unless otherwise specified the work shall be measured on Sq.M basis for the complete assembly of door and frame and as per the item description. The visible area of the door including the frame shall be measured for the payment.

## **uPVC Windows and uPVC door Work**

### **Size of the Profile and Glass**

uPVC Casement Door and Shutter: Casement door profile made of frame 67 x 64 mm & Shutter/Sash 67 x 110 mm both having wall thickness of  $2.3 \pm 0.2$  mm, single glazing bead / double glazing bead of appropriate dimension. uPVC Casement Door made of 10 mm thick Energy Efficient toughened glass, frame & sash with minimum 4 Nos 3D Hinges for each shutter of the door.

uPVC Casement Window and Shutter/Sash: Casement Window Profile shall be made of frame of 60 x 55 mm & sash / mullion 60 X 74 both having wall thickness of  $2.3 \pm 0.2$  mm and single glazing bead/ double glazing bead of appropriate dimension. uPVC Casement window made of 5-6 mm thick Energy Efficient toughened glass, frame & sash with 2 Nos friction hinges for each sash.

uPVC Fixed Window Frame : uPVC uPVC Fixed Window Frame Profile shall be made of frame of 60 x 55 mm having wall thickness of  $2.3 \pm 0.2$  mm, 5-6 mm thick Energy Efficient toughened glass and single glazing bead/ double glazing bead of appropriate dimension.

Note : - Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.

Note: For uPVC frame, sash, mullion and transom at lock rail level extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

**Approval of Samples, Handling of material:**

1. Submit manufacturer's standard size sample of sections of all size that are to be used to the work.
2. Submit samples that are large enough to exhibit the technical specifications color and other properties.
3. Deliver materials to site in original factory wrappings and containers, clearly labeled with identification of manufacturer, brand name,
4. Store materials in original undamaged packages and containers, inside well-ventilated area protected from weather, moisture, soiling, extreme temperatures, humidity; laid flat, blocked off ground to prevent sagging and warping.
5. Do not stack packages higher than recommended by manufacturer.

**Glazing beads:** Glazing beads shall be extruded U PVC mitred at the corners. All glazing beads shall be with a co-extruded gasket of a multi-fin design to maintain security and weather performance. Gasket material shall be thermo Plastic Elastomer.

**Glazing gaskets:** All glazing gaskets as well as weather seals are to be extruded from non-migratory EPDM. Glazing gaskets shall be a continuous length. Gasket may be subjected to random testing and shall be obtained from the profile Systems supplier.

**Reinforcement:** All transoms and mullions shall be fully reinforced, irrespective of size, with corrosion resistant galvanized steel. All other profiles to be reinforced as per the specification of the profile Systems supplier which shall suit the proposed style application relative to exposure, elevation and height above the ground level. Reinforcing shall be secured by suitable screws in accordance with the instructions of the profile Systems supplier.

**Friction Stay hinges:** The size of the Friction Stay hinges will depend on size, weight, hanging and exposure of the relevant sashes. This will be determined from table provided by the hinge manufacturer.

**Welded joints :** All corner joints shall be homogeneously fusion heat welded in accordance with the instructions of the profile Systems supplier. The resulting joints

shall be finished by the grooving/knifing method. Solvent welded joints shall not be allowed.

**Fixing the frame to the building :** The gap between the structural opening and the uPVC frame shall be between 5 to 10mm all round, which should be filled by injectable PU foam after completion of fixing for best frame and wall bonding, and for sound and thermal insulation and finally applying neutral cure low modulus Silicone sealant to make joint waterproof.

Fixing points shall be to all four sides of a frame, spaced 150mm to 250mm from corners and not more than 600mm apart elsewhere. Fixing shall be by direct drilling 10mm hole through U PVC frame to building wall. Each fixing shall penetrate building structure by no less than 40mm and ultimate fixing with anti-corrosive plated anchor bolts through these holes. All heads of all fixing screws shall be covered with appropriate plastic cover caps.

**Durability:** The Systems shall be resistant to chemicals and be fungal and vermin proof. The profiles must be colourfast, being able to withstand weather.

**Colour :** The Systems colour should be uniform and consistent.

**Fire resistance:** The UPVC should be classed as self-extinguishing to prevent support or enhancement of accidental fires.

**Quality control:** The extrusion process must be quality controlled and the appropriate standards relating to impact strength, technical performance and consistency.

**Warranty:** The window manufacturer shall issue to the client a certificate of warranty against any manufacturing or installation defect, valid for minimum of five year for rectification of the defect.

**Installation:**

1. Examine substrates/base surface for undulations and other conditions of the surface on which UPVC windows are to be installed. Notify Bank's Engineer in writing of conditions detrimental to proper completion of the work. Do not proceed until unsatisfactory conditions have been corrected.



2. Correct all the unfavorable substrate conditions such repair, levelling and cleaning as vacuum in place with industrial vacuum cleaner, levelling of base surface etc. up to satisfaction of the Bank's Engineer.

3. Field verify all dimensions and other work conditions affecting the installation of UPVC window.

4. Repair minor holes, cracks, depressions, or rough areas using Cement Mortar (1 cement: 3 Coarse sand)

5. Remove grease, oils, loose particles, paint, dirt, etc. and all other foreign substances. Clear away debris and scrape up cementitious deposits from surfaces for fixing of UPVC windows and vacuum clean immediately before installation.

6. Coordinate UPVC windows installation with any other ongoing work like electrical/telephone/data/ interior work so that work can be completed smoothly.

7. Sequence UPVC windows installation with other work to minimize possibility of damage of material during remainder of renovation period.

Removal of the existing MS windows/glazing/handles and repair of sill, lintel and jamb in line and level:

1. The existing MS windows/glazing and handles shall be carefully removed only after all the fittings and furniture has been cleared from the site.

2. Existing window/door frame shall be carefully cut and removed without causing major damage to the sill, lintel and jamb. Minor damages caused need to be repaired by the contractor in line and level.

3. The existing MS windows/door along with glazing and handles shall be removed carefully to receive the base surface without causing any damage to the surroundings.

4. Repair of sill, lintel and jamb in line and level with cement mortar 1:3 (1 cement and 3 coarse sand)

5. Any damages caused to any other surfaces during the removal process shall be re-instated by the Contractor at no additional cost to the Employer.

6. The contractor shall maintain/ disconnect existing services, whether temporary or permanent, where required by the Engineer-in-Charge.
7. The removed window shall be properly stacked for handling until removed from the premises as per the instructions of the Engineer-in-charge.
8. All the stacked un-usable materials shall be cleared from the premises and disposed in a proper manner as and when instructed by Engineer-in-Charge.
9. Dismantled glass shall be disposed of immediately from the premises.

## **Carpentry Work**

### **Door Frame/Chowkhats**

#### **Fixing chowkhats in existing opening in bricks / RCC/Partition wall with dash fasteners**

In case of door frames without sills, holes 40 mm deep shall be made in the floor for fixing the lower end of verticals of the frames. For doors with sills, the sill plates shall be partly fixed in the floor so that they project above the floor to the height as directed by the Engineer-in-Charge.

For fixing dash fasteners /chemical fasteners of doors, windows or clerestory windows, the requisite number of holes at the correct positions shall be in the masonry/RCC/Partition wall. The size of holes shall be such that the fasteners can be conveniently placed in position. Where necessary, masonry shall be chipped uniformly to facilitate easy insertion of the frame in the opening.

Special care shall be taken when holes are made in load bearing pillars or wall portions separated by openings to ensure that beams etc. supported by them are properly propped up. In such portions cutting holes shall be done on one side at a time. The sides of the holes shall be truly parallel and perpendicular to the plane of the wall. Due care shall be taken, not to disturb the adjoining masonry and the masonry under the bearings of the lintels and arches etc. spanning the opening.

The holes shall then be cleaned of all dust, mortar and brick bats or stone pieces and thoroughly wetted.

#### **Fixing**

The sides of chowkhats of door, window or clerestory window abutting against or to be embedded in masonry shall be painted with two coats of coal tar before being

placed in position. The chowkhats shall then be inserted in position tight. The chowkhats shall then be adjusted to proper line and plumb and secured in position by temporary bracing which shall not be disturbed or removed until the fasteners are embedded in the masonry /RCC wall.

## **FLUSH DOORS**

**Shutters:** Flush door shutters shall have a solid core and may be of the decorative or nondecorative (Paintable type as per IS 2202 (Part I) as specified in BOQ. Nominal thickness of shutters may be 25, 30 or 35 mm as specified in the BOQ. Thickness and type of shutters shall be as specified. Width and height of the shutters shall be as shown in the drawings or as indicated by the Engineer in- Charge. All four edges of the shutters shall be square. The shutter shall be free from twist or warp in its plane. The moisture content in timbers used in the manufacture of flush door shutters shall be not more than 12 per cent when tested according to IS 1708.

**Core:** The core of the flush door shutters shall be a block board having wooden strips held in a frame constructed of stiles and rails. Each stile and rail shall be a single piece without any joint. The width of the stiles and rails including lipping, where provided shall not be less than 45 mm and not more than 75 mm. The width of each wooden strip shall not exceed 30 mm. Stiles, rails and wooden strips forming the core of a shutter shall be of equal and uniform thickness. Wooden strips shall be parallel to the stiles. End joints of the pieces of wooden strips of small lengths shall be staggered. In a shutter, stiles and rails shall be of one species of timber. Wooden strips shall also be of one species only but it may or may not be of the same species as that of the stiles and rails. Any species of timber may be used for core of flush door.

**Face Panel:** The face panel shall be formed by gluing, by the hot-press process on both faces of the core, either plywood or cross -bands and face veneers. The thickness of the cross bands as such or in the plywood shall be between 1.0 mm and 3.0 mm. The thickness 35 of the face veneers as such or in the plywood shall be between 0.5 mm and 1.5 mm for commercial veneers and between 0.4 mm and 1.0 mm for decorative veneers, provided that the combined thickness of both is not less than 2.2 mm. The direction of the veneers adjacent to the core shall be at right angles to the direction of the wooden strips. Finished faces shall be sanded to

smooth even texture. Commercial face veneers shall conform to marine grade plywood and decorative face veneers shall conform to type I decorative plywood in IS 1328.

**Lipping:** Lipping, where specified, shall be provided internally on all edges of the shutters. Lipping shall be done with battens of first class hardwood or as specified of depth not less than 25 mm. Joints shall not be permitted in the lipping

### **Making good to Damages**

For making good the damage to the under mentioned items of work, the specifications as given in the following paras shall apply, unless directed otherwise.

(a) **Masonry Work:** The masonry work shall be made good by using the same class of bricks, tiles or stones as was damaged during the execution of the work. The mortar used shall be cement mortar 1:4 (1 cement: 4 fine sand) or as directed by the Engineer-in-Charge.

(b) **Plain Concrete Work :** Concrete work for sub-grade of the flooring, foundations and other plain concrete works shall be cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).

A coat of neat cement slurry shall be applied at the junction with old work, before laying fresh concrete.

(c) **Cement Concrete Flooring and R.C.C. Work :** Cement concrete 1:2:4 (1 Cement : 2 Coarse sand : 4 graded stone aggregate 20 mm nominal size) shall be used after applying a coat of neat cement slurry at the junction with old work, and the surface finished to match with the surrounding surface.

(d) **Plastering:** Cement plaster 1:4 (1 cement: 4 sand) shall be used. The sand shall be fine or coarse, as used in the original work. The surface shall be finished with two or more coats of white wash, colour wash, distemper or painting as required, but where the surface is not to be white washed, colour washed, distempered or painted, it shall be finished as required to match with the surrounding surface.

(e) **Other Items:** Damage to any other item shall be made good as directed by the Engineer-in Charge.

**Note:** In all the above operations the damaged portion shall be cut in regular geometric shape and cleaned before making good the same.

## **(B) Electrical & Fire Alarm System Work Specifications**

The whole of the electrical installation shall be carried out by a registered licensed Electrical Contractor's Firm(sub-contractor) and valid licensed wireman only.

The electrical installation shall include for the supply of the whole of the materials and the work of fixing, necessary for the complete installation. The work shall be carried out in strict accordance with the latest edition of the Regulations for the Electrical Equipment of Buildings issued by the Institute of Electrical Engineers, I.E. rules and to the satisfaction of and in accordance with rules, regulations and requirements of the supply company and the Fire department all to the entire satisfaction of the Architect & Bank's Engineers.

The position of all points and equipment shown on the drawings shall be assumed to be correct for the purpose of tendering, but it is the main contractor's responsibility to check the exact positions on the site before commencing the works.

Note: - This specification is of the general type only and must be used in conjunction with the drawing of the particular item being made. Anything shown on the drawing and not in the specification must be compiled with, and vice versa.

Only valid licensed wiremen will be allowed to work on site. Before taking up the work or before appointing the wireman for the work, Tenderer shall submit respective wireman's valid electrical license in original with copy for verification to the Bank.

The point wiring will be paid per point. Tenderer shall study the drawing to consider the length of the wires required..

### **1. INTERNAL WIRING**

#### **1.1 System of Wiring**

The system of wiring shall consist of PVC insulated copper conductor flexible FRLS wires in MMS PVC FRLS conduits and shall be recessed/ on wall/ceiling/beam/column as per site condition. The damaged portion has to be set right matching with the original finish.

- **General**

Prior to laying and fixing of conduits, the contractor shall carefully examine the working drawings and prepare shop drawings and get it approved by the Banks'

Engineers. Tenderer should satisfy himself about the sufficiency of number and sizes of conduits, location of junction boxes, sizes and location of switch boxes and other relevant details. Any discrepancy found in the drawings shall be brought to the notice of the Bank' Engineers.

In laying of conduits, it is important that not more than two right angle bends are provided for each circuit as far as possible. No junction box shall be provided in the entire length of conduit run for drawing of wires. Only switch outlets, lighting fixture outlets, equipment power outlets and socket outlets shall be considered for drawing of wires.

## 1.2 PVC Conduit and Accessories

### *PVC Conduit – Medium Mechanical Stress (MMS)*

PVC conduit shall be used for all surface installation. The rigid PVC conduit shall be per IS:9537:1983 Part -3 and medium gauge low smoke, fire retardant which shall be fixed with saddles, spacers, bends elbows, junction boxes, tees etc., suitably mounted on wall/ ceiling/ in concealed manner as per site requirements with all other accessories. Conduits and accessories shall conform to relevant Indian Standard and shall be heavy duty wall thickness of 2.0 mm rigid tubes which are unscrewed without coupling and with plain ends. All conduits used shall not be less than 20 mm diameter.

### *PVC Conduit- Accessories*

Accessories such as bends, elbows, reducers, chase nipples, split couplings, plugs etc. shall be heavy duty and in accordance with complying to relevant IS code.

All accessories used shall be of standard white or black colour, identical to conduit used.

All joints shall be joined by slip type of couplers with manufacturer's standard sealant.

All conduit entries to outlet boxes and switchgear are to be made with adaptors female and male bushes.

PVC-switch and socket boxes with round knockouts are to be used. The colour of these boxes and the conduits shall be the same.

Standard PVC circular/ square junction boxes are to be used with conduits for intersection, Tee-junction, angle-junction and terminal. For the drawing-in of cables, standard circular through boxes shall be used.

All jointing of PVC conduit shall be by means of adhesive jointing. Adequate expansion joints shall be allowed to take up the expansion of PVC conduits.

Samples of all accessories viz. Conduit, switch socket, PVC FRLS wires, saddles, bend, junction box etc. shall be made available for Bank's Engineer for approval before taking up the work.

### 1.3 Bends in Conduit, Casing capping, Race way

Where necessary, bends or diversions may be achieved by means of bends or circular PVC inspection boxes with adequate and suitable inlet, outlet screwed joints. In case of recessed system each junction box shall be provided with a cover properly secured and flush with the finished wall surface. No bends shall have radius less than 7.5 cms or three times the outside diameter of the conduits.

### 1.4 Fixing of Conduits, Casing capping, Race way

Conduits, run on surfaces shall be supported on 6mm thick base saddle which in turn are properly screwed to the wall or ceiling. Base saddles shall be at intervals of not more than 18". Fixing screws shall be with round or cheese head and of rust-proof materials. Exposed conduits shall be neatly run parallel or at right angles to the walls of the building.

Conduits, embedded into the walls shall be fixed by means of staples at not more than 500mm intervals. Chases in the wall shall be neatly made and refilled after laying the conduit and brought to the finish of the wall with final finish.

### 1.5 PVC Conduits, Casing capping, Race way

Maximum permissible number of 1100 volt grade PVC insulated wires that may be drawn into rigid non-metallic PVC Conduits are given below:

Size of wires Nominal Cross Section Area (Sq. mm.)	Maximum number of wires within conduit size(mm)				
	20	25	32	40	50
1.5	5	10	14	--	--



2.5	5	8	12	--	--
4	3	7	10	--	--
6	2	5	8	--	--
10	--	3	5	6	--
16	--	2	3	--	6
25	--	--	2	4	6
35	--	--	--	3	5

## 1.6 Switch outlets and Junction Boxes

All outlet boxes for switches, sockets and other receptacles shall be of GI having smooth external and internal surfaces to true finish. All boxes shall have adequate number of knock out holes of required. Outlet boxes shall be of a maximum depth of 65 mm.

## 1.7 Fish Wire

Suitable galvanized steel fish wires of not less than 0.63mm dia shall be drawn in all conduits before they are embedded. Where conduit passes through expansion joints in the building, adequate expansion fitting shall be used to take care of any relative movement.

## 1.8 Conductors

All PVC insulated copper conductor flexible FRLS, ISI marked wires shall conform in all respects to Standards as listed under sub-head Regulations and Standards and shall be IS approved and ISI marked.

## 1.9 Bunching of Wires

Wires carrying current shall be so bunched that the outgoing and return wires are drawn into the same conduit. Wires originating from two different phases shall not run in the same conduit. All wires shall have ferrules for identification. Lighting, UPS power and raw power circuits shall be separate.

## 1.10 Drawing Conductors

The drawing and jointing of PVC insulated copper conductor wires shall be executed with due regard to the following precautions. While drawing wires through

conduits, care shall be taken to avoid scratches and kinks which may cause breakage of conductors. There shall be no sharp bends. Wire reel stands to be used for pulling of wires to avoid kinks.

Insulation shall be removed by insulation stripper only. Strands of wires shall not be cut for connecting terminals. The terminals shall have sufficient cross-sectional area to take all strands and connecting brass screws shall have flats ends. All looped joints shall be connected through terminal block/connectors. The pressure applied to tighten terminal screws shall be just adequate, neither too much nor too less. All light points shall be terminated through a connector.

Conductors having nominal cross-sectional areas exceeding 10 sq.mm shall always be provided with cable sockets. At all bolted terminals brass flat washer of large area and approved steel spring washer shall be used. Brass nuts and bolts shall be used for all connections.

All wires and cables shall bear the manufacturer's label and shall be brought to site in original packing for approval. For all internal wiring PVC insulated wires of 1100 volts grade shall be used. The sub-circuit wiring for point shall be carried out in loop system and no joints shall be allowed in the length of the conductors. No wire shall be drawn into any conduit until all work of any nature that may cause injury to wire is completed. Care shall be taken while pulling out the wires so that no damage occurs to conduits, /wire itself. The conduit shall be thoroughly cleaned of moisture, dust, dirt or any other obstruction. The minimum size of PVC insulated copper conductor wires for all sub-circuit wiring for light points shall be minimum 1.5 sq.mm copper Separate neutral to be pulled for each circuit.

#### 1.11 Joints

All joints shall be made at main switches, distribution boards. socket outlets, lighting outlets and switches boxes only. No joints shall be made in conduit and in junction boxes. Conductors shall be continuous from outlet to inlet.

#### 1.12 Mains and Sub-Mains

Mains and sub-mains cable or wires where called for shall be of the rated capacity FRLS XLPE ISI marked and approved make. Every main and sub main wires shall be drawn into an independent adequate size conduit. Earthing shall be in conformity with relevant IS codes. An independent earth wire of the proper rating shall be

provided for every single phase sub- main. For every 3 -phase sub-main, 2 Nos. earth wires of proper rating shall be provided along with the sub-main. Where mains and sub-mains cables are connected to switchgear, sufficient extra lengths of cable shall be provided to facilitate easy connections and maintenance. **Total load on a 2.5 sq mm submains (including light points, ceiling fan points, exhaust fan points & 6 A plug points) shall not exceed 800 W.**

#### 1.12 Load Balancing

Balancing of circuits in three phase installations shall be as planned by the Architect and shall be checked by the Tenderer before the commencement of wiring and shall be strictly adhered to.

#### 1.13 Colour Code of Conductors

Colour code shall be maintained as indicated by the Architect for the entire wiring installations. Red, yellow, blue shall be for three phases, black for neutral and green with yellow band shall be for earthing.

### **2. SWITCHES, RECEPTACLES (MODULAR), LIGHTING FIXTURES & LIGHTING CONTROL EQUIPMENT:**

The colour of the switch, socket and all other accessories including light fittings shall be made available to Bank's Engineer / architect for approval before execution of work.

#### 2.1 Switches

All switches shall be enclosed type flush mounted, ISI marked suitable for 240 volts AC. All switches shall be fixed inside the switch boxes leaving ample space at the back and sides for accommodating wires. Switch controlling the light point shall be connected to the phase wire of the circuit and not more than ten lights shall be connected on one circuit and load shall be restricted to 800 watts. Perfect alignment shall be maintained while fixing of the back boxes.

#### 2.2 Wall Socket Outlet

Wall socket outlets shall be of the three pin ISI marked and shall be shuttered type. The switch controlling the socket outlet shall be on the phase wire of the circuit and not more than two socket outlets of 16 amps shall be connected on one circuit. An earth wire shall be provided along with the circuit wires and shall be connected

to earthing screw inside the box. The earth terminal of the socket shall be connected to the earth terminal provided inside the box.

- a. Every socket outlet shall be controlled by an individual switch unless mentioned otherwise.
- b. The switch controlling the socket outlet shall be on the 'Live' side of the line.
- c. 6 amps and 16 amps socket outlet shall normally be fixed at any convenient height above the floor level as desired by the Architect. The switch for 6 and 16 amps, socket outlet shall be kept along with the socket outlet. However, in special case, if desired by the Architect the 6 amp. Socket outlet can be placed at the normal switch level. 16 amps socket outlet in the pantry shall be fixed at any convenient height above working platform or as specified in drawings / schedule of equipment.
- d. Where socket outlets are placed at lower level, they shall be enclosed in a suitable metallic box with the system of wiring adopted or shutter type sockets shall be provided as specified.
- e. In an earthed system of supply, a socket outlet and plug shall be of three pin type, the third terminal shall be connected to earth.
- f. Conductors connecting electrical appliance with socket outlet shall be flexible twin cord with an earthing cord which shall be secured by connecting between the earth terminal of plug and the metallic body of the electrical appliance.
- g. No more than 2 nos. 16 A plug points and 05 nos. 6 A plug points shall be provided on one circuit of 3 x 4 sq mm.

### **3. LIGHT/ BELL/ FAN/ EXHAUST FAN POINT WIRING**

- a) Circuit sub-mains for lighting switchboards: Lighting circuit wiring from DB to first switch board with 2 x 2.5 sq mm PVC insulated copper conductor along with one run of 1.5 sq mm PVC insulated copper earth wire (to be run on the wall/ cabin partition/ ceiling etc.), identification ferrules at either ends complete in all respect as per standard specifications and relevant drawings. The wiring shall be carried out in concealed manner in walls and in surface manner on ceiling & columns using MMS grade FRLS PVC conduits of approved make with saddles with bases

and complete with all accessories as required. **(Cost of drawing circuit mains, switches and modular plates for light/ fan/ exhaust points is included in the cost of primary light points (Tender item no. 11). No separate measurement/ payment shall be carried out for PVC conduits, circuit mains, switches for light points and modular plates). Under no circumstances, shall load on any lighting circuit shall exceed 800 Watts.**

- b) Primary Light point i.e. one light controlled by one switch or first light in the group in which more than one lights are controlled by one switch. The scope involves wiring using 3x1.5 sq mm 600 V PVC FRLS multistrand copper wires running in concealed manner on walls and in surface manner on ceiling & columns using FRLS PVS MMS conduit including PVC boxes, saddles, couplers, bends & tees from lighting switch board to the light point and shall be terminated in surface mounted PVC ceiling rose/ connector/ holder on PVC boxes in surface, together with wiring accessories such as 6A modular type switches, sockets in modular front plates and GI boxes of suitable size. **(No separate measurement/ payment for wiring or conduits or switching accessories shall be carried out)**
- c) Secondary Light Point looped from nearby primary light point by using 3x1.5 sq mm 600 V PVC FRLS multistrand copper wiring from a primary/ secondary light point in FRLS MMS PVC conduit to the location of the light point and shall be terminated in surface mounted PVC ceiling rose/ connector/ holder on PVC boxes. **(No separate measurement/ payment for wiring or conduits or accessories shall be carried out).**
- d) Plug Point on Lighting switchboard or looped from nearby lighting/ power circuit switchboard using 3x2.5 sqmm copper FRLS wire. Wherever an independent half plug point is looped from nearby switchboard, cost of modular plate and wiring using 3 x 1.5 sqmm copper wiring in PVC conduit shall be included in the rate quoted for the corresponding item of the tender. No separate measurement/ payment shall be made towards the same.
- e) Fan point wiring i.e. one fan controlled by one switch and one regulator. The scope involves wiring using 3x1.5 sq mm 600 V PVC FRLS multistrand copper wires running in concealed manner on walls and in surface manner on ceiling & columns

using FRLS PVS MMS conduit including PVC boxes, saddles, couplers, bends & tees from lighting switch board to the fan point and shall be terminated in surface mounted PVC ceiling rose on PVC boxes in surface, together with wiring accessories such as 6A modular type switches and 2 module fan regulator of minimum 120 W. **(No separate measurement/ payment for wiring or conduits or switching accessories shall be carried out).**

#### **4. ELECTRICAL PCC PANEL**

The electric panel for PCC panel shall be factory assembled, floor mounted on new duly painted MS angle frame stand minimum angle size 50 mm X 50 mm X 6 mm, totally enclosed cubicle compartmental type, dead front design. The degree of protection of the enclosure shall be **IP 50**. The unit shall comprise of pressed CRCA (Cold rolled cold annealed) sheet steel and the thickness of all load bearing members, non-load bearing members, doors and side panels being not less than **1.6 mm**. Operating height of devices in the panel shall not be less than **300 mm** or beyond **2000 mm**. Neoprene/special rubber gaskets shall be provided in all mating metallic joints to make enclosure dust proof. Ventilation openings shall have wire mesh screen to limit the ingress of dust. Minimum two nos. of ventilating fans shall be provided in cable compartment with MCB protection.

