बेटी बचाओ
बेटी पढ़ाओ

भारतीय रिजर्व बैंक
संपदा कक्ष, रायपुर

ई-निविदा आमंत्रण सूचना
(केवल ई-खरीद के माध्यम से)

<u>ई-टेंडर (NIT) आमंत्रित करने का नोटिस</u>

भारतीय रिज़र्व बैंक (RBI), रायपुर में क्षेत्रीय कार्यालय भवन के बी ब्लॉक के पहले मंजिल के आंतरिक नवीनीकरण सहित सिविल, एमईपी, एचवीएसी, विद्युत और संबद्ध कार्य

रायपुर क्षेत्रीय कार्यालय, भारतीय रिजर्व बैंक, दो भागों में खुली ई-निविदा आमंत्रित करता है। कार्य की अनुमानित लागत ₹357.88 लाख है और इसे 90 दिनों के भीतर पूरा किया जाना है।

2. ई-निविदा केंद्रीय सार्वजनिक खरीद पोर्टल (CPPP) https://etenders.gov.in/eprocure/app द्वारा आरबीआई के नाम पर तीसरे पक्ष के रूप में की जाएगी। इसलिए, रुचि रखने वाली फर्मों को निविदा प्रक्रिया में भाग लेने के लिए CPP पोर्टल पर पंजीकरण करना आवश्यक है। CPPP पर पंजीकरण और ई-निविदा प्रक्रिया के बारे में विवरण निविदा दस्तावेज़ के अनुबंध II में संलग्न है। ई-निविदा दो भागों में ऑनलाइन जमा की जाएगी। ई-निविदा का भाग I प्रस्तावित कार्य के लिए मानक तकनीकी और वाणिज्यिक शर्तें शामिल करेगा और ई-निविदा का भाग II मूल्य बोली शामिल करेगा। सभी आवश्यक अनुबंध और दस्तावेजी साक्ष्य भी निविदा के भाग I के साथ अपलोड किए जाएंगे। यह एक ई-निविदा बोली है और बोलीदाताओं को खोलने के लिए उपस्थित होने की आवश्यकता नहीं है।

3. बैंक किसी भी बोली को स्वीकार करने के लिए बाध्य नहीं है और पूर्ण या आंशिक रूप से किसी भी निविदा को स्वीकार करने का अधिकार सुरक्षित रखता है। बैंक अपने एकमात्र विवेक से किसी या सभी निविदाओं को बिना किसी कारण के, अस्वीकार करने का अधिकार सुरक्षित रखता है।

4. बैंक अधिसूचना / सुधार / मिनट / पूर्व-बोली बैठक जारी करने का अधिकार सुरक्षित रखता है, जो केवल RBI और CPPP की आधिकारिक वेबसाइट पर प्रकाशित की जाएगी। ऐसे अद्यतन निविदा दस्तावेज का एक अभिन्न अंग होंगे, और व्यक्तिगत बोलीदाताओं को कोई अलग सूचना नहीं भेजी जाएगी। यह बोलीदाता की जिम्मेदारी यह है कि वे इन पोर्टलों पर किसी भी संशोधन के लिए निगरानी करें।

5. निविदा के लिए अनुसूची (SOT) निम्नलिखित है

	ई-टेंडर संख्या	आरबीआई/आरआरओ/ईएसटी/26-27/1
i.	टेंडर का तरीका	ई-खरीद प्रणाली (ऑनलाइन भाग I – तकनीकी-वाणिज्यिक बोली और भाग II - मूल्य बोली सीपीपी पोर्टल https://etenders.gov.in/eprocure/app के माध्यम से)
ii.	अनुमानित लागत	**357.88 लाख**
iii.	कार्य पूरा करने की समय सीमा	**90 दिन**
iv.	ईमानदारी धन जमा (EMD) (केवल NEFT/मांग ड्राफ्ट/बैंक गारंटी के माध्यम से)	**₹7,15,760/-** के माध्यम से भेजा जाना है **a) NEFT / RTGS** खाता नं: 1 8 6 0 0 3 0 0 1 लाभार्थी का नाम: रिजर्व बैंक ऑफ इंडिया रायपुर IFSC कोड: RBIS0RPPA01 (5वां और 10वां अंक शून्य हैं) या **b) डिमांड ड्राफ्ट/बैंक गारंटी:** भारतीय रिजर्व बैंक के पक्ष में, जो भारतीय रिजर्व बैंक, रायपुर क्षेत्रीय कार्यालय, सेक्टर 24, नवा रायपुर- 492101 पर भौतिक रूप में सौंपी जानी है
v.	CPP पोर्टल / RBI वेबसाइट पर ई-टेंडर दस्तावेज़ के डाउनलोड के लिए उपलब्धता की तारीख	21 अक्टूबर, 2026 से सुबह 11:00 बजे से
vi.	पूर्व-बोली बैठक की तारीख और समय	27 अक्टूबर, 2026 को सुबह 11:00 बजे **स्थान: RBI रायपुर**
vii.	RBI वेबसाइट/CPPP पर पूर्व-बोली बैठक की मिनट्स प्रकाशित करने की तारीख	29 अक्तूबर, 2026
viii.	ई-टेंडर की शुरुआती तिथि Part I (तकनीकी-वाणिज्यिक बोली) और Part II (मूल्य बोली) के लिए जमा करने के लिए	29 अक्टूबर, 2026 को सुबह 11:00 बजे से
ix.	EMD जमा करने की अंतिम तारीख और समय	4 नवंबर, 2026 तक दोपहर 12:00 बजे तक (एनईएफटी/आरटीजीएस के मामले में हमारे खाते में प्रतिबिंबित होना चाहिए या डीडी/बीजी के मामले में हमें भौतिक रूप से सौंपा जाना चाहिए)
x.	टेंडर जमा करने की अंतिम तारीख और समय	4 नवंबर 2026 तक 02:00 अपराह्न