Separate bus bar compartment shall be provided for housing three phase and neutral electrolytic grade 200 Amp current rating copper bus bars conforming to IS:5082 and mounted on fiber reinforced plastic support insulators. The temperature rise of bus bars shall be limited to 50° Celsius over an ambient of 50° Celsius while carrying rated current and the bus bar support insulators shall have adequate creepage distance and anti-tracking properties with bus bars mounted flexibly to enable expansion/ contraction without strain on the insulators. The bus bars shall be insulated with hot shrinkable PVC sleeve and shall be colour coded. The internal control wiring shall be with 1100V grade multi stranded copper conductor PVC insulated (colour coded i.e. red for phase, black for neutral and green for earthing) having minimum size of 1.5 sq.mm for potential circuits and 2.5 Sq mm for current circuits with well ferruled.

There shall be separate compartment for incoming SFU, metering, busbar, each feeder, and outgoing cable connector to accommodate its switchgears and other accessories stated in the layout. Extra knockouts other than for incoming cable,

outgoing cables and control cables of each starter shall be provided in the detachable side/top gland plate for future cables.

Identification labels shall be provided for all control devices and other components. Identification label shall also be provided for each compartment and panel of the switchboard. The labels shall be of durable metal type with lettering etched/engraved in a legible manner and fixed in a readily visible location.

Panel shall be painted with two coats of primer and duly powder coated of Siemens grey colour. One set of **Danger plates/stickers (in Hindi and English language)** and legends shall be provided at incomer and each outgoing and earthing terminal. Panel shall be installed on duly painted MS angle frame.

#### Incoming power supply compartment

The incoming power supply compartment should have one no. of 4 pole 125 Amp, 50 kA breaking capacity MCCB in open execution with spreader links and phase separators.

#### Metering compartment

It consist of one no. of panel type ventilation fan of minimum 6" sweep, one no. Digital Multifunction meter (Model A, Class 1.0, without RS485 port), 3 Nos of tape wound 200/5 Amp CT (current transformer), 3 Nos of LED indicating lamp with 2 Amp C series 10 KA capacity SPMCB mounted on din rail, one no. of copper wound adequate capacity 415/240 volt control transformer, if required, with adequate rating DPMCB mounted on din rail on its incoming and outgoing. The internal control wiring shall be with 1100V grade multistranded copper conductor PVC FRLS insulated wires (colour coded i.e. red/ yellow/ blue for phase, black for neutral and green for earthing) having minimum size of 1.5 sq.mm for potential circuits and 2.5 Sq mm for current circuits with alphabet and numbered ferule.

#### Connector compartments

Each connector compartment shall consist of required mounting plate/ channel with adequate nos. of connectors of suitable ratings for termination of cables.

## **5. ARMoured POWER CABLES & THEIR TERMINATIONS**

- a) The scope includes supply and laying of approved make 1100 V grade armoured power cables with FRLS PVC/ XLPE insulation as per Schedule of Quantities. The

cables shall be made to run in concealed/ surface manner on walls and ceiling using GI saddles as directed by Bank's Engineer. The termination of these cables shall be carried out using approved make and adequately sized glands and copper/ aluminium lugs. Each cable shall laid with 2runs of 8 swg GI earth wire for its entire length. No separate measurements for quantities of earth wire and cable accessories shall be done.

## **6. LIGHT & FAN FIXTURES**

Light fixtures samples with all technical details shall be brought to the site to obtain approval from Bank's Engineer / Architect before execution of the work.

The light fixtures shall be Company manufactured and installed in position complete and ready for service, in accordance with details, drawings, manufacturer's instructions and to the satisfaction of the Bank's Engineer. Fittings shall be designed for continuous trouble-free operation under atmospheric conditions without reduction in lamp life or without deterioration of materials and internal wiring.

### **6.1 Scope**

Scope of work under this section shall include delivery of the required light fixtures with details catalogue at site for approval and after getting approval from Architect, Bank Engineer delivery of the fixtures at site, receiving at site, safe storage, transportation from point of storage to point of erection and commissioning of light fittings, fixtures and accessories including all necessary supports, brackets, down rods and painting etc. as required.

This specification covers supply (the design, supply engineering, manufacturing, constructional features, inspection, packing, transportation delivery) of Lighting Emitting Diode (LED) lighting fixture as approved by Bank's Engineer with lamp required at various areas. Scope also cover site storage supervision of erection & commissioning of lighting fixtures with all accessories, complete in all respects as directed by Bank's Engineer / Architect.

Whether called for specifically or not all accessories required for normal operation of equipment are deemed to be considered as part of contractor's scope of supply.



It is not intent to specify completely herein, all details of design and construction of the equipment. However, the equipment shall in all respects comply to standards of engineering, design, workmanship and be capable of performing continuous commercial operation in a manner acceptable to the Bank's Engineer/ Architecture who will interpret the meaning of drawing and specification shall be entitled to reject any work or material which in his judgment is not in full accordance therewith.

The scope of work also includes performance criteria for energy efficient LED luminaire complete with all accessories like LED modules, driver, heat sink for thermal management, dimmable drivers and optic assembly. LED lamps shall comprise of suitable current control driver circuit including mounting arrangement for indoor applications.

## 6.2 Codes & Standards

The design, engineering, material, construction, manufacture, inspection, testing and performance of Lighting fixtures shall comply with all currently applicable statutes, standards, regulations and safety codes in the locality where the equipment will be installed. Nothing in this specification shall be construed to relieve the contractor of his responsibility. Where no standards are available, the supply items shall be of good quality, workmanship and backed by test results. **Tenderer shall submit LM 79 & LM 80 certificates from manufacture along with supply of LED fittings.**

Lighting fixtures shall conform to the latest applicable standards and codes of practice. In case of conflict between the standards and this specification, requirements of following specifications shall govern.

Sr.No.	Parameter	Bank's Requirement
<b>A</b>	<b>36 W (2' X 2') diffused square LED fixture with thin bezels (Tender Item No. 19)</b>	
1	Make	Approved make
2	Input Voltage/ Frequency	240 V/ 50 Hz
3	Luminaire efficacy	≥110 Lumen/ Watt
4	Input Power consumption	36 W
5	Lumen Output	≥3,900 Lumen

6	Power factor	≥0.90
7	Total Harmonic Distortion	≤10%
8	Ingress Protection	Min IP20
9	Colour Temperature	6000 ± 500 K
10	Dimensions (Whether suitable for fixing in false ceiling of (595±5mm x 595±5 mm))	Yes
11	Warranty	2 years
12	Material of fixture housing	CRCA
<b>B</b>	<b>Min. 16.5 W LED downlighter (Tender item no. 20)</b>	
13	Make	Approved make
14	Input Voltage/ Frequency	240 V/ 50 Hz
15	Luminaire efficacy	≥100 Lumen/ Watt
16	Input Power consumption	Min. 16.5 W
17	Lumen Output	≥1,950 Lumen
18	Power factor	≥0.90
19	Total Harmonic Distortion	≤10%
20	Ingress Protection	Min IP20
21	Colour Temperature	6000 ± 500 K
22	Warranty	2 years
23	Material of fixture housing	Die Cast Aluminium
<b>C</b>	<b>20 W (min. 1100 mm long) LED fixture (Tender item no. 18)</b>	
24	Make	Approved make
25	Input Voltage/ Frequency	240 V/ 50 Hz
26	Luminaire efficacy	≥100 Lumen/ Watt
27	Input Power consumption	≤20 W
28	Lumen Output	≥2,000 Lumen
29	Power factor	≥0.90
30	Total Harmonic Distortion	≤10%
31	Ingress Protection	Min IP20
32	Colour Temperature	6000 ± 500 K
33	Dimensions	1100 – 1200 mm
34	Warranty	As per OEM (Minimum 1 year)

<b>D</b>	<b>BLDC ceiling fan (Tender item no. 24)</b>	
35	Make	Approved make
36	Sweep	1200 mm
37	No. of blades	3
38	Compatibility with remote/ regulator	ONLY regulator
39	Power consumption	≤35 W
40	Air Delivery	≥220 cmm
41	Speed	≥350 rpm
42	Service Value	≥6.00
43	Insulation Class	B
44	Total Harmonic Distortion	≤10%
45	Standard Accessories	Motor, down rod, shackle kit, safety wire, a pair of canopies
46	Warranty	As per OEM (Min. 1 year)

## 7. LIGHT FIXTURE INSTALLATION

- a) 600 mm x 600 mm (33-36 W) LED fixtures shall be installed in existing false ceiling including connection using required 3Cx1 sq mm flexible cable (in flexible PVC conduits) from ceiling rose installed above the false ceiling and connecting it to the fixture using 3-way PVC connector, if required.
- b) Downlighter LED fixture in existing false ceiling including connection using required 3Cx1 sq mm flexible cable (in flexible PVC conduits) from ceiling rose installed above the false ceiling and connecting it to the fixture using PVC connector, if required. The scope involves making cut-out in existing false ceiling for installation of light fixture.

## 8. ANALOGUE ADDRESSABLE FIRE ALARM

Scope of work

Carefully removing the existing Fire alarm devices such as detectors, hooters, response indicators, Manual call points and cabling etc. and installation of new fire alarm system components viz. detectors, hooters, manual call points and allied cabling with accessories and subassemblies as per Items listed in BoQ. The components supplied should be compatible with existing fire alarm system (Honeywell Notifier based) in the office building.

## SECTION- VI

### LAYOUT DRAWINGS



#### GENERAL NOTES

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7. Supervision if specifically asked would be provided but responsibility regarding correct & sound Construction shall solely rest with Contractor/Builder.
8. All relevant supplies to be approved by architect prior to procurement.

#### PROJECT TITLE

RENOVATION OF THE GROUND FLOOR FOR STAFF CANTINE AND OFFICERS' LOUNGE AT RBI ANNEXE BUILDING (CANTINE BLOCK), AT SECTOR -17, CHANDIGARH

#### CLIENT

RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH

#### ARCHITECTS

A.T. TECHNOLEGAL COMBINE PRIVATE LIMITED

MOBILE: +91-9969717258, +91-9285110902  
E-MAIL: ATTLCP@gmail.com

#### DRAWING TITLE

FLOOR PLAN LAYOUT

ATT/2024/RBI/CHAND/FA-20

TENDER DRAWING

#### REVISION NOTES

DATE	REVISION REMARKS	SKD

DATE: 08-01-2025

SCALE: NTS

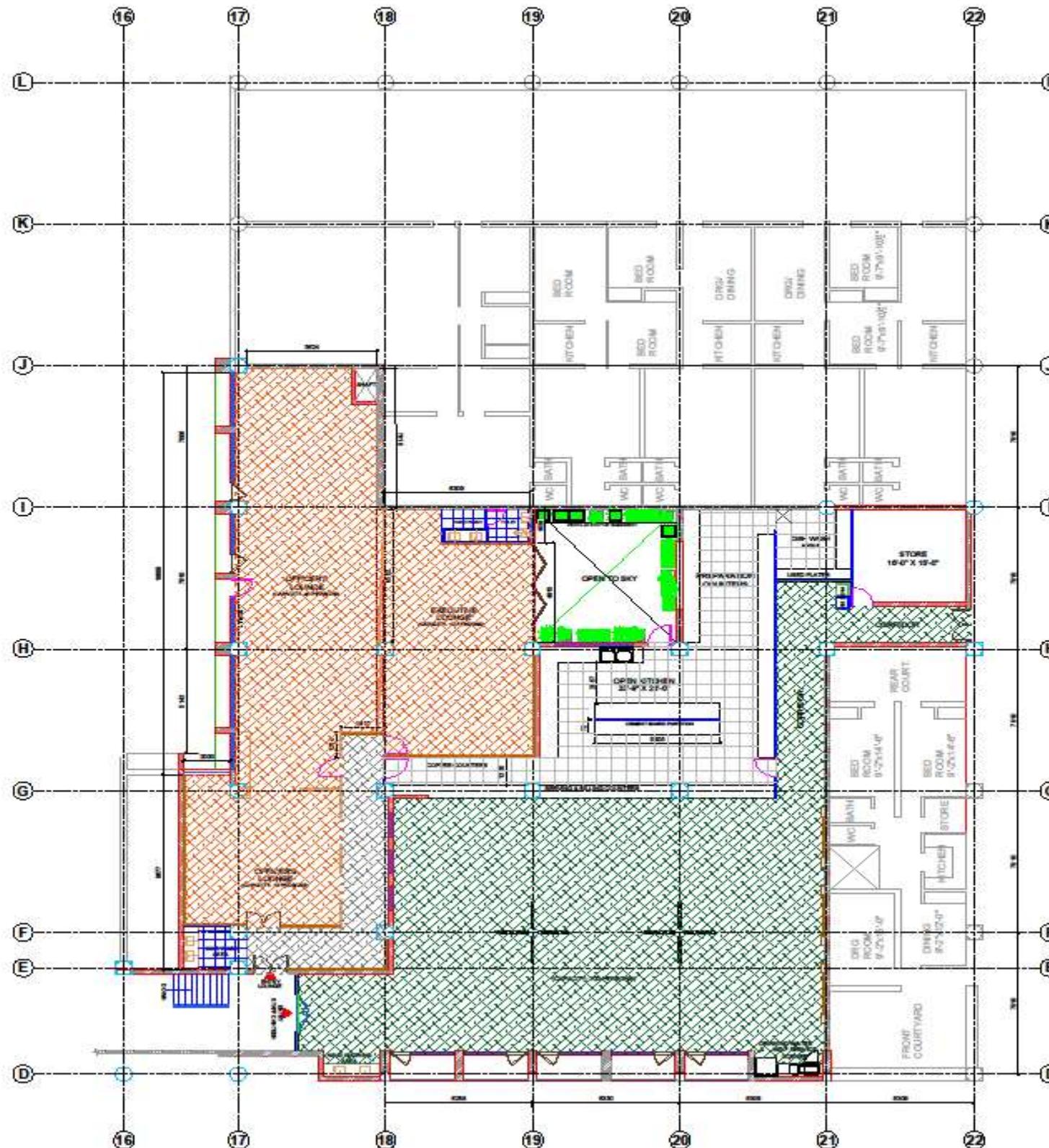
DRAWN BY: GARGA

CHECKED BY: TAPAN GOYAL

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#### LEGEND

	DHOOLPUR GREEN FLOORING
	WOODEN FLOORING
	WOODEN FLOORING
	KOTA STONE FLOORING
	VITRIFIED TILE FLOORING

#### PROJECT TITLE

RENOVATION OF THE GROUND FLOOR FOR STAFF CANTEN AND OFFICERS' LOUNGE AT RBI ANNEXE BUILDING (CANTEN BLOCK), AT SECTOR -17, CHANDIGARH

#### CLIENT

RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH

#### ARCHITECTS

**A.T. TECHNOLEGAL COMBINE PRIVATE LIMITED**

MOBILE: +91-9999717358, +91-9281109902  
E-MAIL: ATTLCP1@GMAIL.COM

#### DRAWING TITLE

FLOOR PLAN FLOORING DETAILS

ATT/2024/RBI/CHAND/TD-13

TENDER DRAWING

#### REVISION NOTES

DATE	REVISION REMARKS	SIGN
21-09-2024	R1 - Changes as per discussion with Client	Client
05-10-2024	R2 - Changes as per discussion with client	Client

DATE: 05-10-2024

SCALE: NTS

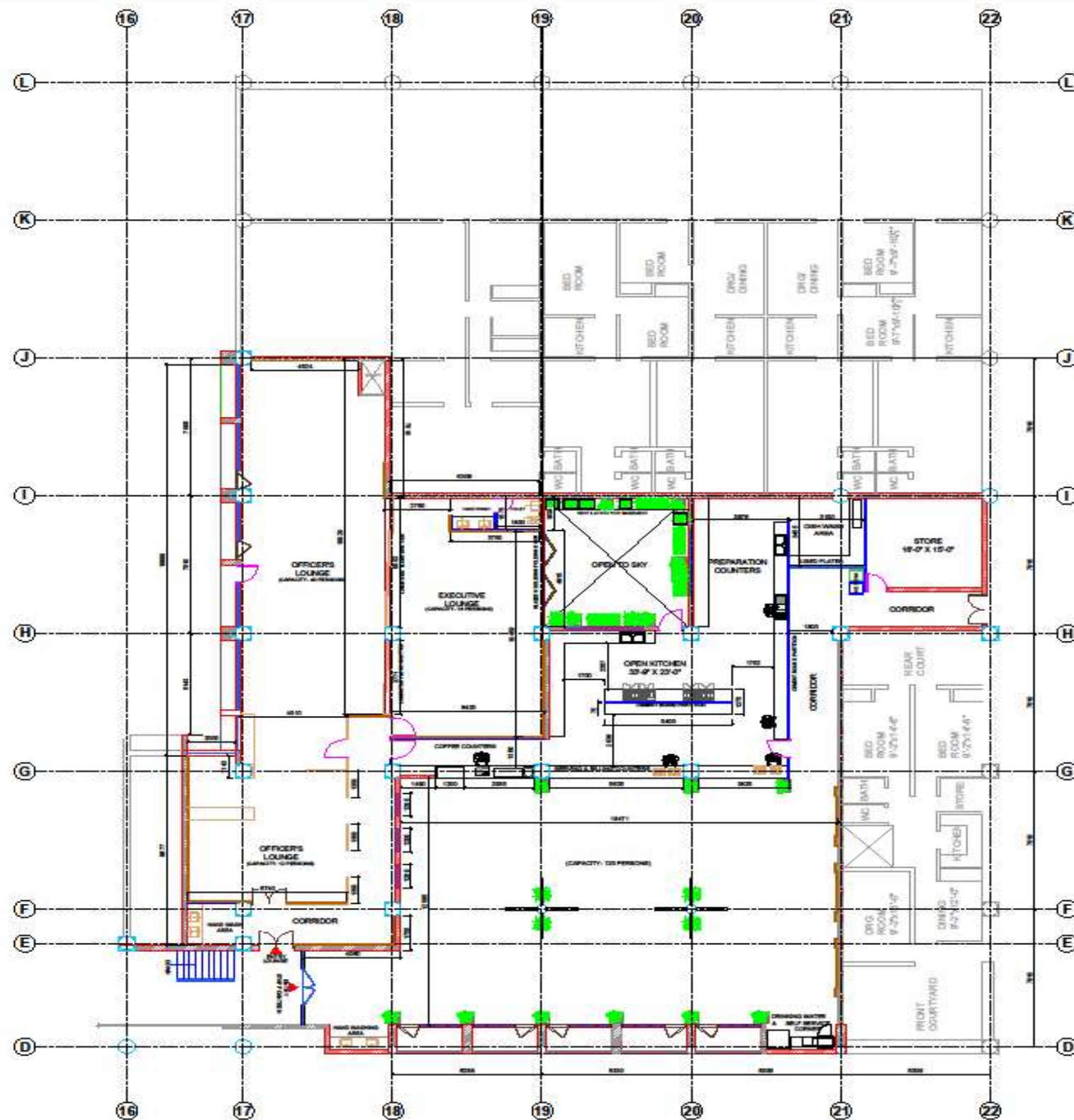
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(CANTEN BLOCK), AT SECTOR -17,  
CHANDIGARH

#### CLIENT

RESERVE BANK OF INDIA, ESTATE  
DEPARTMENT, CHANDIGARH

#### ARCHITECTS

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E-MAIL: ATTLCPL@GMAIL.COM

#### DRAWING TITLE

LAYOUT PLAN

ATT/2024/RBI/CHAND/TD-01

TENDER DRAWING

#### REVISION NOTES

DATE	REVISION REMARKS	SKN
21-09-2024	R1 - Changes as per discussion with Client	Client
05-10-2024	R2 - Changes as per discussion with client	Client

DATE: 05-10-2024

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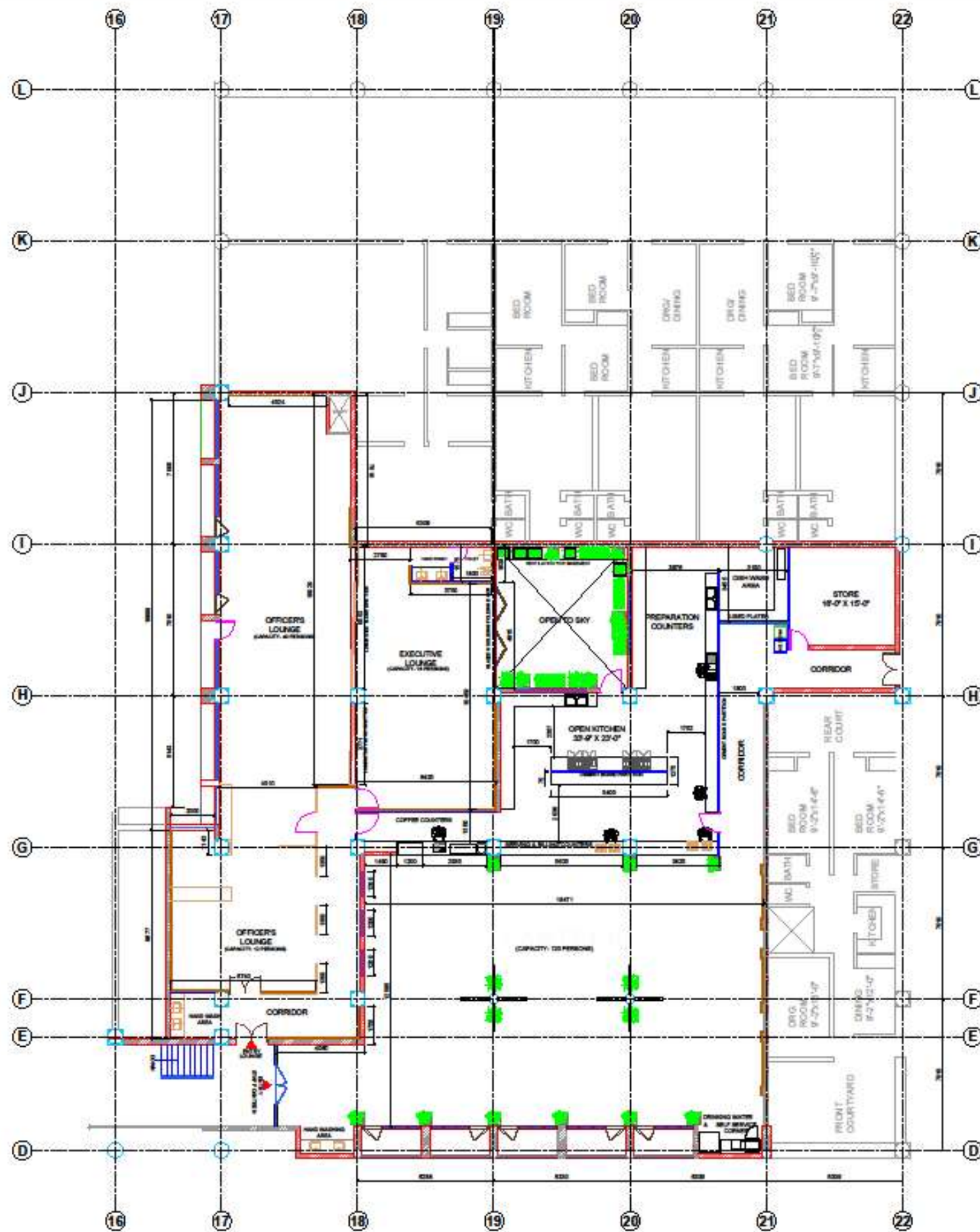
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CLIENT

**RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH**

ARCHITECTS

**A.T. TECHNOLEGAL COMBINE PRIVATE LIMITED**

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DRAWING TITLE

**LAYOUT PLAN**

**ATT/2024/RBI/CHAND/TD-01**

**TENDER DRAWING**

REVISION NOTES		
DATE	REVISION REMARKS	SIGN
21-09-2024	R1 - Changes as per discussion with Client	Client
05-10-2024	R2 - Changes as per discussion with client	Client

DATE	05-10-2024
SCALE	NTS
DRAWN BY	GABIMA
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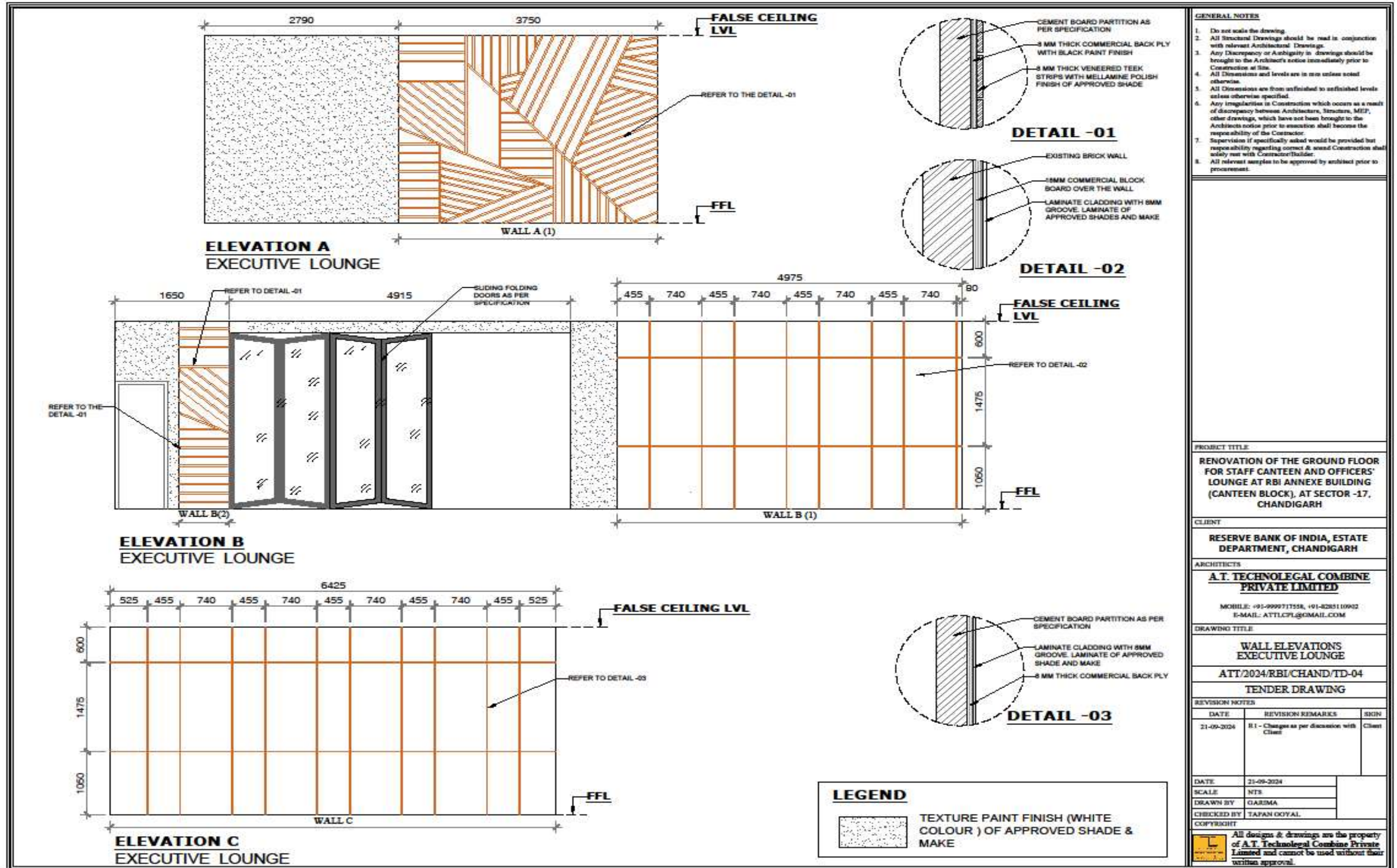
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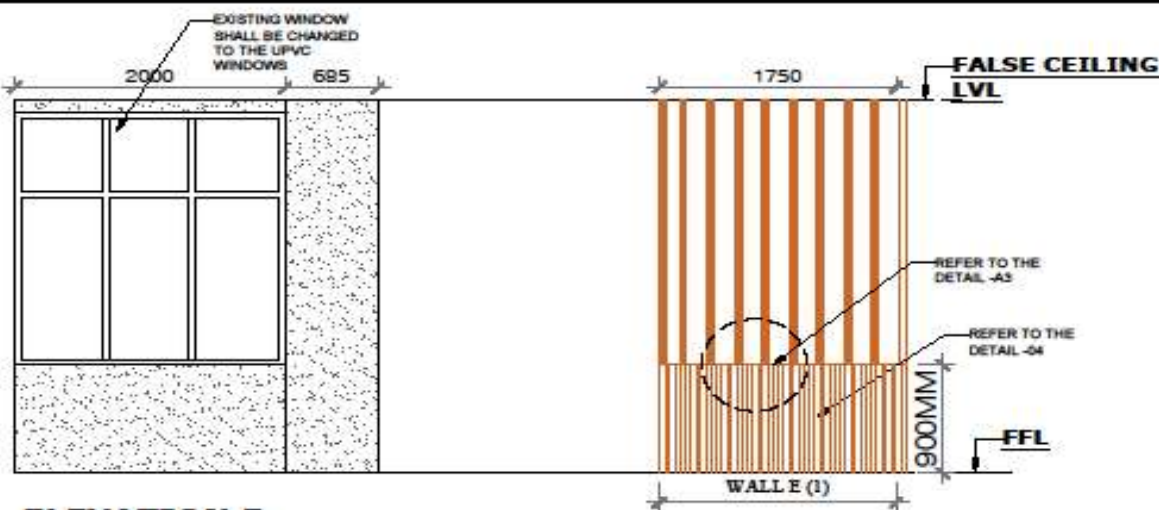




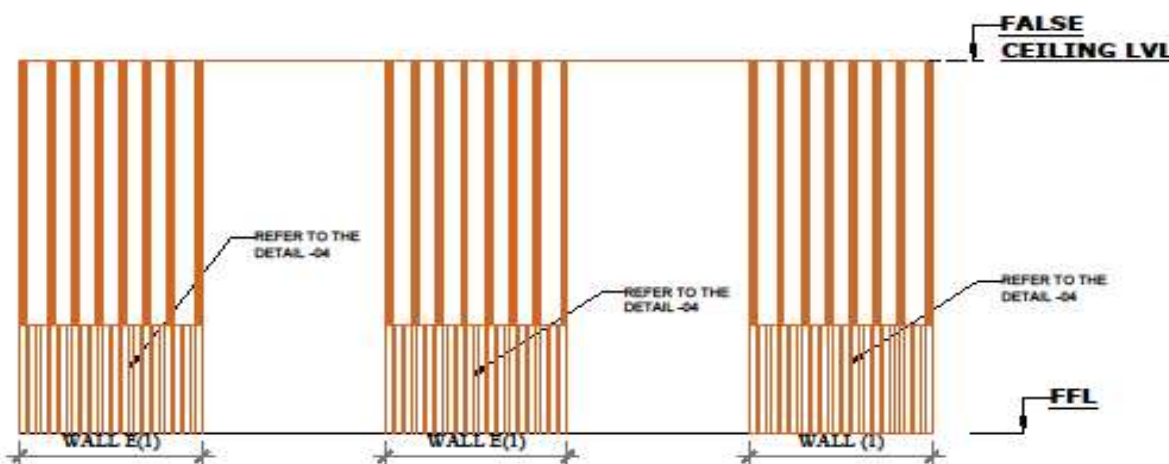
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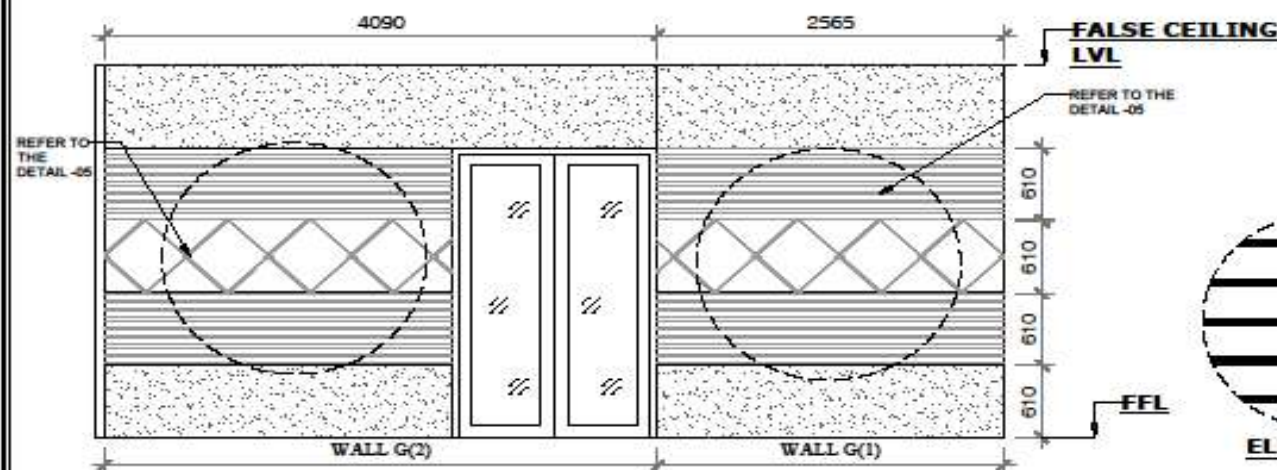




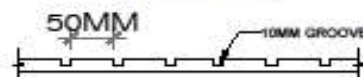
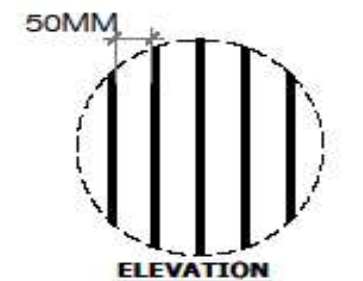
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OFFICERS LOUNGE



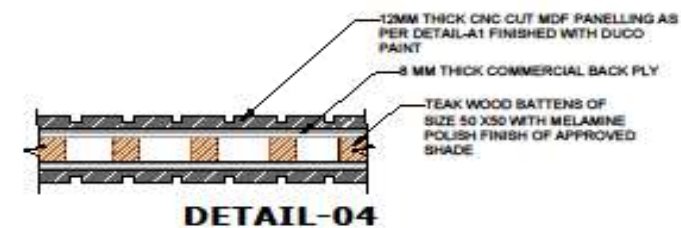
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OFFICERS LOUNGE



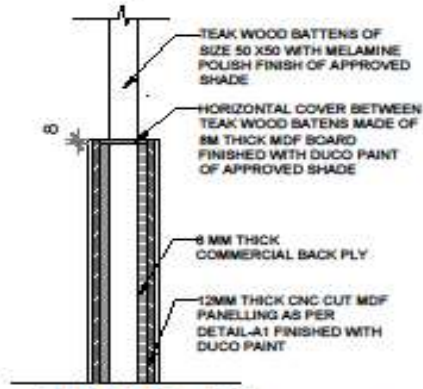
**ELEVATION G**  
OFFICERS LOUNGE



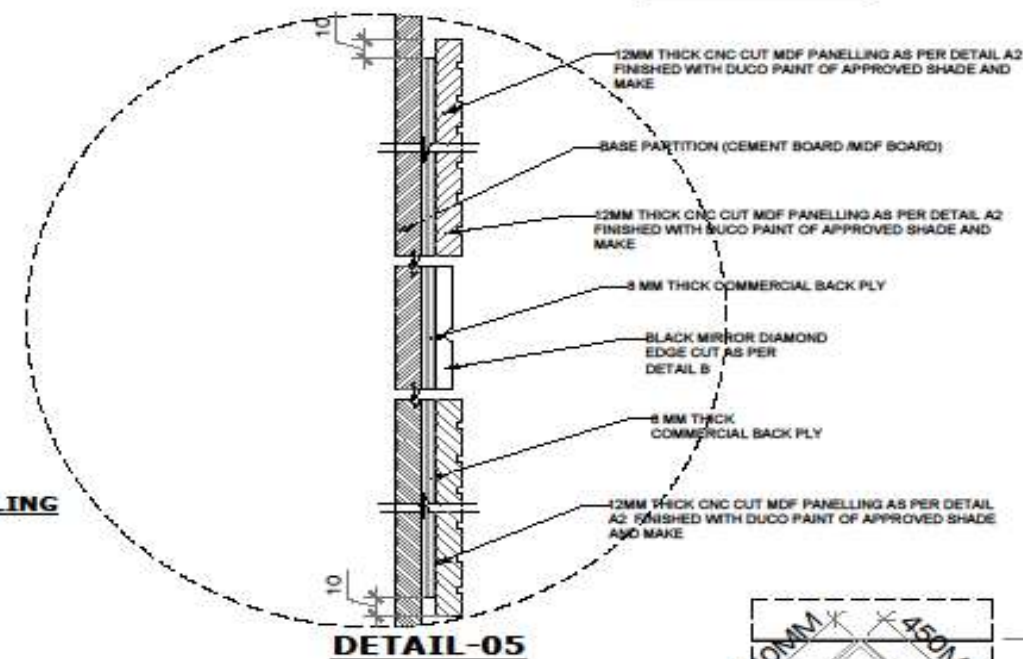
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12MM THICK CNC CUT MDF PANELLING DETAIL



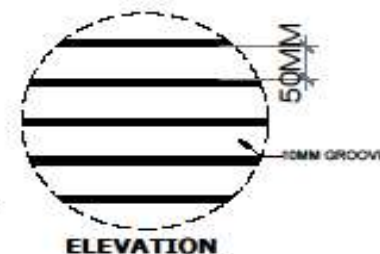
**DETAIL -04**



**DETAIL -A3** SECTION



**DETAIL -05**



**DETAIL -A2**  
12MM THICK CNC CUT MDF PANELLING DETAIL



**DETAIL -B**  
BLACK MIRROR WITH  
DIAMOND CUT EDGE

**LEGEND**

TEXTURE PAINT FINISH (WHITE COLOUR ) OF APPROVED SHADE & MAKE

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**ARCHITECTS**

**A.T. TECHNOLOGICAL COMBINE  
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**DRAWING TITLE**

WALL ELEVATIONS  
OFFICERS LOUNGE-01  
ATT/2024/RBI/CHAND/TD-05

**TENDER DRAWING**

**REVISION NOTES**

DATE	REVISION REMARKS	SOON
21-09-2024	R1 - Changes as per discussion with Client	Client

DATE: 21-09-2024

SCALE: NTS

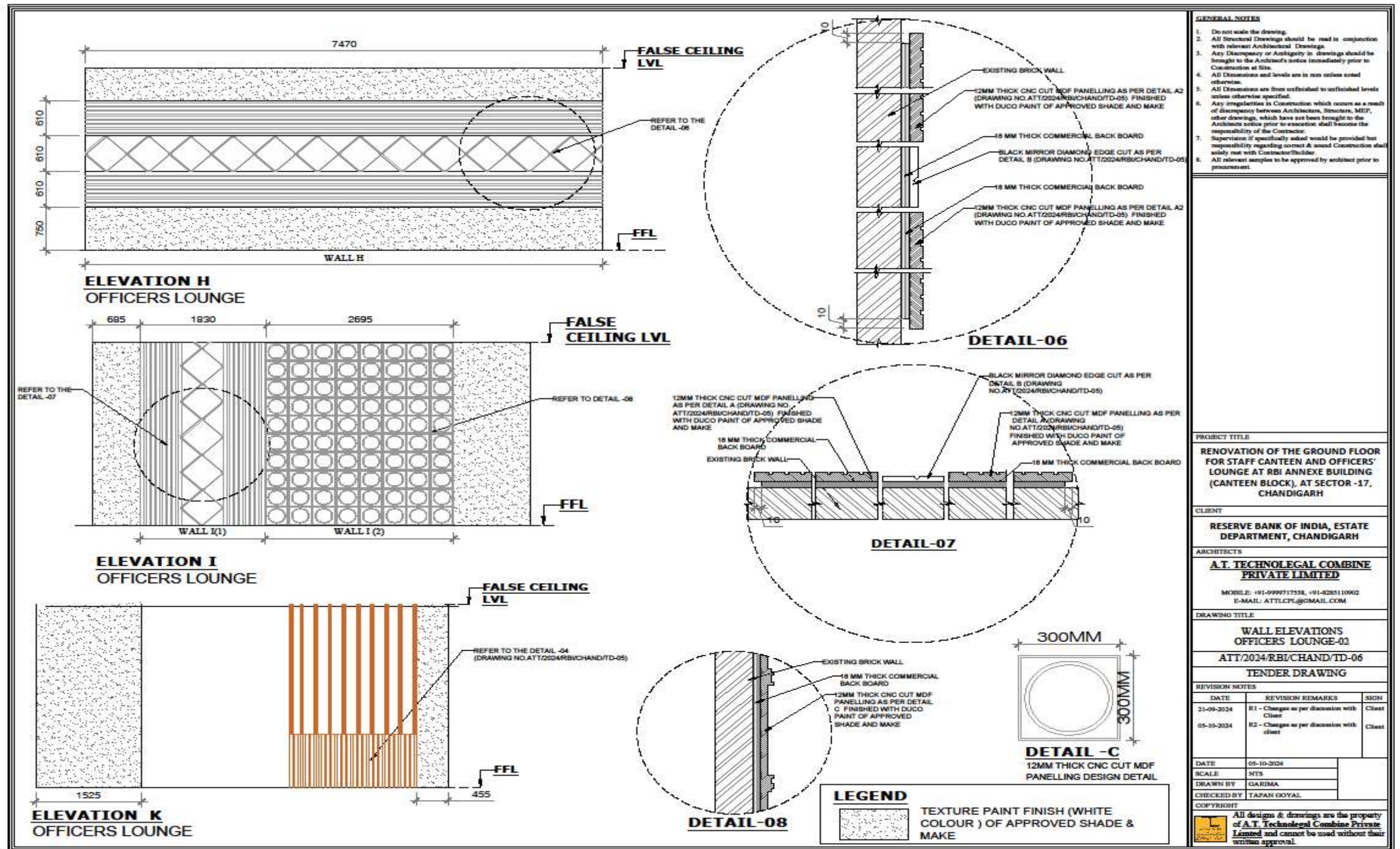
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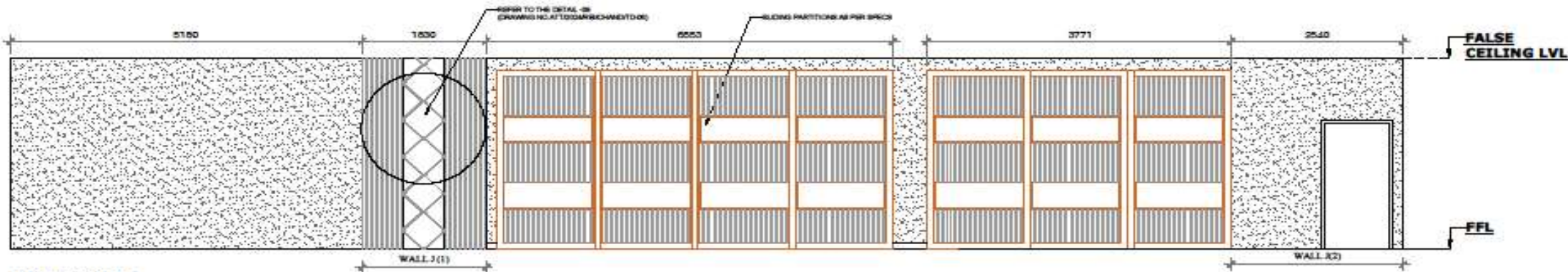
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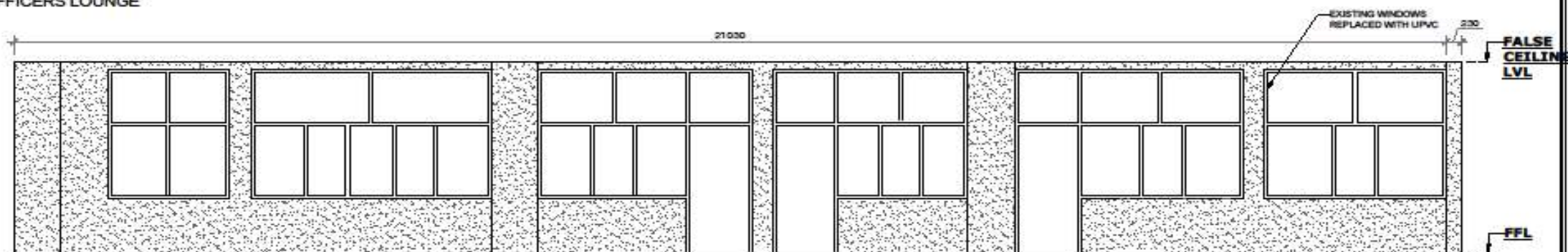




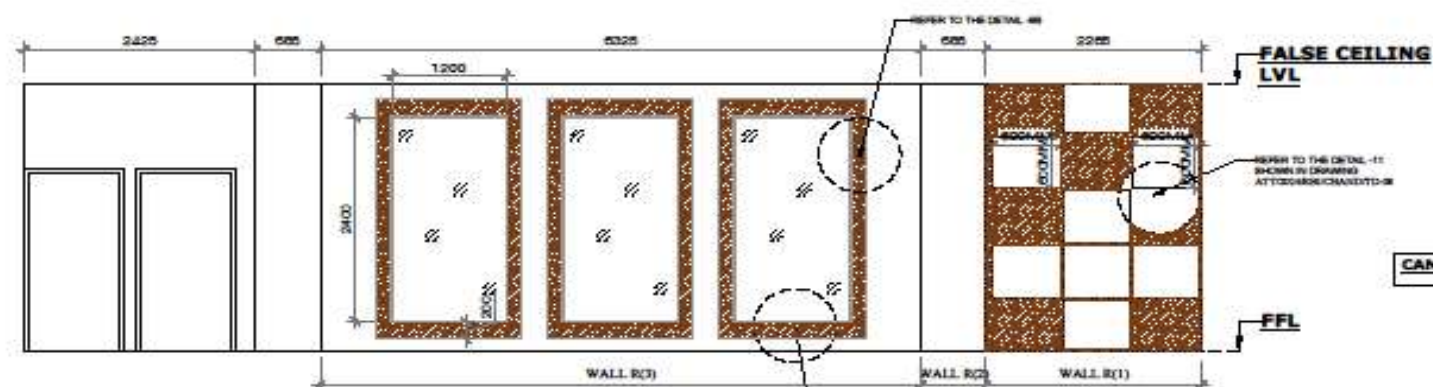




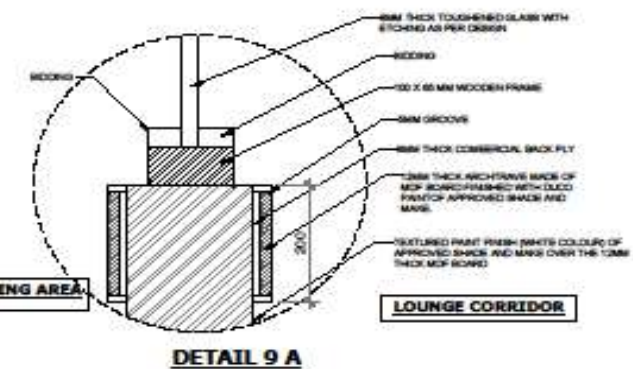
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OFFICERS LOUNGE



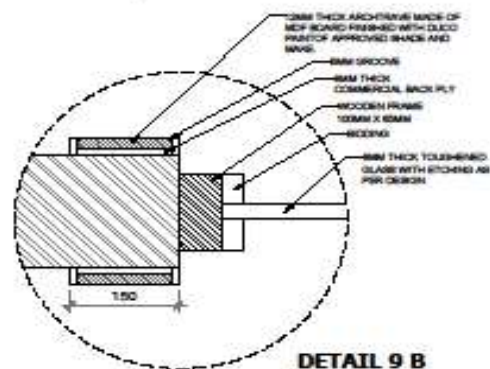
**ELEVATION L**  
OFFICERS LOUNGE



**ELEVATION R**  
CORRIDOR



**DETAIL 9 A**



**DETAIL 9 B**

**LEGEND**

TEXTURE PAINT FINISH (WHITE COLOUR) OF APPROVED SHADE & MAKE

**GENERAL NOTES**

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3. Any Discrepancy or Ambiguity in drawings should be brought to the Architect's notice immediately prior to Construction at site.
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7. Supervision if specifically asked would be provided but responsibility regarding correct & sound Construction shall solely rest with Contractor/Builder.
8. All relevant samples to be approved by architect prior to procurement.

**PROJECT TITLE**

RENOVATION OF THE GROUND FLOOR  
FOR STAFF CANTEN AND OFFICERS'  
LOUNGE AT RBI ANNEXE BUILDING  
(CANTEN BLOCK), AT SECTOR -17,  
CHANDIGARH

**CLIENT**

RESERVE BANK OF INDIA, ESTATE  
DEPARTMENT, CHANDIGARH

**ARCHITECTS**

**A.T. TECHNOLEGAL COMBINE  
PRIVATE LIMITED**

MOBILE: +91-9999777558, +91-9285110902  
E-MAIL: ATTCLPL@gmail.com

**DRAWING TITLE**

WALL ELEVATIONS  
OFFICERS LOUNGE & CORRIDOR

ATT/2024/RBI/CHAND/TD-07

**TENDER DRAWING**

**REVISION NOTES**

DATE	REVISION REMARKS	SIGN
21-09-2024	R1 - Changes as per discussion with Client	Client
05-10-2024	R2 - Changes as per discussion with client	Client

DATE: 05-10-2024

SCALE: NTS

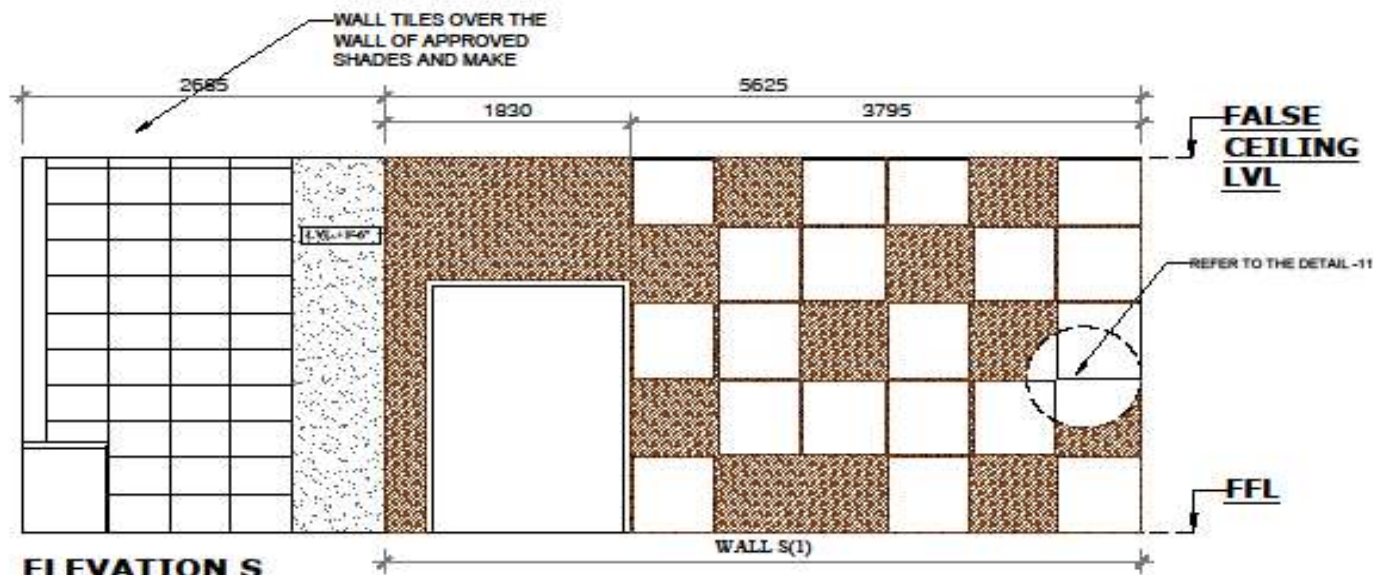
DRAWN BY: GARIMA

CHECKED BY: TAPAN GOYAL

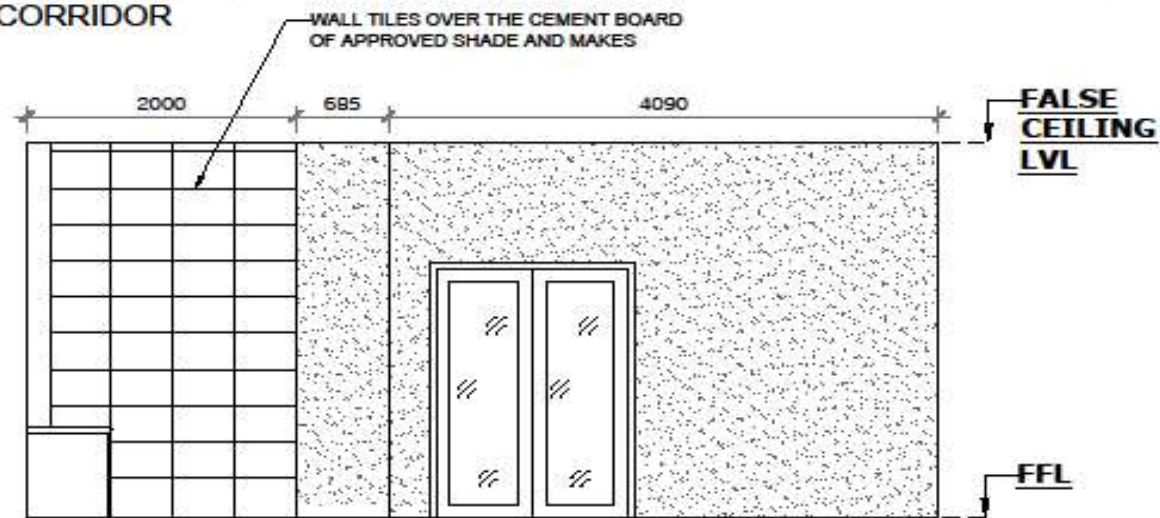
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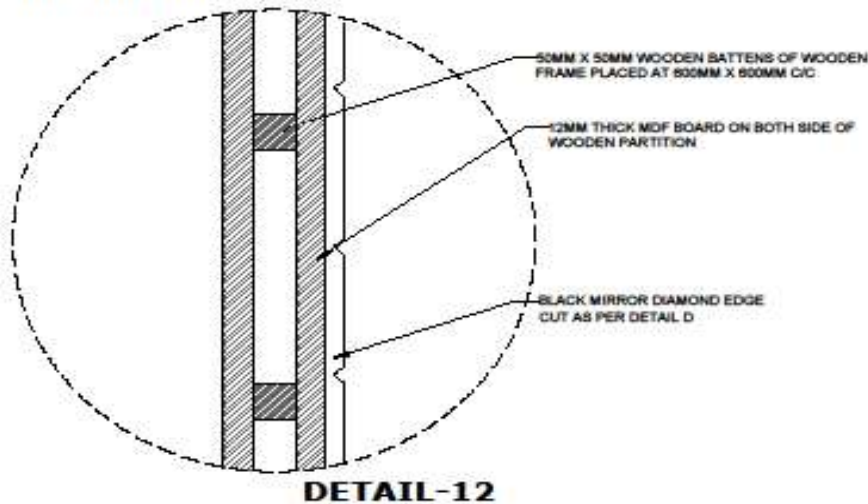




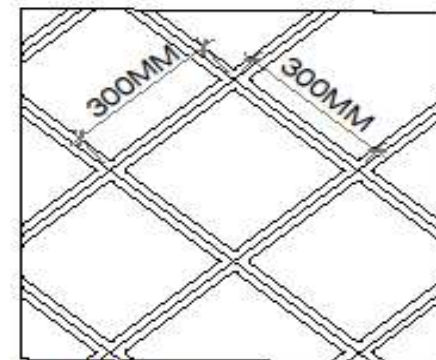
**ELEVATION S**  
CORRIDOR



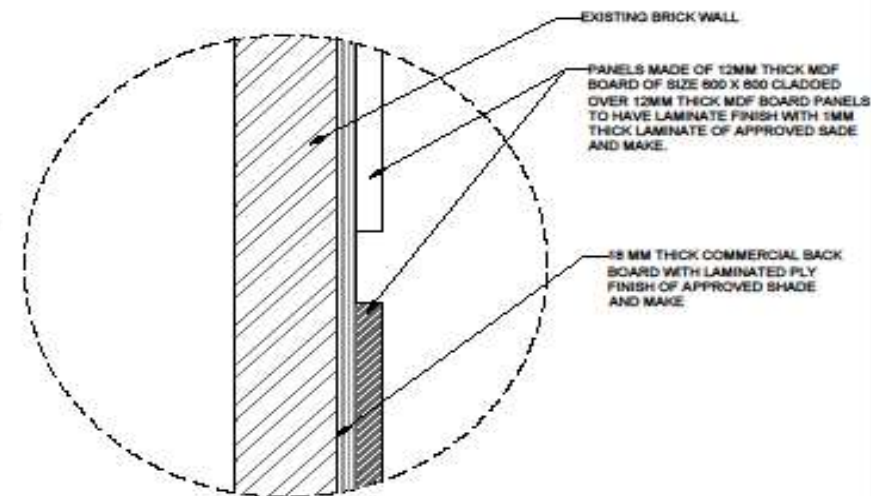
**ELEVATION T**  
CORRIDOR



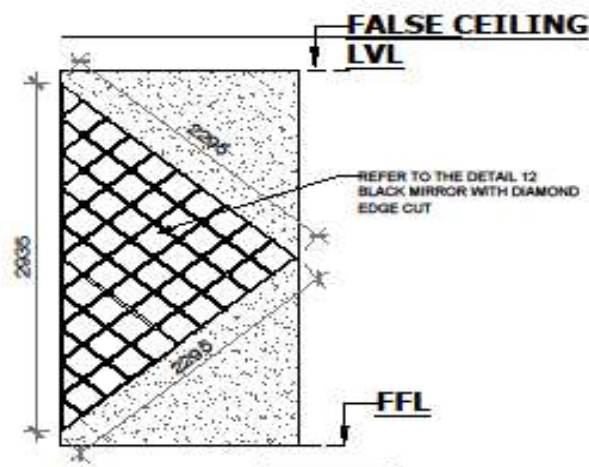
**DETAIL-12**



**DETAIL -D**  
BLACK MIRROR WITH DIAMONT CUT EDGE

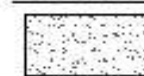


**DETAIL-11**



**WALL Q**  
CORRIDOR

**LEGEND**



TEXTURE PAINT FINISH (WHITE COLOUR ) OF APPROVED SHADE & MAKE

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**PROJECT TITLE**

RENOVATION OF THE GROUND FLOOR FOR STAFF CANTEN AND OFFICERS' LOUNGE AT RBI ANNEXE BUILDING (CANTEN BLOCK), AT SECTOR -17, CHANDIGARH

**CLIENT**

RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH

**ARCHITECTS**

**A.T. TECHNOLOGICAL COMBINE PRIVATE LIMITED**

MOBILE: +91-9999717558, +91-9285110902  
E-MAIL: ATTLCPL@GMAIL.COM

**DRAWING TITLE**

WALL ELEVATIONS LOUNGE CORRIDOR

ATT/2024/RBI/CHAND/TD-08

TENDER DRAWING

**REVISION NOTES**

DATE	REVISION REMARKS	SIGN
21-09-2024	R1 - Changes as per discussion with Client	Client

DATE: 21-09-2024

SCALE: NTS

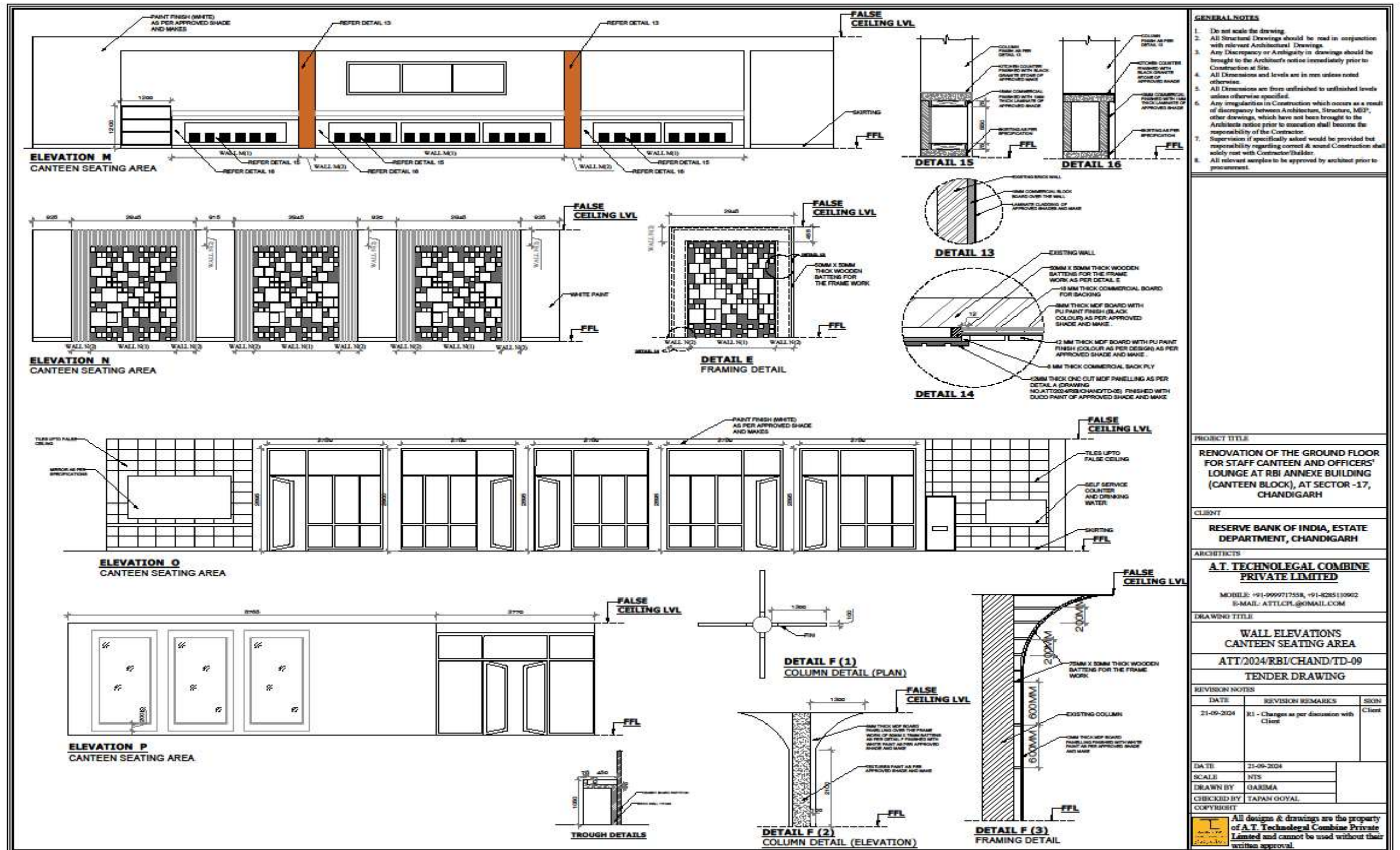
DRAWN BY: GARIMA

CHECKED BY: TAPAN GOYAL

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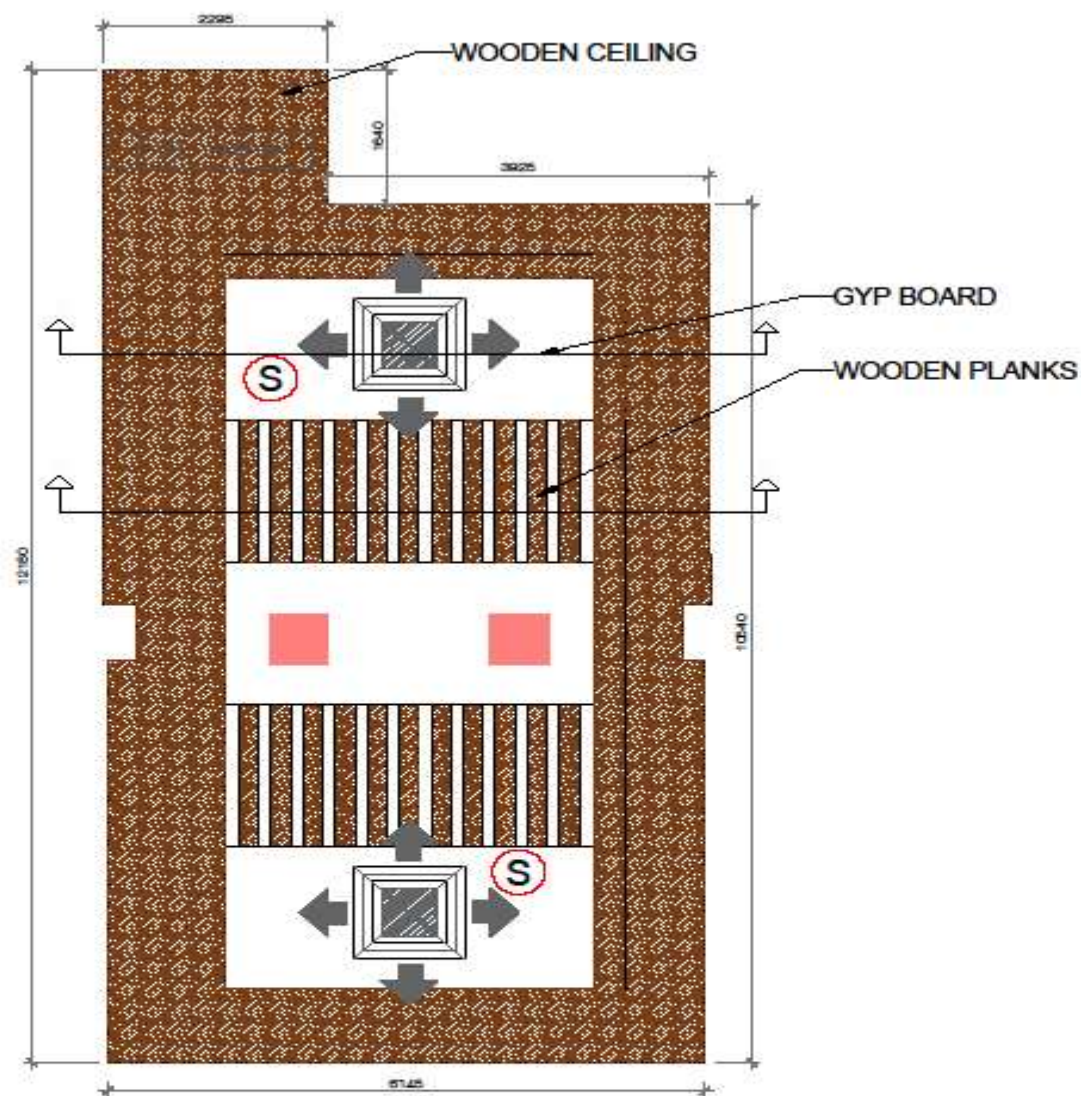




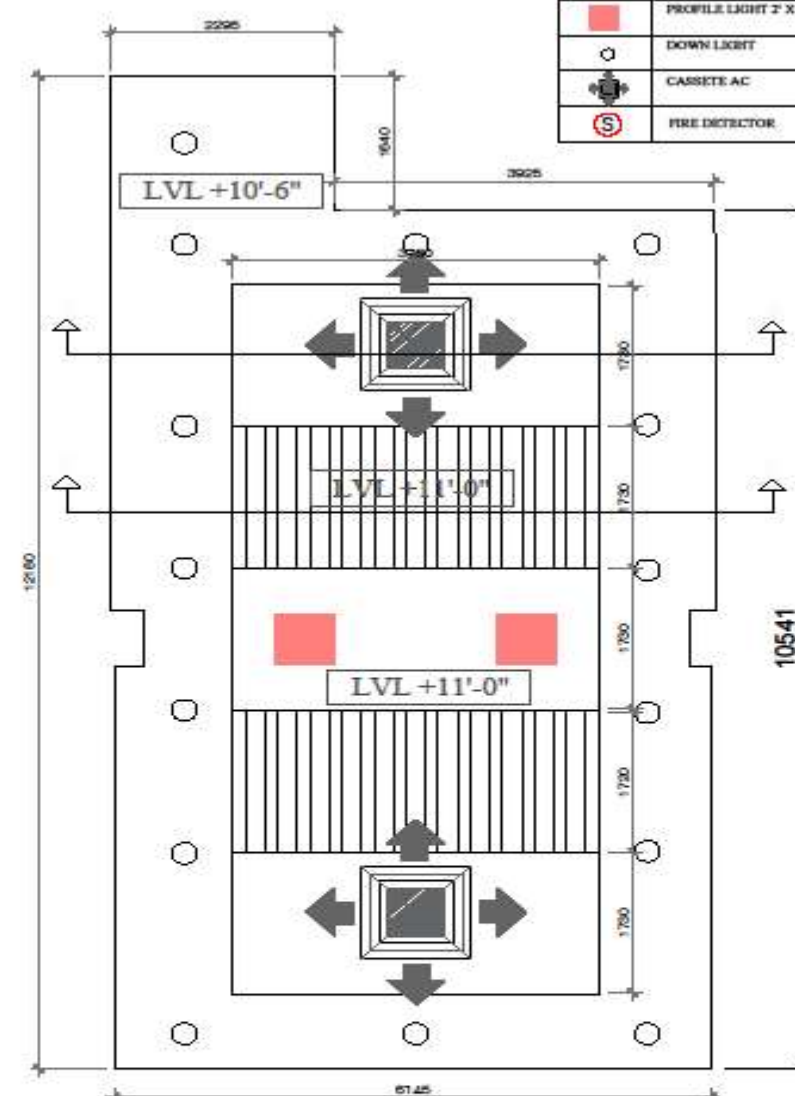


ELECTRICAL LEGENDS			
LEGENDS	DESCRIPTION	MOUNTING HEIGHT FROM FFL	NO.
	PROFILE LIGHT 2' X 2'	FALSE CEILING	2
	DOWN LIGHT	FALSE CEILING	15
	CASSETTE AC	FALSE CEILING	2
	FIRE DETECTOR	FALSE CEILING	2

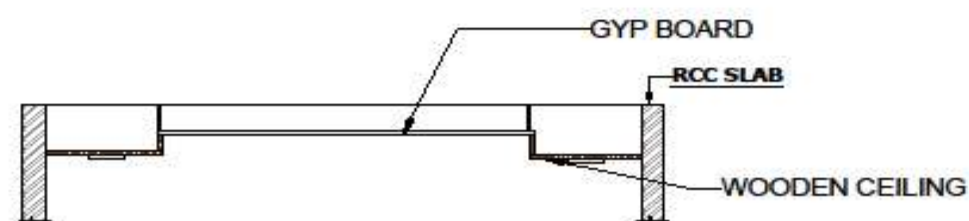
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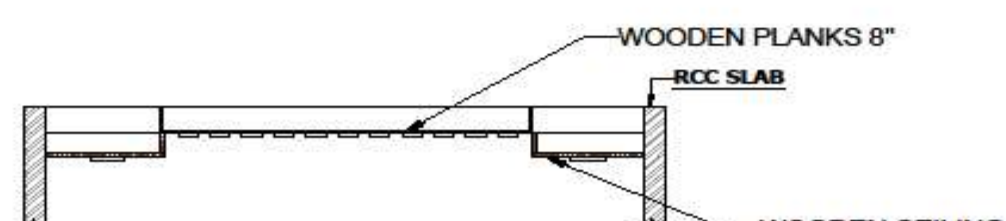
REFLECTED FALSE CEILING  
EXECUTIVE LOUNGE



REFLECTED FALSE CEILING DETAILS  
EXECUTIVE LOUNGE



SECTION AA



SECTION BB

PROJECT TITLE  
RENOVATION OF THE GROUND FLOOR  
FOR STAFF CANTEN AND OFFICERS'  
LOUNGE AT RBI ANNEXE BUILDING  
(CANTEN BLOCK), AT SECTOR -17,  
CHANDIGARH

CLIENT  
RESERVE BANK OF INDIA, ESTATE  
DEPARTMENT, CHANDIGARH

ARCHITECTS  
A.T. TECHNOLOGICAL COMBINE  
PRIVATE LIMITED  
MOBILE: +91-999717558, +91-9285110902  
E-MAIL: ATTLCPL@gmail.com

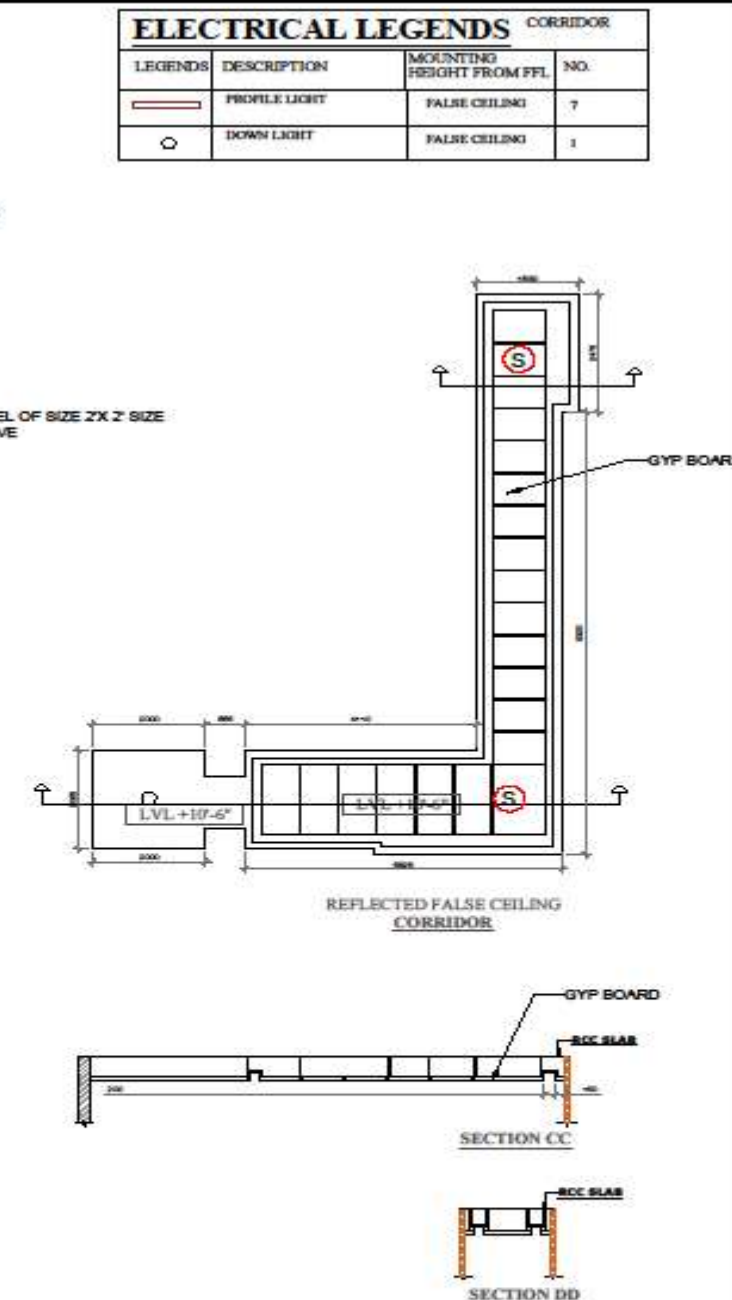
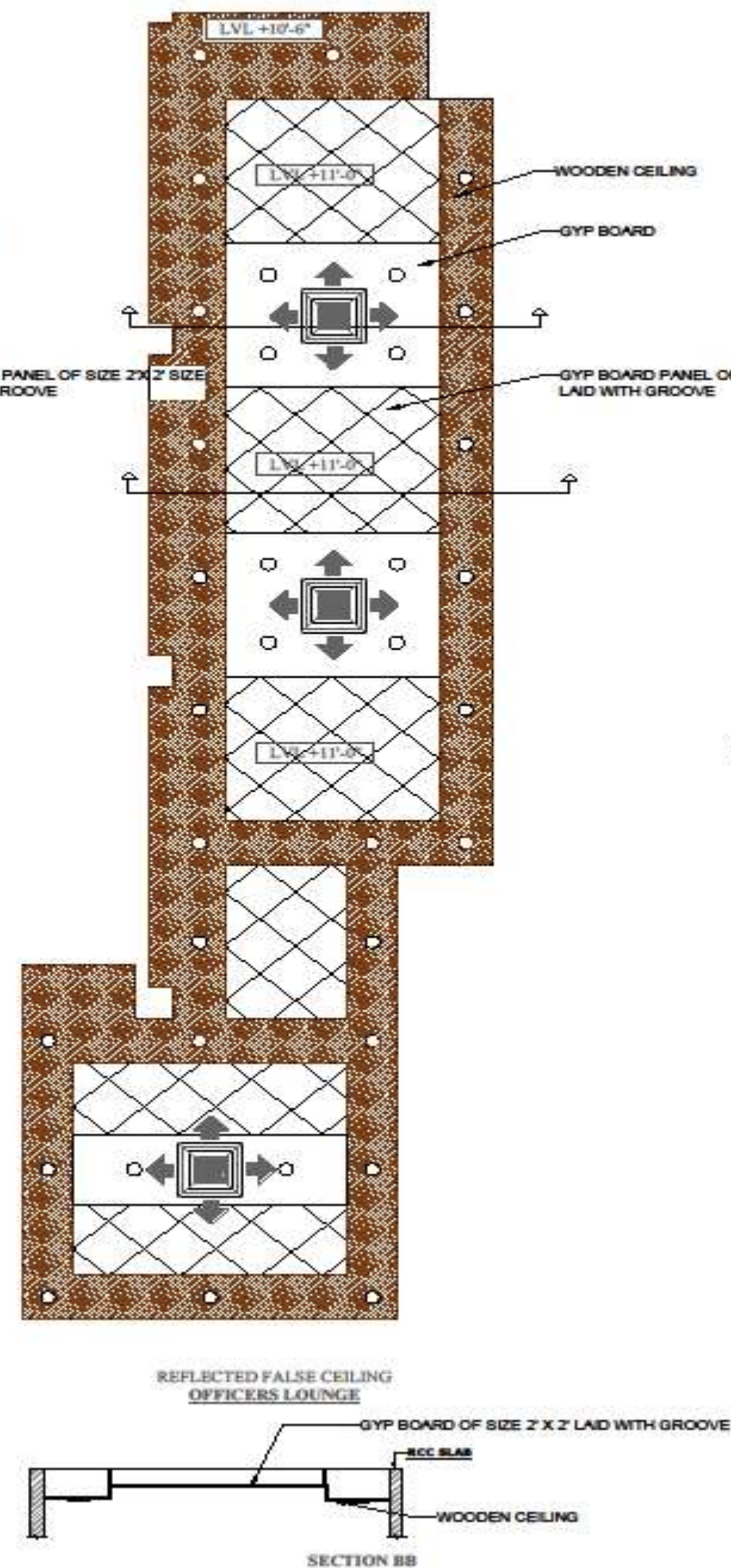
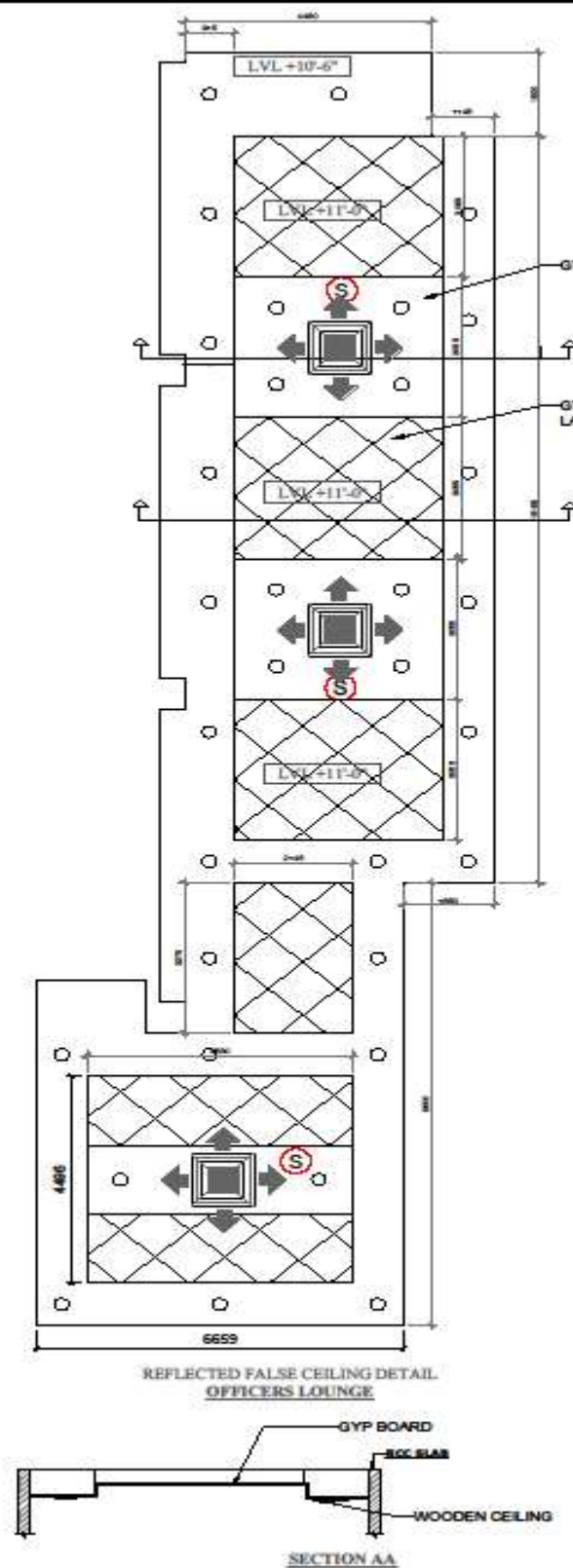
DRAWING TITLE  
REFLECTED FALSE CEILING  
EXECUTIVE LOUNGE  
ATT/2024/RBI/CHAND/TD-10  
TENDER DRAWING

REVISION NOTES		
DATE	REVISION REMARKS	SIGN
21-09-2024	R1 - Changes as per discussion with Client	Client

DATE: 21-09-2024  
SCALE: NTS  
DRAWN BY: GARIMA  
CHECKED BY: TAPAN GOYAL  
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ELECTRICAL LEGENDS CORRIDOR			
LEGENDS	DESCRIPTION	MOUNTING HEIGHT FROM FFL	NO.
—	PROFILE LIGHT	FALSE CEILING	7
○	DOWN LIGHT	FALSE CEILING	1

ELECTRICAL LEGENDS OFFICER LOUNGE			
LEGENDS	DESCRIPTION	MOUNTING HEIGHT FROM FFL	NO.
○	DOWN LIGHT	FALSE CEILING	38
—	CASSETTE AC	FALSE CEILING	2
(S)	FIRE DETECTOR	FALSE CEILING	3

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**PROJECT TITLE**

RENOVATION OF THE GROUND FLOOR FOR STAFF CANTEN AND OFFICERS' LOUNGE AT RBI ANNEXE BUILDING (CANTEN BLOCK), AT SECTOR -17, CHANDIGARH

**CLIENT**

RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH

**ARCHITECTS**

A.T. TECHNOLOGICAL COMBINE PRIVATE LIMITED

MOBILE: +91-9999717558, +91-8285110902  
E-MAIL: ATTLCPL@GMAIL.COM

**DRAWING TITLE**

REFLECTED FALSE CEILING OFFICERS LOUNGE AND CORRIDOR

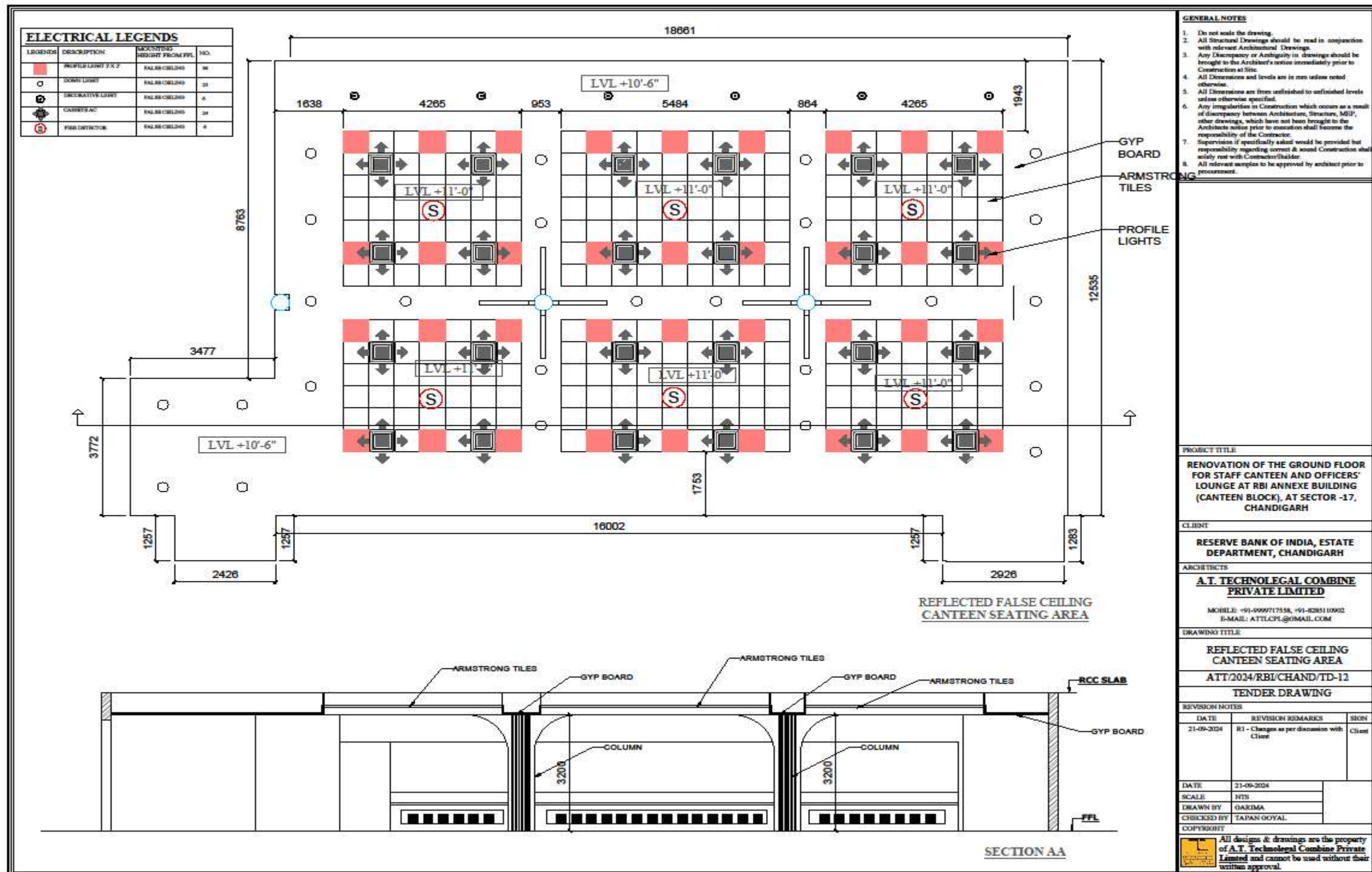
ATT/2024/RBI/CHAND/TD-11

**TENDER DRAWING**

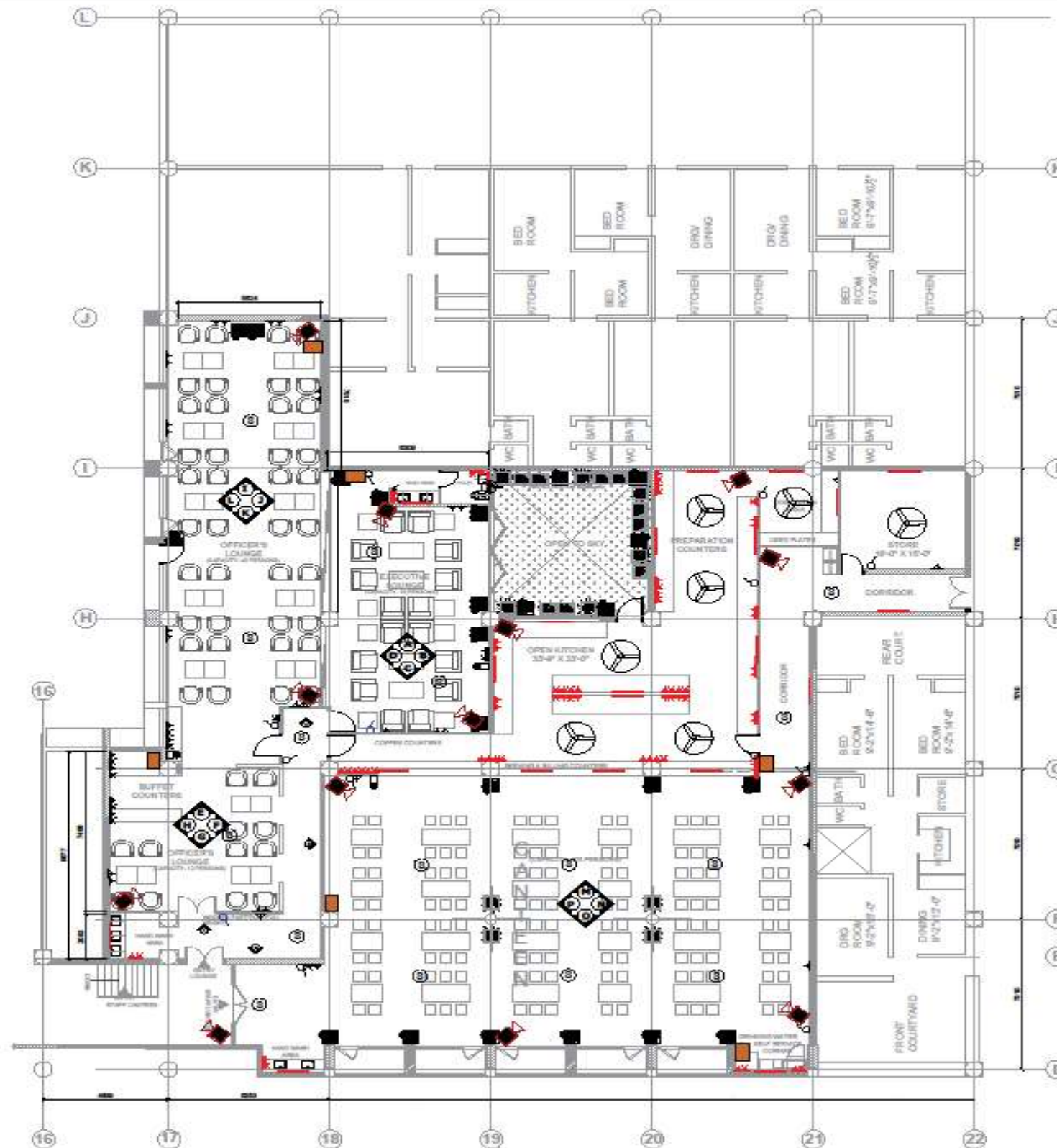
DATE	REVISION REMARKS	NO.
21-09-2024	R1 - Changes as per discussion with Client	Client

DATE: 21-09-2024  
SCALE: NTS  
DRAWN BY: GARIMA  
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ELECTRICAL LEGENDS			
LEGEND	DESCRIPTION	HEIGHT/HEIGHT FROM FFL	NO.
	1A ONE SWITCH SOCKET OUTLET	5'-0"	10
	1A ONE SWITCH SOCKET OUTLET	5'-0"	11
	1A ONE SWITCH SOCKET OUTLET	5'-0"	12
	1A ONE SWITCH SOCKET OUTLET	5'-0"	13
	1A ONE SWITCH SOCKET OUTLET	5'-0"	14
	1A ONE SWITCH SOCKET OUTLET	5'-0"	15
	WALL MOUNTED LIGHT	8'-0"	16
	WALL MOUNTED LIGHT	8'-0"	17
	SWITCH BOARD FOR AC	5'-0"	18
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	19
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	20
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	21
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	22
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	23
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	24
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	25
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	26
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	27
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	28
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	29
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	30
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	31
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	32
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	33
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	34
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	35
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	36
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	37
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	38
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	39
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	40
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	41
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	42
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	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	98
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	99
	1A SWITCH BOARD WITH 1 SWITCH	5'-0"	100

**GENERAL NOTES**

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**PROJECT TITLE**

RENOVATION OF THE GROUND FLOOR FOR STAFF CANTEN AND OFFICERS' LOUNGE AT RBI ANNEXE BUILDING (CANTEN BLOCK), AT SECTOR -17, CHANDIGARH

**CLIENT**

RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH

**ARCHITECTS**

**A.T. TECHNOLEGAL COMBINE PRIVATE LIMITED**

MOBILE: +91-9999717558, +91-9285110902  
E-MAIL: ATTLCPS@GMAIL.COM

**DRAWING TITLE**

FLOOR PLAN  
ELECTRICAL DETAILS  
ATT/2024/RBI/CHAND/EL-01  
TENDER DRAWING

REVISION NOTES		
DATE	REVISION REMARKS	SIGN
21-09-2024	R1 - Changes as per discussion with Client	Client

DATE:	21-09-2024
SCALE:	NTS
DRAWN BY:	GAURIMA
CHECKED BY:	TAPAN GOYAL
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PROJECT TITLE

RENOVATION OF THE GROUND FLOOR FOR STAFF CANTEEN AND OFFICERS' LOUNGE AT RBI ANNEXE BUILDING (CANTEEN BLOCK), AT SECTOR -17, CHANDIGARH

CLIENT

RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH

ARCHITECTS

A.T. TECHNOLEGAL COMBINE PRIVATE LIMITED

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E-MAIL: ATTLCPL@GMAIL.COM

DRAWING TITLE

3D VIEWS - EXECUTIVE LOUNGE-01

ATT/2024/RBI/CHAND/FA-12

FOR APPROVAL

REVISION NOTES

DATE	REVISION REMARKS	REVN

DATE	30-06-2024	
SCALE	NTS	
DRAWN BY	GAURMA	
CHECKED BY	TAPAN GOYAL	

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#### GENERAL NOTES

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#### PROJECT TITLE

RENOVATION OF THE GROUND FLOOR FOR STAFF CANTEN AND OFFICERS' LOUNGE AT RBI ANNEXE BUILDING (CANTEN BLOCK), AT SECTOR -17, CHANDIGARH

#### CLIENT

RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH

#### ARCHITECTS

**A.T. TECHNOLEGAL COMBINE PRIVATE LIMITED**

MOBILE: +91-9999717358, +91-9285110902  
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#### DRAWING TITLE

3D VIEWS - EXECUTIVE LOUNGE-02

ATT/2024/RBI/CHAND/FA -13

FOR APPROVAL

#### REVISION NOTES

DATE	REVISION REMARKS	NO.

DATE: 30-09-2024

SCALE: NTS

DRAWN BY: GARDMA

CHECKED BY: TAPAN GOYAL

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<b>GENERAL NOTES</b>		
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<b>PROJECT TITLE</b>		
RENOVATION OF THE GROUND FLOOR FOR STAFF CANTEN AND OFFICERS' LOUNGE AT RBI ANNEXE BUILDING (CANTEN BLOCK), AT SECTOR -17, CHANDIGARH		
<b>CLIENT</b>		
RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH		
<b>ARCHITECTS</b>		
<b>A.T. TECHNOLEGAL COMBINE          PRIVATE LIMITED</b>  MOBILE: +91-9999717558, +91-9285110002 E-MAIL: ATTLCPL@GMAIL.COM		
<b>DRAWING TITLE</b>		
3D VIEWS - OFFICER LOUNGE-01		
ATT/2024/RBI/CHAND/FA -14		
<b>FOR APPROVAL</b>		
<b>REVISION NOTES</b>		
DATE	REVISION REMARKS	BY
DATE	30-08-2024	
SCALE	NTS	
DRAWN BY	GAJENDRA	
CHECKED BY	TAPAN GOYAL	
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<div>GENERAL NOTES</div> <div><div>1. Do not scale the drawing.</div><div>2. All Structural Drawings should be read in conjunction with relevant Architectural Drawings.</div><div>3. Any Discrepancy or Ambiguity in drawings should be brought to the Architect's notice immediately prior to Construction at Site.</div><div>4. All Dimensions and levels are in mm unless noted otherwise.</div><div>5. All Dimensions are from unfinished to unfinished levels unless otherwise specified.</div><div>6. Any irregularities in Construction which occur as a result of discrepancy between Architecture, Structure, MEP, other drawings, which have not been brought to the Architect's notice prior to execution shall become the responsibility of the Contractor.</div><div>7. Supervision if specifically asked would be provided but responsibility regarding correct &amp; sound Construction shall solely rest with Contractor/Builder.</div><div>8. All relevant samples to be approved by architect prior to procurement.</div></div>																				
<div>PROJECT TITLE</div> <div>RENOVATION OF THE GROUND FLOOR FOR STAFF CANTEEN AND OFFICERS' LOUNGE AT RBI ANNEXE BUILDING (CANTEEN BLOCK), AT SECTOR -17, CHANDIGARH</div>																				
<div>CLIENT</div> <div>RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH</div>																				
<div>ARCHITECTS</div> <div><div>A.T. TECHNOLEGAL COMBINE PRIVATE LIMITED</div><div>MOBILE: +91-9999717558, +91-8285110902 E-MAIL: ATTLCPS@GMAIL.COM</div></div>																				
<div>DRAWING TITLE</div> <div>3D VIEWS - OFFICERS LOUNGE -03</div>																				
<div>ATT/2024/RBI/CHAND/FA-16</div> <div>FOR APPROVAL</div>																				
<div>REVISION NOTES</div> <table><tr><th>DATE</th><th>REVISION REMARKS</th><th>SIGN</th></tr><tr><td></td><td></td><td></td></tr><tr><td>DATE</td><td>30-06-2024</td><td rowspan="4"></td></tr><tr><td>SCALE</td><td>NTS</td></tr><tr><td>DRAWN BY</td><td>GARIMA</td></tr><tr><td>CHECKED BY</td><td>TAPAN GOYAL</td></tr><tr><td colspan="3">COPYRIGHT</td></tr></table>			DATE	REVISION REMARKS	SIGN				DATE	30-06-2024		SCALE	NTS	DRAWN BY	GARIMA	CHECKED BY	TAPAN GOYAL	COPYRIGHT		
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#### PROJECT TITLE

RENOVATION OF THE GROUND FLOOR FOR STAFF CANTEEN AND OFFICERS' LOUNGE AT RBI ANNEXE BUILDING (CANTEEN BLOCK), AT SECTOR -17, CHANDIGARH

#### CLIENT

RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH

#### ARCHITECTS

**A.T. TECHNOLOGICAL COMBINE PRIVATE LIMITED**

MOBILE: +91-9999717338, +91-8285110002  
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#### DRAWING TITLE

3D VIEWS - SEATING AREA-01

ATT/2024/RBI/CHAND/FA-17

FOR APPROVAL

#### REVISION NOTES

DATE	REVISION REMARKS	SIGN

DATE: 30-08-2024

SCALE: NTS

DRAWN BY: GAJIMA

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7. Supervision if specifically asked would be provided but responsibility regarding correct & sound Construction shall solely rest with Contractor/Builder.
8. All relevant samples to be approved by architect prior to procurement.

#### PROJECT TITLE

RENOVATION OF THE GROUND FLOOR  
FOR STAFF CANTEN AND OFFICERS'  
LOUNGE AT RBI ANNEXE BUILDING  
(CANTEEN BLOCK), AT SECTOR -17,  
CHANDIGARH

#### CLIENT

RESERVE BANK OF INDIA, ESTATE  
DEPARTMENT, CHANDIGARH

#### ARCHITECTS

**A.T. TECHNOLEGAL COMBINE  
PRIVATE LIMITED**

MOBILE: +91-9995717558, +91-9287110903  
E-MAIL: ATTLCPL@GMAIL.COM

#### DRAWING TITLE

3D VIEWS - SEATING AREA-02

ATT/2024/RBI/CHAND/FA-18

FOR APPROVAL

#### REVISION NOTES

DATE	REVISION REMARKS	BDN

DATE	30-08-2024
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7. Supervision if specifically asked would be provided but responsibility regarding correct & sound Construction shall solely rest with Contractor/Builder.
8. All relevant samples to be approved by architect prior to procurement.

#### PROJECT TITLE

RENOVATION OF THE GROUND FLOOR FOR STAFF CANTEN AND OFFICERS' LOUNGE AT RBI ANNEXE BUILDING (CANTEEN BLOCK), AT SECTOR -17, CHANDIGARH

#### CLIENT

RESERVE BANK OF INDIA, ESTATE DEPARTMENT, CHANDIGARH

#### ARCHITECTS

**A.T. TECHNOLOGICAL COMBINE PRIVATE LIMITED**

MOBILE: +91-9999717558, +91-9285110602  
E-MAIL: ATTLCPL@gmail.com

#### DRAWING TITLE

3D VIEWS - CORRIDOR

ATT/2024/RBI/CHAND/FA-19

FOR APPROVAL

#### REVISION NOTES

DATE	REVISION REMARKS	SRON

DATE: 30-08-2024

SCALE: NTS

DRAWN BY: GABIMA

CHECKED BY: TAPAN GOYAL

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## **Section VII**

### **SCOPE OF WORK**

- 1.1 Description of Work: - **Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh**
- 1.2 The scope of proposed work shall be as per the layout plans/drawings, schedule of quantities and specifications given in this tender document.
- 1.3 It is not the intent to specify completely herein all details of work covered under this enquiry. Scope of work may also include such other related works as indicated in the drawings and /or schedule of quantities although they may not be specifically mentioned in the above paragraphs and all such incidental items of works not specified but reasonably implied and necessary for completion of the job as a whole, as directed by the Bank's Engineer and as directed hereunder. All works shall conform in all respects to high standards of engineering, design and workmanship and shall, fulfill the anticipated performance during the Contractor's defect liability period in a manner acceptable to the Bank as specified hereunder.
- 1.4 Various works covered in this specification shall include but not limited to, furnishing of all materials, labour, tools, plants and equipment, transportation, fabrication, fixing, installation, supervision and execution as per schedule of quantities, technical specifications, drawings/plans, etc. as provided herein and as directed by the Bank's Engineer
- 1.5 The successful contractor shall co-ordinate with other vendors/contractors engaged by the Bank for successful completion of said work within stipulated time period.

**I / We hereby declare that I/we have read and understood the above information.**

Signature of contractor

Date

Place

## **SECTIONS-VIII**

### **APPROVED MAKE OF MATERIALS**

The following are approved brand makes/manufacture's makes listed below. In case it is established that material as listed below is not available in the market, approved equivalent material and finished of any other specialized brand names/ manufacturer's makes may be used as per approval of Client / Architect.

The list of materials of approved make having ISI mark/approved manufacture are as follows:

The contractor shall use materials of any one of the brands listed below or any other equivalent brand having BIS/ISI marking meeting the technical specification with the approval of the Bank's Engineer

#### **LIST OF APPROVED MAKES OF MATERIAL FOR CIVIL WORKS**

<b>Sr. No</b>	<b>Item</b>	<b>Approved Make</b>
1.	Ordinary Portland Cement	Ambuja, Ultratech, Jaypee, Sidhee , Hathi, Sanghi
2.	White Cement	Birla, J.K,
3.	TMT FE -500	Tata, SAIL, RINL (VIZAG), JSW, Essar Steel, Jindal Steel
4.	Structural Rolled Steel sections - beams, Channels, tee, flats, angles, bars(Round, square, hexagonal,bright), etc	Tata, SAIL, RINL
5.	Structural Hollow steel sections(Square & Rectangular)	Tata, Asian, Jindal, Surya, Apollo.
6.	Structural tubular sections	Tata, Asian, Jindal, Surya, Appolo.
11.	BWP plywood as per – IS - 710	Green, Duro, Century, Silicon(evoke)
12.	Commercial Plywood – IS – 303 (BWR/MR)	Green, Duro, Century,
13.	Decorative ply (Veneer)	Green, Duro, Century, Silicon(evoke)
14.	MDF	Nuwood ,Maftalal, Duratuff, Green Century
15.	Prelam particle board	Novapan, Bhutan .(exterior grade only)
16.	Laminate sheet	Greenlam, , Sundeck, Bloom , Marino,
17.	Cement bonded particle board	NCL (Bison board), Everest (Eternite ) Shera
18.	Flush door- decorative / non decorative	Green, Duro, Century , EURO
19.	Compact sheet	Vir, Bloom, Formica , Merino , Stylam
20.	Locks	Godrej, Dorset, Yale, EPPW, Dorma, Kitch.
21.	Float Glass / Mirror	Modi guard, Saint gobain, Ashahi, HNG
22.	MS Rolling shutter	Sarvottam, Suryoday, Gandhi, Sagar
23.	Glass Mosaic	Pavit,Italia,Bissaza , Piccolo
24.	Glazed tiles	Somany, Vermora, Simpolo, Sunheart , Kajaria Nitco

25.	Ceramic tiles	Somany, Vermora, Simpolo, Sunheart, Kajaria Nitco, RAK
26.	Vitrified Tiles	Somany, Vermora, Simpolo, Sunheart , Kajaria Nitco, RAK
27.	Construction chemicals	M.C. Bauchemie,Fosroc, Sika, Cico, Pidilite, Sika, Krishnaconchemical, Ashford, BAL, BASF., Kerakol
28.	Joint Filler / silicon paint	Wacker, Dowcorning, Sika, Chokshi, Saudal.
29.	Pre-coated steel roofing/ walling sheets	Tata blue scope Interarch, Nippon Dendro (polysteel)Metacolor, ShreePrecoated (Meta color)
30.	Paint, primer	Asian, Berger, ICI, Nerolac
31.	putty	Birla , Berger, Asian
32.	Polish	MRF, Asian, ICI, Taralac
33.	Water stops	Arti Cables,Fixopan
34.	Door Window & Furniture Hardware	Enox , dorma , godrej , Kitch, EPPW, Dorma, Palladium, Ozon,Magnum, Yale.
35.	Adhesives	Fevicol, Kitcol, Araldite, BAL.
36.	Anchor fastener / bolts	Hilti. Fischer, Mungo
37.	Linseed oil	Saffola
38.	Aluminum sections	Jindal, Hindalco , Gujarat extrusion, Banco
39.	Aluminum finish	Color anodized / pure polyester powder coating
40.	Window locks cum handle	Alualpha, Giessee or equivalent.
41.	Filler rubber of glass panel	EPDM quality only
42.	Wool felt/weather strip	Anand, red-diplex ltd or equivalent
43.	Rust Remover	Feovert (Krishna Conchem), Roff Rust Clear (Pidilite Industries)
44.	Polymer bonding agent	Monobond (Krishna Conchem), Roff Bond Repair (Pidilite Industries)
45.	Non-shrink grout	Polygrout -HS (Krishna Conchem), Roff Grout GP (Pidilite Industries)
46.	Super plasticizer for jacketing	Supercon-100 (Krishna Conchem), Roff-Plast 330 / Concrete Master
47.	Rebar and Anchor Fasteners	Hilti or Fischer OR Mungo.
48.	Acrylic SBR base bonding agent	Mono-bond SBR (Krishna Conchem), CICO, BASF, Pidilite, Sika, Fosroc
49.	Epoxy Bonding	EPI bond 21 LP (Krishna Conchem), Roff Concrete Bond (Pidilite), Fosroc, Sika

50.	Anti Termite Chemicals	Chloropyriphos/ Biflex TC / lindane/Bayer Crop Science
51.	PVC Sleeve	Supreme / Astral / Prince
52.	Expansion Board	Capcell HD Board
53.	Expansion Joint	Pidilite / Roof/ Laticrete
54.	Expansion Joint System	3R as per Item description
55.	Water Proofing	BASf/ Fosroc / Sika , Pidilite
56.	Overdeck Insulation	BASf/ Fosroc / Sika , Pidilite
57.	Tile Chemical	Bal eNDURA, Laticrite,Kerakoll, Roff, Fosroc, Ultratech
62.	Galvalume roofing sheet	Jindal,Mansha,Eashar
63.	Pre coated Sheet	J.S.Eng., Fielders, Rama, Shree Pre-coated, S.Kumar
64.	Kota	As per approved sample by Architect/ Client
65.	Granite	As per approved sample by Architect/ Client
66.	Floor stamping	Ultratech, Vyara, Flexstone or Equivalent
67.	WPC door	Alstone , Ecoste, Flexibond or equivalent
72.	Deckwood	Shera , Indowood , Ecopro , Century
73.	Exterior Fins	Metalium , Supersil, Hunterdouglas

Signature of contractor

Date:

Place:

## LIST OF APPROVED MAKES OF MATERIAL FOR PLUMBING WORKS

**The following are approved brand makes/manufacture's makes listed below. In case it is established that material as listed below is not available in the market, approved equivalent material and finished of any other specialized brand names/ manufacturer's makes may be used as per approval of Client / Architect.**

Sr. No	Description	Approved Make
1.	SWR PVC PIPE & FITTINGS 6 KG CM <sup>2</sup> ; FITTINGS: 6 KG CM <sup>2</sup> ECO. DRAINPIPE & FITTINGS	FINOLEX /SUPREME/PRINCE/ SUPREME/ ASTRAL
2.	GULLY TRAP	GIRCO / TIRUMALA / SONIA/ SUPREME/ ASTRAL
3.	STONE WARE PIPES FOR INTERNAL UNDER GROUND DRAINPIPE	GIRCO / TIRUMALA / SONIA
4.	RCC HUME PIPES EXTERNAL MAIN UNDER GROUND PIPE	INDIAN HUME PIPE / PRANALI
5.	C.I. PIPE & FITTINGS	NECO OR EQ.
6.	PPR PIPES & PPR FITTINGS	SUREME/PRINCE
7.	M.S/G.I. PIPES FOR WATER SUPPLY	TATA / JINDAL/ SWASTIK
8.	ASTM/CPVC PIPE & FITTINGS FOR WATER SUPPLY	ASTRAL / SUPREME/ASHIRWAD
9.	COMPOSITE PLUMBING PIPE & COMPOSITE FITTINGS	KITEC OR EQ.
10.	G.I. PIPES FITTINGS WATER SUPPLY	DRP-M / R-BRAND / ZOLOTO
11.	GI TO GI JOINTS	CHAMPION / EQUIVALENT
12.	SOLVENT CEMENT	SUPREME / KISSAN / FINOLEX
13.	BALL VALVES	LEADER / ZOLOTO / AUDCO
14.	WHEEL VALVES	LEADER / ZOLOTO/AUDCO
15.	DCV / NRV	ZOLOTO/SPIREX/AUDCO
16.	TAR	SHALIBIND / TIKIBOND-BS
17.	SELF PRIMING SEWAGE PUMPS	HBD / GRUNDFOS
18.	VALVES	AUDCO/ZOLOTO / R.B. / KBL / KSB
19.	PUMPS	GRUNDFOSS/ KIRLOSKER /
20.	STARTER	SIEMENS / L&T
21.	PRESSURE GAUGE	BELLS / H GURU
22.	DEWATERING PUMPS	GROUNDFOSS/KIRLOSKER/ KSB
23.	HYDROPNEUMATIC SYSTEM	GRUNDFOSS / ITT LOWARA



24.	SANITARY FIXTURES	JAQUAR / HINDWARE / PARRYWARE / CERA / KOHLAR/ROCA/
25.	EOT CRANE WITH HOIST	INDEF / ELECTROMECH / SAFEX / WH - BRADY / EQUIVALENT
26.	METALLIC BELLOWS	BELLOW FLEX / PRICISION / DHRUV / B.D. ENGR.
27.	R.O. PLANT	ION EXCHANGE /POWER H2O / THERMAX
28.	SOFTENER PLANT	ION EXCHANGE /POWER H2O / THERMAX
29.	SOLAR SYSTEM	SOAHEART/RECOLD/TATA -BP
30.	ELECTRIC GEYSER	A-O SMITH/ RECOLD/SPHERHOT
31.	HOT WATER GENERATOR	THERMAX/A.O.SMITH / KEPL
32.	SEWAGE TREATMENT PLANT	ARVIND / THERMAX / ION EXCAHNGE /
33.	FOAM CORE PIPES SN2, SN4, SN8	ASTRAL/SUPREME/FINOLEX/ASHIRWAD

Signature of contractor

Date:

Place:

## LIST OF APPROVED MAKES OF MATERIAL FOR INTERIOR WORKS

**The following are approved brand makes/manufacture's makes listed below. In case it is established that material as listed below is not available in the market, approved equivalent material and finished of any other specialized brand names/ manufacturer's make may be used as per approval of Client / Architect.**

No	Item	Approved Make
1.	COMPOSITE MARBLE	CLASSIC MARBLE(CMC), ASIAN, NITCO, RAK, QUATRO
2.	CORIAN	ASPIRON, DU PONT MONTELI, NEONNEX, SAMSUNG
3.	WOODEN FLOORING	MIKASA, ECOSOFT, QUICK STEP, PERGO, ARMSTRONG, GREENLAM ,GREENPLY, ACTION TESA , CENTURY , DURO
4.	CARPET FLOORING	DUPOND SARONA, FLOTEX, INTERFACE, MILLIKEN
5.	HARDWARE & FITTINGS	DORMA, GEZE, HAFELE. KITCH, GODREJ, ENOX ,
6.	GLASS	SAINTGOBAIN, MODIGUARD, ASAHI, JAJOO
7.	WOOD	TEAK, SAL, SYCAMORE, HALLOCK
8.	FLUSH DOOR	GREENPLY, CENTURYPLY, EUROPLY, NIPPON,
9.	PLY (BWP - IS 710 & BWR IS 303)	GREENPLY, CENTURYPLY, EUROPLY, NIPPON
10.	LAMINATE	GREENPLY, CENTURYPLY, EUROPLY, ROYAL TOUCHE, FORMICA, NIPPON
11.	VENEER	GREENLEM, CENTURYPLY, EUROPLY, TIMEX, NATURAL DECOWOOD
12.	CEMENT SHEET	SHERA, EVEREST, BISON
13.	MDF BOARD /VIROC	GREEN, VENTURA, CENTURY
14.	ALLUMINIUM SECTION	JINDAL, DOMAL SERIES, HINDALCO
15.	FULL HEIGHT PARTITION	SAINT GOBAIN, USG BORAL
16.	GLASS PARTITION	SONIC, OTIC, GEBB, BENNE, KUBIK
22.	SINK	NIRALI, JAYNA, NEELKANTH, CARYSIL
23.	NAHNI TRAP	JAYNA, CAMRY, SUPREAM
24.	GLASS FILM	3M DINOC FILM, AVERY, GARVEY
25.	POLYCARBONATE SHEET	DUNPALON, GE, LEXAN, MAKROLON, BAYER
26.	ARTIFICIAL GRASS	ECOSOFT, NAMGRASS
27.	HARDWARE & FITTINGS	GEZZE, DORMA, HEFELE, KITCH, OZONE
28.	FALSE CEILING	AEROLITE, ANUTONE, USG BORAL, SAINT GOBAIN, ARMSTRONG
29.	METAL CEILING	METALIUM, SUPERSIL, SAINT GOBAIN
30.	ACCOUSTIC BOARD	ECOTONE, ARTOISE, AEROLITE
31.	ACP	VIVA, EUROBOND, ALSTRONG, ALUDECOR, ALUCOBOND, ALSTONE,

Signature of contractor

Date:

Place:

### List of approved makes for electrical & fire alarm system works

Sr. No.	Description	Approved make
1	Modular switching accessories	Legrand (Mylinec, Myrius, Arteor)/ Crabtree Murano/ Wipro NW (Nowa, Artisa, Stylus)/ Schneider/ MK Honeywell (Blenze, Citric, Horizon)
2.	XLPE/ PVC FRLS Wires & armoured cables	Finolex/ Polycab/ Havells
3.	Distribution boards, MCBs & MCCBs	Siemens/ Legrand/ Hager/ L&T Exora/ L&T AU/ Schneider
4.	PVC MMS grade conduits and accessories FRLS/ flexible conduits	Precision/ Polycab/ AKG/ Diplast
5.	LED Light Fixtures	Philips/ Havells/ Crompton/ Wipro/ Jaquar/ Tisva/ Delta Lighting
6.	BLDC Ceiling fans	Orient/ Havells/ Crompton/ Atomberg
7.	Cable Glands & Lugs	Comet/ HMI/ Dowell
8.	Telephone wires & Cables	Skytone / Polycab/ Finolex/ Havells/ Delton/ Sterlite
9.	Panel accessories/ digital meters	L&T (Lauritz Knudsen)/ ABB/ Siemens/ Schneider/ GIC/ Salzer/ Esbee
10.	Connector/ Terminal Block	Connectwell / Elmex/Telemecanique/ Phoenix
11.	Current transformer	Kappa/ Meco / AE
12.	Selector switch	Salzer, Vaishno, HPL-Socomec
13.	Analog meters	Rishabh/ Vaishno/ Yokogawa/ Crompton
14.	Fire Alarm System components	Honeywell (Notifier/ System Sensor)

### **Section IX- 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 8m in length. The width between the side rails shall not be less than 30cm (clear) and the distance between two adjacent rungs shall not be more than 30cm. When a ladder is used, an extra mazdoor shall be engaged for holding ladder.
5. The excavated material shall not be placed within 1.5m of the edge of the trench or half of the depth of trench 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 shall 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 meter.
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 materials 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. No paint containing lead or lead products shall be used except in the form of paste or ready-made paint.
11. 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 or scrapped.
12. 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.
13. Hoisting machines and tackle used in the works, including their attachments, anchorage and supports shall be in perfect condition.
14. 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.

Signature of contractor

Date:

Place:

### **Fire Safety Code**

1. Cutting / drilling machine and other electrically operated equipment used at site shall be plugged into correctly rated electrical outlets.
2. Only ISI marked 3 pin plug and other appliances and equipment shall be used.
3. Electrical power cables/wires used shall not have any joints and shall be properly rated.
4. All electrical appliances, i.e., welding, drilling, cutting machine etc. shall be safely and securely earthed to prevent leakage current while in operation.
5. Before commencing the welding work for the first time on any day, fire section shall be informed and only after the site inspection by the Fire officers/Personnel, work shall be started.
6. Two buckets of water and sand shall be kept in an easily accessible area on the site.
7. Fire extinguishers recommended and issued by fire officers shall be kept on the site.
8. Used paint drums shall be stored in specified store only after closing them properly.
9. 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.
10. The safety belt shall be provided by the Contractor and used by the workmen while working from height for more than 10' from Ground level.
11. None of the passages near lift lobby and staircases shall be used for stacking / dumping any kind of materials/waste.
12. Both the staircase doors shall be normally kept closed.
13. None of the fire extinguishers shall be removed/shifted from its designated location.
14. Power supply shall be switched off from the mains when equipment is not in use.
15. Wood-shavings and saw-dust generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
16. Any debris generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
17. Battery operated emergency light/torches shall be provided by the Contractor to the workmen while working beyond office hours.

Signature of contractor

Date:

Place

**Annexure I**

**Pre-qualification / Eligibility Criteria forms**

**Basic Information**

1 (a)	Name of the Contractor / firm	
2.	Details of registration of the firm: whether Sole Proprietorship / Partnership firm / Private Limited / Limited or Co- operative Body, etc.	
2 (a)	Name of the proprietor or Partners. / directors:	
3 (a)	Registered Address:	
3 (b)	Address for correspondence	
4 (a)	Contact Person	
4 (b)	Designation	
4 (c)	Telephone:	
4 (d)	Mobile no.	
4 (e)	FAX / Tele-fax:	
4 (f)	E-mail id	
5	GST Registration details and no.	
5 (a)	Details of registration of labour, ESI, EPF if any	
6	Number of years of experience of contractor / Firm of contractor in the field.	
7	In case the company is subsidiary, the involvement, if any, of the Parent Company in the Bank's proposed work:	

8	Was the applicant ever required to suspend the eligible works for a period of more than six months continuously after commencement? If yes, then furnish the reasons thereof.	
9	Has the agency or any constituent partner in case of partnership firm, ever abandoned the awarded works before their completion? If so, give name of the project and reasons for abandonment.	
10	Has the agency or any constituent partner in case of partnership firm, ever been debarred /black-listed for competing in any organization at any time? If so, give details	
11	Has the agency or any constituent partner in case of partnership firm, ever been convicted?	
12.	Whether the agency is involved in frequent civil suit /litigations in the contracts/being executed now. If yes, please furnish the details in proforma given below.	Yes / No

S. No.	Name of the project and Employer	Nature of work	Work order No and Date	Present stage of work	Value of contract	Brief details of litigation
1.	2.	3.	4.	5.	6.	7.

Signature of bidder

Name & Designation:

Date and Place:

Office Seal



**Annexure II- Format 1A**

**List of Technical Personnel, Giving Details about their Technical Qualifications, Experience including that in RBI**

<b>Sr. No.</b>	<b>Name</b>	<b>Age</b>	<b>Qualifications</b>	<b>Construction experience</b>	<b>Nature of works handled</b>	<b>Name of the projects handled costing more than ₹24.05 Lakh</b>	<b>Date from which employed in your organization</b>	<b>Indicate special experience (if any) such as Advanced Construction management techniques like CPM/PERT and indicate projects in which such techniques were employed, if any</b>
1.	2.	3.	4.	5.	6.	7.	8.	9.

**Signature of the bidder with seal**

**Annexure III- Format 2**

**PREVIOUS WORK EXPERIENCE**

**List of important similar works executed by the contractor / firm (including works completed prior to on or before January 31, 2020)**

S. No.	Name of similar work and location	Nature of work involved in the contract (e.g., Renovation of office building, residential quarters).	Name of the owner/client and Architect. Also indicate whether Government or Semi-Government or Private Body with full postal address.	Cost of work		Period of completion			Reason for delay, if any	Whether work was left incomplete, or contract was terminated from either side?	Litigation / Arbitration, if any with details.	Any other relevant information.
				Contract Amount (in ₹ lakh)	Actual value of work done (in ₹ lakh)	Date of commencement of work	Scheduled date of completion	Actual date of completion				
1.	2.	3.	4.	5a	5b	6a	6b	6c	7	8	9	10

Attach supporting documents

**Signature of the bidder with seal**

**Annexure IV- Format 2A**

**List of important similar works 'On Hand'**

S. No.	Name of the work and location	Nature of work involved in the contract	Name of the owner and Architect  Whether Government or Semi-Government or Private Body with full postal address.	Contract Amount in ₹	Completion Period		Present stage of work with reasons if the work is getting delayed	Any other relevant information
					Stipulated	Expected		
1	2	3	4	5	6 (a)	6 (b)	7	8

**Signature of the bidder with seal**

**Annexure V- Format 3**

**PREVIOUS EXPERIENCE**

**Details of similar work/s (qualifying) completed during last five years ending January 31, 2025**

**(The work/s costing above the minimum value specified in pre-qualification criteria)**

S. No	Name of similar work and location	Nature of work involved in the contract (e.g. Renovation of office buildings / residential quarters).	Name of the owner / client and Architect. Also indicate whether Government or Semi-Government or Private Body with full postal address.	Name, e-mail ID, telephone (land line and mobile) nos., Fax no. of the contact Executive (the person of bidders client who can be contacted by the bank in case it is so needed).	Cost of work		Period of completion			Reason for delay, if any	Whether work- was left incomplete or contract was terminated from either side?	Litigation / Arbitration, if any with details.	Any other relevant information.
					Contract Amount (in ₹ lakh)	Actual value of work done (in ₹ lakh)	Date of commencement of work	Scheduled date of completion	Actual date of completion				
1.	2.	3.	4.	5.	6 a	6b	7a	7b	7c	8	9	10	11

**Signature of the bidder with seal**

**Annexure VI- Format 3A**

**CLIENT's CERTIFICATE REG. PERFORMANCE OF CONTRACTOR**  
**(On Client's Letter Head)**

Name & address of the Client:

Details of Works executed by Shri /M/s

1.	Name of work with brief particulars	
2.	Agreement No. and date	
3.	Agreement amount	
	Date of commencement of work	
4.	Stipulated date of completion	
5.	Actual date of completion	
6.	Details of compensation levied for delay (indicate amount) if any:	
7.	Gross amount of the work completed and paid	
8.	Name and address of the authority under whom works executed:	
9.	Whether the contractor employed qualified Engineer during execution of work?	
10.	(i) Quality of work (indicate grading)	Outstanding / Very Good / Good / Satisfactory / Poor
	(ii) Amt. of work paid on reduced rates, if any.	
12	(i) Did the contractor go for arbitration?	
	(ii) If yes, total amount of claim	
	(iii) Total amount awarded	
13	Comments on the capabilities of the contractor	
	(a) Technical proficiency	Outstanding / Very Good / Good / Satisfactory / Poor
	(b) Financial soundness	Outstanding / Very Good / Good / Satisfactory / Poor

	(c) Mobilization of adequate T&P	Outstanding / Very Good / Good / Satisfactory / Poor
	(d) Mobilization of manpower	Outstanding / Very Good / Good / Satisfactory / Poor
	(e) General behavior	Outstanding / Very Good / Good / Satisfactory / Poor
	<b>Signature of the Reporting Officer* with Office seal</b>	

Note:

(i) All columns should be filled in properly

(ii) \* Clients Report/certificate (a) for each of qualifying similar completed works carried out for Government/ public sector companies, the certificate should be signed by the concerned Executive Engineer or an officer in an equivalent or higher rank (b) for each of the qualifying similar completed works carried out for **Private companies shall accompany Tax deduction at source, TDS certificate has to be submitted for proving the credentials / contract amount.**



**Annexure VII- Financial Status**

<b>S. No.</b>	<b>Details</b>	<b>Financial Year</b>		
		<b>2021 - 2022</b>	<b>2022 - 23</b>	<b>2023 - 24</b>
1	Annual financial turn-over certified by Chartered Accountant ( <b>₹ in lakh</b> ) (Attach certificate issued by a Chartered Accountant)			
2	Income Tax returns for the year ( <b>₹ in lakh</b> )			

**Note:**

(i) Statement shall be supported by copies of audited financial statements/ accounts of the business of the bidder duly certified by a Chartered Accountant. The Income Tax Clearance Certificates / Income Tax Assessment orders along with the latest final accounts of the business of the contractor duly certified by a Chartered Accountant, copies of the Income Tax Clearance Certificate/ Income Tax assessment orders along with the latest final accounts of business of the contractor duly certified by a Chartered Accountant as a proof creditworthiness.

Signature of the bidder with seal

**Annexure VIII- Form of bankers' certificate from a scheduled bank**

***(On Bankers' Letter Head)***

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

2. This certificate is issued without any guarantee or responsibility on the Bank or any of the officer.

(Signature with stamp)  
For the Bank

**Note:**

1. Bankers' certificates should be on letter head of the Bank, sealed in cover addressed to enlistment authority.
2. In case of partnership firm, certificate to include names of all partners as recorded with the Bank.

**Annexure IX- Format 5A**

**Details of Bidder's Banker**

1	Name and full Address of the Banker	
2	Name of contact executives, Email ID, contact numbers (land line and mobile), Fax number etc.  (The person can be contacted at the office of their banker by the Bank in case it is needed.)	

**Signature of the bidder with seal**

**Annexure X- Undertaking regarding compliance of statutory requirements**

*(To be submitted by the applicant on their letterhead)*

1. I / We ..... (Name of the firm) undertakes that

(a) we shall fully comply with all the statutory requirements as applicable for any work awarded to us, irrespective of the contract amount.

(b) We shall indemnify Reserve Bank of India, Chandigarh against any liability / claims, whatsoever arising out of non-compliance of any statutory requirement claimed by Reserve Bank of India, Chandigarh without any protest or demur whatsoever.

(Seal and signature of the applicant)

Date:

Place:

**Annexure XI- Undertaking regarding declaration of debarment by public institution(s)**

*(To be submitted by the applicant on their letterhead)*

1. I / We ..... (Name of the firm) declares that
- (a) I / We or any of our allied firm\* is / are not debarred / suspended / blacklisted by any public institution / entity in India or any other country as on ..... (last date of submission of application).
- (b) I / We or any of our allied firm\* have not made any transgression in respect of the code of integrity with any public institution / entity in India or any other country in last three years as on ..... (last date of submission of application).
- (c) I / We will inform the Bank in writing, in case, I / we or any of our allied firm\* is / are debarred / suspended / blacklisted by any public institution / entity in India or other country at the earliest.
2. I / We ..... (Name of the firm) declare that I /we or our allied firm\* ..... (Name of the allied firms(s)) is / are debarred / suspended / blacklisted by ..... (Name and address of public institution in India or any other country) and the same effective up to ..... (date). A copy of such letter is attached for your information and record.

(Seal and signature of the applicant)

Date:

Place:

**Note: Strike out one of the above two declarations which is not applicable.**

\*Allied firm: A firm would be termed as “allied firm” if the management is common, or substantial or majority shares are owned by the banned / suspended firm and by virtue of this it has a controlling voice. Further all successor firms will also be considered as allied firms.

**Annexure XII- Proforma of Bank Guarantee for performance security deposit**

*(On Non-Judicial Stamp Paper of appropriate value purchased in the name of the issuing bank)*

Place: \_\_\_\_\_

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

The Regional Director  
Reserve Bank of India  
Estate Department  
Chandigarh

Madam / Dear Sir,

**Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room (OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh**

**Bank Guarantee for PERFORMANCE SECURITY DEPOSIT**

**WHEREAS**

Reserve Bank of India, having its Central Office at Shahid Bhagat Singh Road, Mumbai, (hereinafter called "the RBI") has awarded the Contract for the captioned project (hereinafter called the "Contract") to M/s \_\_\_\_\_ (Name of the Contractor) (hereinafter called "the said Contractor" which expression shall include its successors and assigns.

AND Whereas the Contractor is bound by the said Contract to submit to RBI a Performance Security for a total amount of ₹ \_\_\_\_\_ (\_\_\_\_ ONLY) (Amount in figures and words) for the due fulfillment by the said contractor of the terms and conditions contained in the contract. We, \_\_\_\_\_ (Name of the Bank), (hereinafter called "the Bank"), at the request of M/s \_\_\_\_\_, the contractor, do hereby undertake to pay to the RBI an amount not exceeding ₹ \_\_\_\_\_ (\_\_\_\_ ONLY) as Performance Guarantee for due fulfillment of the terms and conditions of the contract.

**NOW THIS GUARANTEE WITNESSETH**

1. We, \_\_\_\_\_ (Name of the Bank), do hereby agree with and undertake to RBI, their Successors, Assigns that in the event of the RBI coming to the conclusion that the Contractor has not performed his obligations under the said conditions of the contract or have committed a breach thereof, which conclusion shall be binding on us as well as the said contractor; we shall on demand by the RBI, pay without demur to the RBI, a sum of ₹ \_\_\_\_\_ (\_\_\_\_ Only) or any lower amount that may be demanded by the RBI. Our guarantee shall be treated as equivalent to the Performance Guarantee Amount for the due performance of the obligations of the Contractor under the said Contract, provided, however, that our liability against such sum shall not exceed the sum of ₹ \_\_\_\_\_ (\_\_\_\_ Only).

2. We also agree to undertake to and confirm that the sum not exceeding ₹ \_\_\_\_\_ ( \_\_\_\_\_ Only) as aforesaid shall be paid by us without any demur or protest, merely on demand from the RBI on receipt of a notice in writing stating that the amount is due to them and we shall not ask for any further proof or evidence and the notice from the RBI shall be conclusive and binding on us and shall not be questioned by us in any respect or manner whatsoever. The Bank shall pay to RBI any money so demanded notwithstanding any dispute/disputes raised by the Contractor in any suit or proceedings pending before any Court, Tribunal or Arbitrator/s relating thereto and the liability under this guarantee shall be absolute and unequivocal. We undertake to pay the amount claimed by the RBI within a period of one week from the date of receipt of the notice as aforesaid.

3. We confirm that our obligation to the RBI under this guarantee shall be independent of the agreement or agreements or other understandings between the RBI and the Contractor.

4. This guarantee shall not be revoked by us without prior consent in writing of the RBI.

We hereby further agree that –

a) Any forbearance or commission on the part of the RBI in enforcing the conditions of the said agreement or in compliance with any of the terms and conditions stipulated in the said Contract and/or hereunder or granting of any time or showing of any indulgence by the RBI to the Contractor or any other matters in connection therewith shall not discharge us in any way and our obligation under this guarantee. This guarantee shall be discharged only by the performance by the Contractor of their obligations and in the event of their failure to do so, by payment by us of the sum not exceeding ₹ \_\_\_\_\_ ( \_\_\_\_\_ Only).

b) Our liability under these presents shall not exceed the sum of ₹ \_\_\_\_\_ ( \_\_\_\_\_ Only).

c) Our liability under this agreement shall not be affected by any infirmity or irregularity on the part of our said constituents/clients or their obligations thereunder or by dissolution or change in the constitution of our said constituents.

d) This guarantee shall remain in force up to \_\_\_\_\_ (60 days beyond the Defect liability period) provided that if so desired by the RBI, this guarantee shall be renewed for a further period as may be indicated by them on the same terms and conditions as contained herein.

e) Our liability under these presents will terminate unless these presents are renewed as provided hereinabove on the \_\_\_\_\_ or on the day when our said constituents comply with their obligations, as to which a certificate in writing by the RBI alone is the conclusive proof whichever date is later. Unless a claim or suit or action is filed against us within \_\_\_\_\_ or any extended period, all the rights of the RBI against us under this guarantee shall be forfeited and we shall be released and discharged from all our obligations and liabilities hereunder.

In witness whereof I/We of the Bank have signed and sealed this guarantee on the \_\_\_\_\_ day of \_\_\_\_\_ (Month) \_\_\_\_\_ (Year) being herewith duly authorized.



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

Signature of authorized Bank Official

Name:

Designation:

Stamp / Seal of the Bank

Signed, sealed and delivered for and on behalf of the Bank by the above named in the presence of:

Witness 1

Signature .....

Name.....

Address .....

.....

.....

(NB: This guarantee will require stamp duty as applicable in the state, where it is executed and shall be signed by the official whose signature and authority shall be verified).

**Annexure XIII- Format for power of attorney for authorized signatory**

*(On Non-Judicial Stamp Paper of appropriate value)*

To,  
Regional Director,  
Reserve Bank of India  
Estate Department,  
Chandigarh – 160017

Madam / Dear Sir,

**Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room (OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh**

We..... (Name of the Bidder and address of their registered office) do hereby constitute, appoint and authorize Mr. / Ms. .... (Name and residential address of Power of Attorney holder) who is presently employed with us and holding the position of ..... as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our bid for the captioned Project, including signing and submission of all documents and providing information / responses to the Reserve Bank of India (RBI), representing us in all matters before RBI, and generally dealing with RBI in all matters in connection with our proposal for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

Signature(s) of the Bidder

Name(s)

Stamp / Seal of the Bidder

**Note:**

(i) Power of Attorney should be properly stamped and notarized Power of Attorney furnished by Contractor shall be irrevocable.

**Annexure XIV- Proforma for Indemnifying the Employer against Contract Labour  
Rules / Regulations**

(On Non-Judicial Stamp Paper of appropriate value)

To,  
Regional Director,  
Reserve Bank of India  
Estate Department,  
Chandigarh – 160017

Madam / Dear Sir,

**Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room  
(OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-  
17A, Chandigarh**

We, M/s ..... (Name of contractor), hereby undertake that we shall comply with all the statutory rules/ regulations with regard to the employment of contract labour and their payment.

We also hereby fully indemnify and keep indemnified the Employer, i.e., Reserve Bank of India, against payments to be made to the contract labour and for the observance of the laws in this regard without prejudice to our right to claim indemnity from our sub-contractors.

Yours faithfully,

For \_\_\_\_\_

Authorised Signatory

**Annexure XV- Proforma for Indemnifying the Employer against Patent Rights**

(On Non-Judicial Stamp Paper of appropriate value)

To,

Regional Director,  
Reserve Bank of India  
Estate Department,  
Chandigarh – 160017

Madam / Dear Sir,

**Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room (OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh**

We, M/s \_\_\_\_\_ (Name of Contractor) hereby undertake to fully indemnify and keep indemnified the Employer i.e. Reserve Bank of India against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall ourselves pay any royalties, licence fees etc. which may be payable in respect of any article or part thereof included in the contract or damages, cost and charges of all and every sort that may be legally incurred in respect thereof.

In the event of any claims made under or action brought against Employer in respect of any such matters as aforesaid, we shall, on being notified thereof, at our own expense, settle any dispute or conduct any litigation that may arise therefrom, provided that we shall not be liable to indemnify the Employer if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Engineer-in-Charge in this behalf.

Yours faithfully,

For \_\_\_\_\_

Authorised signatory

Name and address of the Contractor:

Seal of the Contractor:

Date:

Place:



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

भारतीय रिज़र्व बैंक एनेक्सी बिल्डिंग (कैंटीन ब्लॉक) सेक्टर-17ए, चंडीगढ़ में कैंटीन, अधिकारी लाउंज और भोजन कक्ष और एक्जीक्यूटिव लाउंज के लिए ग्राउंड फ्लोर का नवीनीकरण

हेतु ई-निविदा

**Tender for**

**Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room (OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh**

**RBI/Chandigarh Regional Office/Estate/25/24-25/ET/950**

**भाग-II (मूल्य बोली)**

**Part-II (Price Bid)**

बोलीदाता का नाम : .....

पता: .....

दूरभाष सं: .....

ई-मेल: .....

बोली पूर्व बैठक का समय एवं स्थान	01 अप्रैल 2025 पूर्वाह्न 11:00 बजे <b>स्थान:</b> संपदा विभाग, तृतीय तल, मुख्य कार्यालय भवन, भारतीय रिज़र्व बैंक, सेंट्रल विस्टा, सेक्टर-17, चंडीगढ़
बोली प्रस्तुत करने की अंतिम तिथि:	11 अप्रैल 2025 को पूर्वाह्न 11:00 बजे तक
निविदा का भाग I अर्थात् तकनीकी-वाणिज्यिक बोली खोलने की तिथि:	11 अप्रैल 2025 को अपराह्न 03:00 बजे

Renovation of Ground floor for Canteen, Officers' Lounge cum Dining room (OLDR) and Executive Lounge at RBI, Annex Building (Canteen Block) Sector-17A, Chandigarh			
UNPRICED BILL OF QUANTITY			
(NOTE: Rates and Amount are to be entered on MSTC Portal only)			
SL NO.	DESCRIPTION OF ITEMS	UNIT	QUANTITY
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 sand derived from natural sources : 4 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	0.75
2	Reinforced cement concrete work with 1:1.5:3 (1 cement : 1.5 sand derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources) in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, RCC bands in half brickwork, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, including the cost of centering, shuttering, Struting, Propping, scaffolding and removal etc, but excluding the cost of reinforcement.	Cum	3.25
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. - Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	254.00
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 sand)	Cum	0.7
5	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. - Cement mortar 1:4 (1 cement :4 sand)	Sqm	85
6	Extra for providing and placing in position 2 Nos 8 mm dia. M.S. bars at every fifth course of half brick masonry.	Sqm	85
7	Providing and fixing 15 to 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. ( Basic Rate of Granite Stone Rs. 2000.00 per Sqm Excluding GST )	Sqm	69.00
8	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	Each	7.00
9	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	Sqm	266.48

10	15 to 18 mm thick Stone (polished) work for wall lining, Facia, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete. <b>( Basic Rate of Granite Stone Rs. 2000.00 per Sqm Excluding GST )</b>	Sqm	5.00
11	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length - Second class teak wood	Cum	1
12	Providing <b>wood work in frames of false ceiling, partitions</b> etc. sawn and fixed in position with necessary stainless steel screws etc. - Kiln seasoned and chemically treated hollock wood	Cum	1.00
13	Providing and fixing <b>35 mm thick glazed shutters with Second class teak wood</b> for doors, windows and clerestory windows using 5 mm thick float glass panes fixing with approved make and brand heavy duty Stainless Steel Ball Bearing butt hinges ( 100x5.5 mm) 4nos. per shutter with necessary screws complete. - 35 mm thick	Sqm	3.15
14	Providing and fixing <b>35 mm thick ISI marked flush door shutters</b> conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters including of approved make heavy duty SS Ball Bearing butt hinges 100x5.5 mm 4 nos. per Shutter including necessary screws.	Sqm	20.25
15	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	Sqm	20.25
16	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of 4 mm glass pane of required size included) (overall area of door shutter to be measured): Rectangular or square	Sqm	7.25
17	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	Sqm	13.25
18	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete as per drawing and as per direction of Engineer-in-charge. : 2nd class teak wood - 50x12 mm	Mtr	110.50
19	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete : 250x10 mm ) - <b>( Basic Rate Rs. 600.00 / Each Excluding GST )</b>	Each	13.00
20	Providing and fixing bright finished brass handles of approved make and design with brass screws etc. complete: 125 MM <b>( Basic Rate Rs. 400.00 / Each Excluding GST )</b>	Each	26.00
21	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete. <b>( Basic Rate Rs. 250.00 / Each Excluding GST )</b>	Each	13.00
22	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer of approved brand and manufacture having brand logo with ISI, IS : 3564, embossed on the body, with necessary accessories and screws etc. complete.	Each	13.00
23	Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame	Sqm	171.50



	work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete. <b>66mm overall thickness partition using 8mm thick, double skin multipurpose cement board Type-B, Category-III as per IS: 14862 : 2000 reinforced with cellulose fibre manufactured through autoclaving process (High pressure steam cured) with suitable fibre cement screws</b>		
24	Providing & Fixing decorative high pressure laminate of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality - 1.0 mm thick - <b>(Basic Rate of Laminate sheet Rs. 500.00 per Sqm Excluding GST)</b>	Sqm	32.00
25	Providing and fixing Wall panelling on Walls comprising of 12 mm thick MDF board with CNC cut Panels as per design, over 18mm thick solid block board of approved make fixed to wall with necessary rawl plugs / Screws / Glue etc. . The in between panels as shown in drawing shall be of 5 mm thick Diamond Edge Cut Black Mirror fixed to 18 mm Block Board, complete including painting with DUCO Paint of approved shade and make on CNC Cut Panelling as per <b>WALL H</b> as shown in drawing no. <b>ATT / 2024/ RBI / CHAND / TD – 06</b> and as per direction of the Engineer- in- Charge. The Top and Bottom of wall above and below CNC cut MDF Panels shall be Painted with texture paint of approved make and shade and Commercial Board and MDF shall not be provided. <b>(Texture Paint to be paid seperately )</b>	Sqm	24.50
26	Providing and fixing Wall panelling on Cement Board Partitions (Cement Board Partition paid seperately) comprising of 12 mm thick MDF board with CNC cut Panels as per design, over 8mm thick Commercial Back Plyboard of approved make fixed to wall	Sqm	9.00

	with necessary rawl plugs / Screws / Glue etc. The in between panels as shown in drawing shall be of 5 mm thick Diamond Edge Cut Black Mirror fixed to 8mm thick Commercial back Plyboard, complete including painting with DUCO Paint of approved shade and make on CNC Cut Panelling as shown in <b>WALL G(1) of ELEVATION G in drawing no. ATT / 2024/ RBI / CHAND / TD – 05</b> and as per direction of the Engineer- in- Charge. The Top and Bottom of Partition above and below CNC cut MDF Panels shall be Painted with texture paint of approved make and shade and Commercial Board and MDF shall not be provided. <b>(Texture Paint to be paid seperately )</b>		
27	Providing and fixing wooden partitions (wood frame work shall be paid seperately) comprising of 12 mm MDF Board on both sides. On one side of partition, CNC cut Panels as per design shall be provided, with necessary rawl plugs / Screws / Glue etc. . The in between panels as shown in drawing shall be of 5 mm thick Diamond Edge Cut Black Mirror fixed to 12 mm thick MDF Boards, complete including painting with DUCO Paint of approved shade and make on CNC Cut Panelling as shown in <b>WALL G(2) of ELEVATION G in drawing no. ATT / 2024/ RBI / CHAND / TD – 05</b> and as per direction of the Engineer- in- Charge. The Top and Bottom of Partition above and below CNC cut MDF Panels shall be Painted with texture paint of approved make and shade and Commercial Board and MDF shall not be provided. The other side of the Wooden Partition shall be textured painted <b>(Texture Paint shall be paid seperately)</b>	Sqm	8.50
28	Providing and fixing Wall panelling on Walls comprising of 12 mm thick MDF board with CNC cut Panels as per design, over 18mm thick solid block board of approved make fixed to wall with necessary rawl plugs / Screws / Glue etc. . The in between panels as shown in drawing shall be of 5 mm thick Diamond Edge Cut Black Mirror fixed to 18 mm Block Board, complete including painting with DUCO Paint of approved shade and make on CNC Cut Panelling as shown in <b>WALL I(1) of ELEVATION I as shown in DRAWING NO. ATT / 2024/ RBI / CHAND / TD – 06 and WALL J(1) of ELEVATION J in DRAWING NO. ATT/2024/RBI/CHAND/TD-07</b> and as per the direction of the Engineer- in- Charge.	Sqm	12.00
29	Providing and fixing Wall panelling on Walls comprising of 12 mm thick MDF board with CNC cut Panels as per design, over 18mm thick solid block board of approved make fixed to wall with necessary rawl plugs / Screws / Glue etc. complete including painting with DUCO Paint of approved shade and make on CNC Cut Panelling as shown in <b>WALL I(2) of ELEVATION I in DRAWING NO. ATT / 2024/ RBI / CHAND / TD – 06</b> and as per direction of the Engineer- in- Charge.	Sqm	9.00
30	Providing and fixing wooden partitions (wood frame work shall be paid seperately) comprising of 12 mm MDF Board on both sides fixed with necessary rawl plugs / Screws / Glue etc. . It shall be Painted with Textured Paint of approved make and shade on both sides <b>(Texture Paint to be paid seperately)</b> complete as shown in <b>WALL J(2) of ELEVATION J in DRAWING NO. ATT / 2024/ RBI / CHAND / TD - 07</b> and as per direction of the Engineer- in- Charge.	Sqm	7.00

31	Providing and fixing Wall panelling on Walls comprising of 18 mm thick solid block board of approved make fixed to wall with necessary rawl plugs / Screws / Glue etc. with raised portions of 12 mm thick MDF Board of size 600 x 600 mm. The raised portion shall be cladded with 1 mm thick Laminate of desired shade with Laminate Tapes of matching shade on the offsets of the raised panels. The balance portion of the 18 mm thick Commercial Block board shall also be cladded with 1 mm thick laminate of required shades. The design and detail shall be as shown in <b>WALL S(1) of ELEVATION S in DRAWING NO. ATT / 2024/ RBI / CHAND / TD – 08</b> and <b>WALL R-1 of ELEVATION - R in DRAWING NO. ATT / 2024 / RBI / CHAND / TD - 07</b> and as per direction of the Engineer- in- Charge. <b>(Basic Rate of Laminate = 750.00 per Sqm Excluding GST )</b>	Sqm	22.75
32	Providing and fixing Partition over wooden Teak wood frame work ( Frame work shall be paid separately ) cladded with 12 mm thick MDF board with CNC cut panels as per design on one side of the said 12 mm thick MDF Board, over 8mm thick commercial back plyboard, both side of the Partition of approved make, fixed on wooden Frame work with necessary screws etc.. The said CNC cut MDF Board shall be finished complete with Duco painting of approved shade and make. The design and detail shall be complete as shown in <b>WALL E(1) of ELEVATION E and ELEVATION F in DRAWING NO. ATT / 2024/ RBI / CHAND / TD - 05</b> and as per direction of the Engineer- in- Charge.	Sqm	5.50
33	Providing and fixing Wall panelling on wall with 18mm thick solid block board of approved make, fixed to wall with necessary rawl plugs / Screws / Glue etc.. The 18 mm thick Commercial Board shall be cladded with 1 mm thick Laminate of approved make and shade with grooves, (Grooves shall be paid separately). The design and detail shall be complete as shown in <b>WALL B(1) of ELEVATION B in DRAWING NO. ATT / 2024/ RBI / CHAND / TD - 04</b> and <b>WALL N ( 2 ) of ELEVATION - N in DRAWING No. ATT/2024/RBI/CHAND/ TD - 09</b> and as per direction of the Engineer- in- Charge. <b>(Basic rate of Laminate Rs. 750.00 per sqm Excluding GST)</b>	Sqm	31.00
34	Providing and fixing Cement Board Partition as per <b>Item no. 13</b> (Cement Board Partition shall be paid seperately). On one side of the Cement Board Partition, 8mm thick Commercial Plyboard of approved make shall be fixed with all necessary rawl plugs / Screws / Glue etc. . The said 8 mm thick Commercial Plyboard fixed on one side of the partition shall be cladded with 1 mm thick Laminate of approved make and shade with grooves (Grooves shall be paid separately). The other side of the cement board partition shall not be provided with laminate but painted with Plastic Emulsion Paint of approved make and shade (Paint shall be paid seperately). The design and detail shall be complete as shown in <b>WALL C in ELEVATION C in DRAWING NO. ATT / 2024/ RBI / CHAND / TD - 04</b> and as per direction of the Engineer- in- Charge. <b>( Basic Rate of Laminate - Rs. 750.00 per Sqm Excluding GST )</b>	Sqm	21.25
35	Providing and fixing Cement Board Partition as per <b>Item no. 13</b> (Cement Board Partition shall be paid separately). On one side of the Cement Board Partition, 8mm thick Commercial Back Plyboard,	Sqm	14.75

	of approved make only, painted with Black Synthetic Enamel Paint, fixed to Cement Board Partition with necessary rawl plugs / Screws / Glue etc.. The 8 mm thick Commercial Back Plyboard shall be cladded with 8 mm thick One side Teak ply strips with 25 x 8 mm grooves as per design, the visible surface of the Teak Ply shall be finished with Melamine Polish. (Grooves and melamine polish shall be paid separately). The other side of the partition shall not be provided with 8 mm one side Teak ply and also 8 mm thick commercial back plyboard. The design and detail shall be complete as shown in <b>WALL A(1) of ELEVATION A and WALL B(2) of ELEVATION B in DRAWING NO. ATT / 2024/ RBI / CHAND / TD - 04</b> and as per direction of the Engineer- in- Charge.		
<b>36</b>	Providing and fixing Wall panelling over base of 18 mm thick commercial board fixed to wall with required rawl plugs covered with 12 mm thick MDF board painted with PU coated black paint as per design and 12 mm thick MDF cut pieces of different dimensions PU painted in different colours as per scheme. The cut pieces are to be fixed after PU painting, complete as shown in <b>WALL N(1) of ELEVATION N in DRAWING NO. ATT / 2024/ RBI / CHAND / TD - 09</b> and direction of the Engineer- in- Charge.	<b>Sqm</b>	<b>17.50</b>
<b>37</b>	Providing and fixing panelling over wooden frame work of batten size 50 mm X 50 mm (Wooden frame will be paid separately) comprising of 12 mm thick MDF board with CNC cut Panels on one side as per design, over 18mm thick solid block board of approved make fixed to the said Wooden Frame Work with necessary rawl plugs / Screws / Glue etc. The said 12 mm thick CNC cut MDF Board to be finished complete with Duco paint of approved shade. The design and detail to be complete as shown in <b>WALL N(2) of ELEVATION N in DRAWING NO. ATT / 2024/ RBI / CHAND / TD - 09</b> and as per direction of the Engineer- in- Charge.	<b>Sqm</b>	<b>11.75</b>
<b>38</b>	Extra over for providing / making 5 x1 mm grooves in laminated cladding, complete as per drawing no. <b>ATT / 2024/ RBI / CHAND / TD - 04</b> and direction of the Engineer- in- Charge. ( Total area of Laminated Cladding shall be paid )	<b>Sqm</b>	<b>52.50</b>
<b>39</b>	Extra over for providing / making 25 x 8 mm grooves in one side Teak ply of approved brand and manufacture cladding, complete as per drawing no. <b>ATT / 2024/ RBI / CHAND / TD - 04</b> and direction of the Engineer- in- Charge. ( Total area of Teak ply Cladding shall be paid )	<b>Sqm</b>	<b>30.00</b>
<b>40</b>	Providing and fixing 18mm thick solid block board of approved make fixed to wall with rawl plugs, complete as per required at various location and as per direction of the Engineer- in- Charge.	<b>Sqm</b>	<b>11.75</b>
<b>41</b>	Providing and fixing 8mm thick commercial back ply of approved make fixed to wall with rawl plugs, complete as per required at various locations and as per direction of the Engineer- in- Charge.	<b>Sqm</b>	<b>19.00</b>
<b>42</b>	Providing and fixing 8mm thick commercial back ply of approved make over already fixed cement board in partitions by resin bonded adhesive over which 8 mm thick veneered strips to be fixed , complete as per required at various locations and as per direction of the Engineer- in- Charge.	<b>Sqm</b>	<b>11.88</b>
<b>43</b>	Providing and fixing Cabinets under Kitchen RCC Slab, comprising of 18mm thick solid block board, of approved make, fixed to the	<b>Sqm</b>	<b>25.75</b>

	Wall, RCC Counter and Concrete platform complete with necessary Rawl plugs/ screws/ glue etc. The said 18mm Commercial Block Board shall be clad with 1 mm thick laminate of approved shade and make, complete as shown in <b>WALL M(1) of ELEVATION M in DRAWING NO. ATT / 2024/ RBI / CHAND / TD – 09</b> and as per direction of the Engineer- in- Charge. (Laminate to be paid separately)		
44	Providing and fixing Wooden Partition over wooden frame work (Frame work shall be paid separately) comprising of 12 mm thick MDF Board fixed to the Wooden Frame Work with necessary rawl plugs/ Screws/ Glue etc.. On one side of the Wooden Partition, 5 mm thick Black Diamond Edge cut mirror laid in Triangular shape is fixed over the 12 mm thick MDF Board. The balance surface of the said MDF Board shall be painted with Textured Paint (Texture Paint to be paid separately) The other side of the Wooden Partition shall be finished with Texture Paint of approved make and shade (Texture Paint to be paid separately). The design and detail shall be complete as shown in <b>WALL Q in DRAWING NO. ATT / 2024/ RBI / CHAND / TD - 08</b> and as per direction of the Engineer- in- Charge.	Sqm	5.82
45	Providing and fixing 150 mm wide Architraves of 12 mm thick MDF Board fixed to Wooden Partition, finished with Duco Paint on all visible sides of approved make and shade complete as shown in <b>WALL R(3) of ELEVATION R in DRAWING NO. ATT / 2024/ RBI / CHAND / TD - 07</b> and as per direction of Eng-in-charge..	RMtr	19.00
46	Providing and fixing 200 mm wide Architraves of 12 mm thick MDF Board fixed to Wooden Partition, finished with Duco Paint on all visible sides of approved make and shade complete as shown in <b>WALL R(3) of ELEVATION R in DRAWING NO. ATT / 2024/ RBI / CHAND / TD - 07</b> and as per direction of Eng-in-charge..	Rmtr	30.25
47	Supply, Installation, Testing and Commissioning of 6 panels Sliding Anodised Aluminium foldable silding system ( <b>Ozone make -SL-WSFS-555 for 6 panel sliding system with Mortise sliding door lock - OZ-ESL-WD-ACC-22N or approved equivalent of Dorma/ Hafele/ Hettich</b> ) for partitioning as per drawing no. <b>ATT / 2024/ RBI / CHAND / TD - 07</b> including Pivots, offset hinges, Centre Hinges, Intermediate and right/left carriers, drop bolts, top and bottom tracks, and other required accessories for smooth funtioning of the foldable sliding system accessories and hung with necessary MS structure from the RCC Slab to hang the Sliding Partition Track. Work to be completed as per Manufacturar's Specifications Complete including necessary Scaffolding, Incidentals and accessories as per direction of the Engineer - in - Charge. ( <b>Wooden panels/frame for partition and MS Structure for supporting the silding the system will be paid seperately under relevent items</b> )	Set	2.00
48	Supply, Installation, Testing and Commissioning of 4 panels Sliding Anodised Aluminium foldable silding system ( <b>Ozone make -SL-WSFS-555 for 4 panel sliding system with Mortise sliding door lock - OZ-ESL-WD-ACC-22N or approved equivalent of Dorma/ Hafele/ Hettich</b> ) for partitioning as per drawing no. <b>ATT / 2024/ RBI / CHAND / TD - 07</b> including Pivots, offset hinges, Centre Hinges, Intermediate and right/left carriers, drop bolts, top and bottom	Set	1.00

	tracks, and other required accessories for smooth functioning of the foldable sliding system accessories and hung with necessary MS structure from the RCC Slab to hang the Sliding Partition Track. Work to be completed as per Manufacturer's Specifications Complete including necessary Scaffolding, Incidentals and accessories as per direction of the Engineer - in - Charge. <b>(Wooden panels/frame for partition and MS Structure for supporting the sliding the system will be paid separately under relevant items)</b>		
49	Providing and fixing <b>35 mm thick fully glazed shutters with Second class teak wood</b> for sliding partition using 10 mm thick toughened glass panes with wooden Beading including fixing with necessary screws complete.	Sqm	14.86
50	Providing and fixing <b>35 mm thick ISI marked flush door shutters</b> conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters including providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of sliding flush door shutters for partition.	Sqm	34.25
51	Providing and Fixing fins made out of Wooden Framework (Wooden Framework to be paid separately) fixed over existing RCC Columns, clad with 8 mm thick MDF Board, bent to shape as per drawing and design, 8 mm thick MDF Board shall be painted with Texture Paint (Texture Paint to be paid separately). The design and detail shall be as shown in <b>DETAIL F(1), F(2) and F(3) in DRAWING NO. ATT/2024/RBI/CHAND/TD-09</b> and as per directions of the Engineer-in-Charge	Sqm	34.50
52	Providing and Fixing semi Glazed wooden Partition ( Wooden frame work shall be paid separately ) as per <b>WALL - R ( 3 ) of ELEVATION - R in DRAWING NO. ATT / 2024 / RBI / CHAND / TD - 07</b> , comprising of 8 mm thick Toughened Glass finished with Etching Film as per design. The glass shall be fixed with necessary Wooden beading. On the Unglazed area both side of the wood frame work <b>shall</b> be covered 12 mm thick MDF with necessary screws etc. One side of the partition shall be painted with the Texture Paint of approved shade and make and the other side shall be painted with Plastic Emulsion Paint of approved shade and make complete as per direction of Engineer - in - Charge. ( Texture Paint & Plastic Emulsion Paint shall be paid separately )	Sqm	30.00
53	Marble stone flooring with 15 mm to 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with : Udaipur green marble/white marble shall be approved by Eng - in - Charge.	Sqm	6.98
54	Providing and laying 25 mm thick Kota stone slab flooring over 20 mm (average) thick base of cement mortar 1 : 4 (1 cement : 4 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with : <b>(Basic Rate of KOTA STONE - Rs. 500.00 per Sqm Excluding GST )</b>	Sqm	228.38

55	Providing and laying 20 mm thick Kota stone in risers of steps, skirting, fascia, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete <b>(Basic Rate of KOTA STONE - Rs. 500.00 per Sqm Excluding GST )</b>	Sqm	2.60
56	<b>LAMINATED WOODEN FLOORING:</b> Providing and laying Laminate wooden flooring (Grade AC4 or AC4+ laminates) 8mm or more, having a good backing layer made up of plastic laminate or melamine, core made up of High-density fiberboard (HDF) (Moisture content- <8 %, Water Absorption 5% after 2 Hours Soaking) which is less resistant to impact damage and less resistant to being dented by heavy furniture, having a décor layer to give each floor its appearance and consisting of one or more sheets of paper impregnated with melamine resin and top wear layer having clear aluminum oxide finish that protects the decorative layer & imparts the desired level of sheen, from full gloss to low gloss, duly fixed to the base floor using adhesive as approved by the manufacturer.	Sqm	296.25
57	Providing and laying Vitrified tiles in floor in Size of Tile 600 x 600 mm (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. <b>( Basic of Tile - Rs.700.00 per Sqm Excluding GST)</b>	Sqm	11.70
58	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/ sqm.	Sqm	11.70
59	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick- set tile adhesive of approved brand and manufacture (Water based) conforming to IS: 15477, in average 3mm thickness.	Sqm	11.70
60	Providing and laying Vitrified tiles in Size of 1200 x 600 mm (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, Dado, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). <b>( Basic Rate of Tile Rs 750.00 per Sqm Excluding GST )</b>	Sqm	229.60
61	Providing and fixing false ceiling with 12.5 mm thick tapered edge gypsum moisture resistant board at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling	Sqm	250.00



	<p>with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts &amp; bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting.</p> <p><b>(Only plan area of the False ceiling will be measured for payment. NO payment or measurement for cove, drop etc will be made)</b></p>		
62	<p>Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main T at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main T runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. With 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of</p>	Sqm	176.00

	9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.( <b>Only plan area of the False ceiling will be measured fo paymeny. NO payment or measurement for cove, drop etc will be made</b> )		
63	Extra for cutting in Gypsum board false ceiling for fixing profile lighting ( Total area of false ceiling shall be measured and paid ) complete as per drawing no. <b>ATT / 2024/ RBI / CHAND / TD - 11</b> and as per direction of the Engineer- in- Charge. ( <b>Only plan area of the False ceiling will be measured fo paymeny. NO payment or measurement for cove, drop etc will be made</b> )	Sqm	33.25
64	Providing and fixing 12.5mm thick Gypsum board tile of size 595x595 mm in ceiling laid diagonally with invisible frame work. Frame work as per manufactures specification, complete as per drawing no. <b>ATT / 2024/ RBI / CHAND / TD - 10</b> and as per direction of the Engineer- in- Charge. ( <b>Only plan area of the False ceiling will be measured fo paymeny. NO payment or measurement for cove, drop etc will be made</b> )	Sqm	61.00
65	Providing and fixing 4 mm thick veneer over 8 mm thick marine grade plywood in false ceiling suspended on Gypsum false ceiling frame work. The gypsum frame work as per manufactures specification, complete as per drawing no. <b>ATT / 2024/ RBI / CHAND / TD - 10 &amp; 11</b> and as per direction of the Engineer- in- Charge.	Sqm	171.35
66	Providing and fixing 200x125mm boxes made out of 4 mm thick veneer over 8 mm thick marine grade plywood suspended by Gypsum false ceiling frame work. The gypsum frame work as per manufactures specification, complete as per drawing no. <b>ATT / 2024/ RBI / CHAND / TD - 10</b> and as per direction of the Engineer- in- Charge.	Sqm	12.80
67	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	Sqm	81.25
68	Finishing walls with Water proofing Cement Paint of approved brand and manufacture and required shade : New work ( Two or more coats applied @3.84 Kg/Sqm )	Sqm	81.25
69	Finishing walls with 100% Premium acrylic emulsion paint of approved brand and manufacture having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. New work - Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat.	Sqm	694.80
70	Finishing Internal walls with Super Fine Textured Paint of Approved make , Texture and Shades as per drawing and direction of Engineer in charge. New work ( Two or more coats applied 3.28 ltr/10 sqm) over and including priming coat of Internal Primer @ 2.20 ltr / sqm ). ( <b>Basic rate of Textured Paint Rs. 400.00 / Ltr. Excluding GST</b> )	Sqm	168.66
71	Polishing in high gloss /matt finish melamine clear polish on wood work in required color /wooden shade texture with following process in the sequence as detailed below:1. The surface to be polished is rubbed with sand paper 80/ 120 no. and then with sand paper of 160 /180 nos.2. Applying two coats of sealer with spray	Sqm	271.50

	gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs.3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes / grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again alight wet rubbing is done this surface is further allowed to dry for 12 hrs.4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12hrs. The final melamine polish is applied with compress or pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 1 or 2 layers without gap of time.)		
<b>72</b>	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. - With cement mortar 1:4 (1 cement : 4 fine sand)	<b>Sqm</b>	<b>25.00</b>
<b>73</b>	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in-Charge. - For door/ window/ clerestory window	<b>Sqm</b>	<b>8.64</b>
<b>74</b>	Providing and fixing 16 mm M.S. Fan clamps of standard shape and size in existing R.C.C. slab, including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and painting the exposed portion of the clamps complete.	<b>Each</b>	<b>16.00</b>
<b>75</b>	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	<b>Each</b>	<b>4.00</b>
<b>76</b>	Dismantling W.C. Pan / Wash Basin of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in- Charge.	<b>Each</b>	<b>10.00</b>
<b>77</b>	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	<b>Cum</b>	<b>3.29</b>
<b>78</b>	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work ( Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer-in- charge.	<b>Sqm</b>	<b>31.74</b>
<b>79</b>	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	<b>Cum</b>	<b>71.39</b>

80	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area beyond 3 sq. metres	Each	14.00
81	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	Sqm	171.83
82	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Cum	24.32
83	Dismantling G.I. pipes (external work) including excavation and re-filling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :15 mm to 40 mm nominal bore	Mtr.	15.00
84	Dismantling G.I. pipes (external work) including excavation and re-filling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :Above 40 mm nominal bore	Mtr.	25.00
85	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	203.95
86	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	Sqm	553.60
87	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	125.00
88	<p>Providing &amp; fixing of white vitreous China wall mounted water closet (Jaquar/Dyson/Duravit/Laufen /Roca/Kohler/Toto) with CP bolts, nuts, CI dual support chair hanging arrangements, seat &amp; cover with hinges &amp; rubber buffers, CP screw, washer, with all accessories, connector with Rubber Lip/Buffer and side gap filled with silicon sealant wherever required with single piece concealed type dual flush cistern comprising of actuator button facia assembly including flush plate, SS screws, washer complete, including cutting health faucet, angle valve and making good the walls, floors, slab wherever required as per instructions of Bank's Engineer. The concealed cistern shall be completely repairable from the front facia plates without any damage and without removal of cistern from inside the wall. The work also includes the cost of providing and fixing allied fittings such as all type of bolts (rack bolt etc), brackets (wall, chairs bracket etc), connectors (drain connectors etc) traps (S, P trap.etc). The work shall be executed as per the directions of the Bank's engineer.</p> <p><b>Basic Rate of WC with seat cover = ₹14,000/- Basic Rate of Concealed Cistern = ₹6930/- Basic Rate of Pneumatic Faceplate = ₹1,150/- Basic Rate of Health Faucet = ₹1950/- Basic Rate of Angle Valve = ₹800/- (Basic price is exclusive of GST)</b></p>	Each	1.00

89	<p>Providing and fixing over the counter (vessel type) white vitreous rimless washbasin including 220 V power supply based automatic (touchless) counter mounted tall basin facuet, 32 mm brass waste coupling of standard pattern, 32mm dia and 350mm long bottle trap, grid drain, angle valve, cutting and making good the walls wherever require, 18" long 304 grade Stainless Steel connection pipe, etc. all complete. The work includes, fixing of mirror of min 4.8 thickness, having tapered and polished edges of make modi/saint-gobain/AIS of minimum size 4'X 3.5' using round fixing brackets also includes providing and installation of the floor drain 100mmX100mm and floor trap and propoerly connecting the same with the drain pipes to discharghe the water from the floor. The work shall be executed as per the instruction of the Bank's Engineer-in-Charge.</p> <p><b>Basic Rate of Over the counter washbasin = ₹5600/No.</b>  <b>220 V power supply based automatic (touchless) counter mounted tall basin facuet = ₹6000/No.</b>  <b>Basic Rate of 350mm long Bottle Trap = ₹1350/No.</b>  <b>Basic Rate of Angle valve = ₹800/No.</b>  <b>Basic Rate of Waste Coupling and floor drain = ₹1570/No.</b>  <b>(Basic price is exclusive of GST)</b></p>	Each	8.00
90	<p>Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stain less steel plug 40mm, including painting of fittings and brackets, cutting and making good the walls wherever required:</p> <p><b>(Basic price of Kitchen Sink= Rs . 8000/- / Each Excluding GST)</b></p>	Each	2.00
91	<p>Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.</p> <p><b>( Basic price of Looking Mirror - Rs. 700.00 / Each Excluding GST )</b></p>	Each	1.00
92	<p>Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with 2ND CLASS TEAK WOOD moulded frame with 6 mm thick hard board backing : Rectangilar Shape 1500x600 mm Complete including Malamine polish to the moulded frame.</p> <p><b>( Basic price of Looking Mirror - Rs. 1200.00 / Each Excluding GST)</b></p>	Each	4.00
93	<p>Providing and fixing toilet paper holder of approved brand and manufacture complete : C.P. brass ( <b>Basic price of Toilet Paper Holder - Rs. 450/- /Each Excluding GST</b> )</p>	Each	1.00
94	<p>Providing and fixing soil, waste and vent rigid PVC pipes of Approved make complete with all required fittings and jointing with Rubber Seal Ring leaving 10 mm gap for thermal expansion as per direction of Engineer - in - Charge. : 110 mm diameter</p>	Mtr	48.00
95	<p>Providing and fixing soil, waste and vent rigid PVC pipes of Approved make complete with all required fittings and jointing with Rubber Seal Ring leaving 10 mm gap for thermal expansion as per direction of Engineer - in - Charge. 75 mm diameter :</p>	Mtr	24.00
96	<p>Cutting chases in brick masonry walls for following diameter PVC rigid pipes and making good the same with cement concrete 1:3:6 ( 1 cement : 3 sand : 6 graded stone aggregate 12.5 mm nominal</p>	Mtr.	15.00

	size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 sand) : 110 mm dia		
97	Cutting chases in brick masonry walls for following diameter PVC rigid pipes and making good the same with cement concrete 1:3:6 ( 1 cement : 3 sand : 6 graded stone aggregate 12.5 mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 sand) : 75 mm dia	Mtr.	10.00
98	Dismantling G.I. pipes (external work) including excavation and re-filling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :15 mm to 40 mm nominal bore:15 mm nominal dia pipes	metre	40.00
99	Dismantling G.I. pipes (external work) including excavation and re-filling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :15 mm to 40 mm nominal bore : 20 mm nominal dia pipes	metre	50.00
100	Dismantling G.I. pipes (external work) including excavation and re-filling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :15 mm to 40 mm nominal bore: 25 mm nominal dia pipes	metre	40.00
101	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25mm nominal bore - <b>(Basic Rate - 1510.00 / Each Excluding GST)</b>	Each	1.00
102	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :20 mm nominal dia - 20 mm nominal bore - <b>(Basic Rate - 1181.00 / Each Excluding GST)</b>	Each	1.00
103	Providing and fixing unplasticised PVC connection pipe with brass unions: 15 mm nominal dia pipes - 45 cm Length	Each	10.00
104	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal dia pipes - <b>(Basic Rate - Rs. 550.00 / Each Excluding GST)</b>	Each	3.00
105	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. - 15 mm nominal dia pipes - <b>(Basic Rate - Rs. 650.00 / Each Excluding GST)</b>	Each	2.00
106	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. - 15 mm nominal dia pipes - <b>(BASIC RATE Rs. 650.00 /Each Excluding GST )</b>	Each	3.00
107	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 - 15 mm nominal dia pipes - <b>(Basic Rate - Rs. 750.00 / Each Excluding GST)</b>	Each	12.00
108	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge. 15 mm nominal dia pipes	Each	12.00
109	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S.(non modular) bricks	Each	4.00

110	Making hole upto 20x20 cm and embedding pipes upto 150 mm diameter in masonry and filling with cement concrete 1:3:6 (1 cement : 3 sand: 6 graded stone aggregate 20mm nominal size) including disposal of malba.	Each	4.00
111	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 100x100 mm size P type - With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	3.00
112	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 sand : 8 graded stone aggregate 40 mm nominal sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2.00
113	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : For pipes 100 to 250 mm diameter	Each	2.00
114	Providing and fixing factory made uPVC white colour Casement glazed door comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, assembling and supplying <u>10 MM THICK ENERGY EFFICIENT TOUGHENED GLASS</u> for door glazing in UPVC door as per the technical specification of the tender, EPDM gasket, zinc alloy (white powder coated) Minimum 4 Nos 3D Hinges for each shutter of the door and one handle on each side of panels along with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key, G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws, etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. Work also includes Providing, After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. Work should be complete in all respect	SQMT	18.9



	<p>in finished item of work including of supply of all materials, labor, sundries, taxes CPOH and no any other payment will be made for this work. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made. Casement door made of frame 67 x 64 mm &amp; sash 67 x 110 mm both having wall thickness of <math>2.3 \pm 0.2</math> mm, single glazing bead / double glazing bead of appropriate dimension. Minimum 4 Nos 3D Hinges for each shutter of the door. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made. Note: For uPVC frame, sash, mullion and transom at lock rail level extruded profiles minus 5% tolerance in dimension i.e. in depth &amp; width of profile shall be acceptable.</p>		
115	<p>Providing and fixing factory made <b>Single glass fixed uPVC white color windows</b> comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with <math>1.60 \pm 0.2</math> mm thick galvanized mild steel section made from roll forming process of required length (shape &amp; size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, <u>5-6 mm thick Energy Efficient toughened glasss</u>, G.I fasteners 100 x 8 (Minimum) mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitered cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished masonry/structural elements shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing &amp; direction of Engineer-in-Charge. Work should be complete in all respect in finished item of work including of supply of all materials, labor, sundries, taxes CPOH and no any other payment will be made for this work.</p> <p>uPVC Profile shall be made of frame of 60 x 55 mm having wall thickness of <math>2.3 \pm 0.2</math> mm, 5-6 mm thick Energy Efficient toughened glasss and single glazing bead/ double glazing bead of appropriate dimension.</p> <p>Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made. Note: For uPVC frame, sash, mullion extruded profiles minus 5% tolerance in dimension i.e. in depth &amp; width of profile shall be acceptable.</p>	SQMT	67.46
116	<p>Providing and fixing factory made <b>Single glass uPVC white color casement glazed windows</b>) comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with <math>1.60 \pm 0.2</math> mm thick galvanized mild steel section made from roll forming process of required length (shape &amp; size according to uPVC profile), uPVC extruded glazing beads of</p>	SQMT	18.58

	<p>appropriate dimension, <b><u>5-6 mm thick Energy Efficient toughened glass</u></b>, EPDM gasket, 2 Nos friction hinges for each sash/shutter/panels, , zinc alloy (white powder coated) casement handles along with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key, G.I fasteners 100 x 8 (minimum) mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame &amp; sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished masonry/structural elements shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing &amp; direction of Engineer-in-Charge. uPVC Casement window made of 5-6 mm thick Energy Efficient toughened glass, frame &amp; sash with 2 Nos friction hinges for each sash. Upvc Profile shall be made of frame of 60 x 55 mm &amp; sash / mullion 60 X 74 both having wall thickness of <math>2.3 \pm 0.2</math> mm and single glazing bead/ double glazing bead of appropriate dimension. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made. For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth &amp; width of profile shall be acceptable.</p>		
<b>117</b>	<p>Providing and fixing fire resistant door frame of section 143 x 57 mm having built in rebate made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm) duly filled with vermiculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10x4 mm (minimum) around the frame and fixing with dash fastener of approved size and make, including applying a coat of approved brand fire resistant primer and two coat of Synthetic enamel paint etc. complete as per direction of Engineer-in-charge (Dash fastener to be paid for separately).</p>	<b>meter</b>	<b>15.55</b>
<b>118</b>	<p>Providing and fixing 50 mm thick glazed fire resistant door shutters of 60 minutes fire rating conforming to IS:3614 (Part-II), tested and certified as per laboratory approved by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, lock rail, top rail 100 mm wide, bottom rail 200 mm wide, made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/m<sup>2</sup>) duly filled FR insulation material and fixing with necessary stainless steel ball bearing hinges of approved make, including applying a coat of approved fire resistant primer and two coat of Synthetic enamel paint etc.etc. all complete as per direction of Engineer-in-charge (paneling to be paid for separately). All doors shall be factory prepped for receiving appropriate hardware and provided with necessary reinforcement for hinges, locks, and door closers. The edges should be interlocked with a bending radius of appropriate size Vision panel wherever applicable should be provided as per manufacturers recommendation with a bedding and screws from inside.</p>	<b>Sqm</b>	<b>5.86</b>

119	Providing and fixing glazing of clear fire resistant glass panes 6mm thick of approved brand, having minimum 60 minutes fire resistance in fire resistant door shutters, fixed panels, ventilators and partitions etc., with G.I. beading of appropriate size, made out of 20 SWG G.I. sheet (zinc coating not less than 120 gm/m <sup>2</sup> ), fire resistant sealant, including applying a coat of approved fire resistant primer on G.I. beading etc., complete all as per direction of Engineer-in-charge. With	Sqm	0.75
120	Providing and fixing panic bar / latch (Double point) fitted with a single body, Trim Latch & Lock on back side of the Panic Latch of reputed brand and manufacture to be approved by the Engineer-in-charge, all complete.	Each	6
121	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10 mm x 120 mm	Each	24
<b>ELECTRICAL WORKS</b>			
122	Primary Light Point - Supply, laying, installation, testing & commissioning of wiring for primary light point using 3 x 2.5 sqmm, 600 V, PVC FRLS insulated multi stranded copper conductor wire to respective point outlet (partly in concealed manner / surface/ on wall) provided in suitable size of MMS PVC FRLS conduit with all required accessories like coupler, bend, long bend, tee, junction box, required hardware materials etc. as per site requirement, terminated in 6 A switch on a modular plate of approved make mounted on suitable size heavy duty PVC plate with concealed GI back box with interconnection and also complete with outlet point either with angle/ straight holder / ceiling rose / connector etc. as directed for light point. Rate shall be inclusive of cost of circuit wiring using 3 x 2.5 sqmm of 600 V, multi stranded copper conductor PVC FRLS wire in rigid MMS PVC FRLS conduit (from MCB DB to respective switchboard) with all required hardware materials labour involve, civil work required for concealing the pipes etc as per site requirement, complete in all respect.	Nos.	61
123	Secondary light point- Supply, laying, installation, testing & commissioning of wiring for secondary light points using 3 x 1.5 sq mm, 600 V, FRLS PVC insulated multi stranded copper conductor wire to respective point outlet (partly in concealed manner / surface/ on wall) provided in suitable size of MMS PVC FRLS conduit with all required accessories like coupler, bend, long bend, tee, junction box, required hardware materials etc. as per site requirement, terminated in 6 A switch on a modular plate of approved make mounted on suitable size heavy duty PVC plate with concealed GI back box with interconnection and also complete with outlet point either with angle/ straight holder / ceiling rose / connector etc. as directed for light point. Rate shall be inclusive of cost of all required hardware materials labour involve, civil work required for concealing the pipes etc as per site requirement, complete in all respect.	Nos.	100
124	Ceiling fan point with regulator- Supply, laying, installation, testing & commissioning of wiring for ceiling fans using 3 x 1.5 sq mm, 600 V, ISI marked, PVC FRLS multi stranded copper conductor wire to respective point outlet (partly in concealed manner / surface/ on wall) provided in suitable size of MMS PVC FRLS conduit with all	Nos.	7

	required accessories like coupler, bend, long bend, tee, junction box, required hardware materials etc. as per site requirement, terminated in 6 A switch and 2 module 5 step 120 W regulator on a modular plate of approved make mounted on suitable size heavy duty PVC plate with concealed GI back box with interconnection and also complete with outlet point either with ceiling rose / connector etc. as directed for fan point. Rate shall be inclusive of cost of all required hardware materials labour involve, civil work required for concealing the pipes etc as per site requirement, complete in all respect.		
<b>125</b>	Exhaust fan point- Supply, laying, installation, testing & commissioning of wiring for exhaust fan points using 3 x 1.5 sq mm, 600 V, ISI marked, PVC FRLS multi stranded copper conductor wire to respective point outlet (partly in concealed manner / surface/ on wall) provided in suitable size of MMS PVC FRLS conduit with all required accessories like coupler, bend, long bend, tee, junction box, required hardware materials etc. as per site requirement, terminated in 6 A switch on a modular plate of approved make mounted on suitable size heavy duty PVC plate with concealed GI back box with interconnection and also complete with outlet point either with ceiling rose / connector etc. as directed for exhaust fan point. Rate shall be inclusive of cost of all required hardware materials labour involve, civil work required for concealing the pipes etc as per site requirement, complete in all respect.	<b>No.</b>	<b>1</b>
<b>126</b>	Design, fabrication, supply, installation, testing and commissioning of cubical type 415V electric distribution panel with one 125 A, 50 kA MCCB incomer with operating handle & indication lamps and 4 outgoing feeders- (2 nos. 63 A, 36 kA MCCB feeders & 2 nos. 32 A, 36 kA MCCB feeders)- each with operating handle & indication lamps; complete with electrolytic grade tinned copper busbars, cable alley (with connector terminals) and metering terminal comprising of indication lamps, multifunction meter etc. as per details given in technical specifications.	<b>No.</b>	<b>1</b>
<b>127</b>	Supply, installation, testing and commissioning of 6 A plug point comprising of approved make 6 A switch & shuttered socket on lighting switchboard/ looped from nearby lighting/ power circuit using 3 x 2.5 sqmm copper PVC FRLS wire in rigid MMS PVC FRLS conduit, as required including Civil work for concealing of conduits.	<b>Nos.</b>	<b>90</b>
<b>128</b>	Supply, installation, testing and commissioning of independent 6/ 16 A plug point (or looped from nearby 6/16 A) comprising of approved make 16 A switch (with LED indicator) & 6/ 16 A shuttered socket on modular front plat & GI box of approved make and including 2 x 4 sqmm + 1 x 2.5 sqmm copper PVC FRLS wire in rigid MMS PVC FRLS conduit running in recessed/ surface manner between MCB DB & plug point (or between independent plug point and looped plug point, subject to maximum 2 no. 6/16 A plug points on one circuit).	<b>Nos.</b>	<b>42</b>
<b>129</b>	Supply & laying approved make RG-06 ISI marked, tinned copper video cable in suitable size rigid MMS PVC FRLS conduit, complete in all respect.	<b>RM</b>	<b>120</b>
<b>130</b>	Supply & laying 2 core (0.5 mm conductor size) telephone wire ISI marked, in suitable size PVC conduit from available telephone junction MDF box, complete in all respect.	<b>RM</b>	<b>120</b>

<b>131</b>	Supply and fixing of coaxial TV socket in recessed manner using approved make socket, front plate and back box.	<b>Nos.</b>	<b>3</b>
<b>132</b>	Supply and fixing of coaxial RJ-11 telephone socket in recessed manner using approved make socket, front plate and back box.	<b>Nos.</b>	<b>3</b>
<b>133</b>	Supply and fixing of 3 phase 6-way double door horizontal TPN DB of approved make using required hardware in concealed manner by making opening in wall and refilling the area surrounding to it by mortar and with cable end box & following MCBs of approved make: Incomer (8 module): FP MCB 32 A, C-curve - 1 no. Outgoing : SP MCB 10 A, C-curve - 18 nos.	<b>No.</b>	<b>1</b>
<b>134</b>	Supply and fixing of 3 phase 16-way double door horizontal TPN DB of approved make using required hardware in concealed manner by making opening in wall and refilling the area surrounding to it by mortar and with cable end box & following MCBs of approved make: Incomer (8 module): FP MCB 63 A, C-curve - 1 no. Outgoing : SP MCB 10 A, C-curve - 48 nos.	<b>No.</b>	<b>1</b>
<b>135</b>	Supply and laying of 4C x 6 sqmm aluminium armoured FRLS XLPE insulated 1.1kV ISI marked Power control cables fixed on walls, ceilings etc. using GI saddles with base and as directed by Bank's Engineer/ Architect with required necessary hardware material etc. in all respect.	<b>RM</b>	<b>50</b>
<b>136</b>	Supply and laying of 3.5C x 25 sqmm aluminium armoured FRLS XLPE insulated 1.1kV ISI marked Power control cables fixed on walls, ceilings etc. using GI saddles with base and as directed by Bank's Engineer/ Architect with required necessary hardware material etc. in all respect.	<b>RM</b>	<b>130</b>
<b>137</b>	Termination of 4C x 6 sqmm Aluminium armoured cable using lugs and glands of approved make.	<b>Nos.</b>	<b>2</b>
<b>138</b>	Termination of 3.5C x 25 sqmm Aluminium armoured cable using lugs and glands of approved make.	<b>Nos.</b>	<b>4</b>
<b>139</b>	Supply, installation, testing and commissioning of 20 W, min. 1100 mm long LED fixture as approved by Bank's Engineer/ Architect. (Basic rate of fixture excluding GST= ₹250/-)	<b>Nos.</b>	<b>30</b>
<b>140</b>	Supply, installation, testing and commissioning of 36 W, min. 110 lumen/ W efficacy, CRI>80, CRCA housing 595x595 mm panel light fixture, approved by Bank's Engineer/ Architect. (Basic rate of fixture excluding GST= ₹1650/-)	<b>Nos.</b>	<b>38</b>
<b>141</b>	Supply, installation, testing and commissioning of min. 16.5 W, min. 110 lumen/ W efficacy, CRI>80, die cast Aluminium housing LED downlight fixture, approved by Bank's Engineer/ Architect. (Basic rate of fixture excluding GST= ₹1050/-)	<b>Nos.</b>	<b>77</b>
<b>142</b>	Supply, installation, testing and commissioning of pendant light of approved make. (Basic rate of fixture excluding GST= ₹2,000/-)	<b>Nos.</b>	<b>6</b>
<b>143</b>	Supply, installation, testing & commissioning of LED profile light complete with driver of approx. 1500 mm length each.	<b>Nos.</b>	<b>7</b>
<b>144</b>	Supply, installation, testing and commissioning of mirror light fixture of approved make (Havells LHLDESAARANC020 or equivalent. (Basic rate of fixture excluding GST= ₹600/-)	<b>Nos.</b>	<b>3</b>
<b>145</b>	SITC of LED rope light (minimum 7 W/ mtr) with drivers and adaptors as required.	<b>RM</b>	<b>20</b>

<b>146</b>	SITC of 1200 mm sweep 3-blade, regulator compatible BLDC ceiling fan with minimum service value of 6.0, with heavy duty down rod and hanging mechanism. (Orient Hector or equivalent, Basic supply rate of BLDC fan excluding GST= ₹2650/-)	<b>Nos.</b>	<b>7</b>
<b>147</b>	Supply, installation, testing & commissioning of approved make PVC square body, 10" sweep with PVC gravity lowered louvers exhaust fan in the existing opening with required hardware. (Basic supply rate of exhaust fan excluding GST= ₹1400/-).	<b>No.</b>	<b>1</b>
<b>148</b>	Supply, installation, testing and commissioning of Honeywell Notifier FAPT-851 (or equivalent) photo smoke detector with base and accessories for installation in surface/ concealed manner in the ceiling.	<b>Nos.</b>	<b>18</b>
<b>149</b>	Supply, installation, testing and commissioning of Honeywell Notifier FST-851R (or equivalent) rate of rise heat detector with base and accessories for installation in surface/ concealed manner in the ceiling.	<b>Nos.</b>	<b>3</b>
<b>150</b>	Supply, installation, testing and commissioning of Honeywell Notifier (or equivalent) LPG gas detector with accessories for installation in kitchen.	<b>Nos.</b>	<b>2</b>
<b>151</b>	Supply, installation, testing and commissioning of Honeywell Notifier (or equivalent) monitor module for LPG gas detector above.	<b>Nos.</b>	<b>2</b>
<b>152</b>	Supply, installation, testing and commissioning of Honeywell System Sensor make (or equivalent) hooter cum strobe light with accessories for installation in surface/ concealed manner in the wall.	<b>Nos.</b>	<b>2</b>
<b>153</b>	Supply, installation, testing and commissioning of Honeywell Notifier (or equivalent) control module for hooter cum strobe above.	<b>Nos.</b>	<b>2</b>
<b>154</b>	Supply, installation, testing and commissioning of Honeywell Notifier (or equivalent) isolator module.	<b>No.</b>	<b>1</b>
<b>155</b>	Supply, installation, testing and commissioning of Honeywell Notifier (or equivalent) breakable glass dual action manual call point.	<b>Nos.</b>	<b>2</b>
<b>156</b>	Supply & laying of 2C x 1.5 sq.mm. copper armoured cable red colour including fixing on wall/ ceiling with saddles and glanding-termination with necessary accessories and hardware etc.	<b>RM</b>	<b>350</b>