xi.	a. खुलने की तारीख और समय भाग I (तकनीकी-वाणिज्यिक बोली) b. भाग II (मूल्य बोली) खोलने की तिथि	4 नवंबर, 2026 को शाम 5:00 बजे टेंडर का भाग II केवल उन बोलीदाताओं के लिए खोला जाएगा जो भाग I प्रस्तुतियों की जांच के बाद योग्य पाए जाते हैं। योग्य बोलीदाताओं को अलग से ईमेल के माध्यम से सूचित किया जाएगा
xii.	इस टेंडर पर किसी भी स्पष्टीकरण / ईएमडी आदि के विवरण के संबंध में अधिकारियों के नाम	नाम: अंकित वी शुक्ला ईमेल: ankitshukla@rbi.org.in मोबाइल नंबर: 8655506855 नाम: सौरभ वर्मा ईमेल: saurabhverma1@rbi.org.in मोबाइल नंबर: 8871019574

महाप्रबंधक (प्रभारी अधिकारी),
रायपुर क्षेत्रीय कार्यालय,
भारतीय रिजर्व बैंक

Reserve Bank of India
Estate Department
Regional Office Raipur

E-Tender/bid for

Interior Renovation of B block 1st floor in Regional Office Building Including Civil, MEP, HVAC, Electrical, and Allied Works at Reserve Bank of India (RBI), Raipur

Part – I

(Techno commercial bid)

General manager (O-I-C),
Raipur Regional office,
Reserve Bank of India, sector 24,
Atal Nagar, Naya Raipur 492101

Index

Part I - Techno Commercial Bid

S.No	Particulars			Page No.
1.	Section I	**NOTICE INVITING TENDER (NIT)**		**6–8**
2.	Section II	**FORM OF TENDER**		**9–11**
3.	Section III	**INSTRUCTIONS TO THE BIDDERS**		**12–18**
	Clause	1.	Name of the Work	12
		2.	Brief scope of work	12
		3.	E-Tender on Central Public Procurement Portal (CPPP)	12
		4.	Eligibility Criteria	12
		5.	Tendering Process	15
		6.	Earnest Deposit Money (EMD)	15
		7.	Pre-bid Meeting	16
		8.	Deviations	16
		9.	Validity	16
		10.	Language	17
		11.	Rates in price-bid (Part II)	17
		12.	Successful bidder	17
		13.	Article of Agreement	17
		14.	Site condition	17
		15.	Debarment/court case	18
		16.	Countries sharing Land Border with India	18
	Section III (A)	**EVALUATION CRITERIA**		**19–21**
4.	Section IV	**GENERAL RULES AND CONDITIONS OF CONTRACT**		**22–45**
	Clause	1.	General Rules and Conditions of Contract	22
		2.	Interpretation Clause	22
		3.	Scope of Contract	24
		4.	Variations to be approved by The Bank	24
		5.	Drawings, Bill of Quantities & Agreement	25

S.No	Particulars			Page No.
		6.	Contractor to provide everything necessary at his cost	25
		7.	Authorities, Notices and Patents	25
		8.	Setting out of work	26
		9.	Materials and workmanship to conform the descriptions	26
		10.	Contractor's superintendence and representative on the works	26
		11.	Dismissal of Workmen	26
		12.	Access to Works	26
		13.	The Bank's Representative	27
		14.	Assignments and Sub-letting	27
		15.	Alterations, additions, omissions etc	27
		16.	Bill of Quantities	27
		17.	Sufficiency of Bill of Quantities	28
		18.	Measurement of Works	28
		19.	Measurements Book	28
		20.	Prices for extras etc. ascertainment of	29
		21.	Unfixed materials	30
		22.	Removal of improper work	30
		23.	Defects after virtual completion	31
		24.	Certificate of virtual completion	31
		25.	Nominated Sub-Contractor	31
		26.	Other persons employed by The Bank	32
		27.	Insurance in respect of damage to person and property	32
		28.	Date of Commencement and Completion	35
		29.	Liquidated damages	35
		30.	Delay and Extension of Time	35
		31.	Failure by Contractor to comply with The Bank's instructions	37
		32.	Termination of Contract by the Bank	37

S.No	Particulars			Page No.
		33.	Termination of Contract by Contractor	38
		34.	Certificates and Payments	39
		35.	Delayed Payment	40
		36.	Settlement of dispute by Arbitration	40
		37.	Right of technical scrutiny of final bill	41
		38.	The Bank entitled to recover compensation paid to workmen	41
		39.	Abandonment of Works	41
		40.	Return of surplus materials	42
		41.	Right of The Bank to terminate Contract in the event of death of Contractor	42
		42.	Accident Reports	42
		43.	Prevention of Sexual Harassment at workplace	42
		44.	Non – Disclosure clause	43
		45.	Program chart/ Progress report	43
		46.	Statutory Approvals	43
		47.	Debarment/Disqualification	44
		48.	Packing and dispatch	45
		49.	Police Verification	45
5	Section V	**SPECIAL CONDITIONS OF CONTRACT**		**46–49**
		1.	Time for completion	46
		2.	Security Deposit Money (SDM)	46
		3.	Payment Terms	47
		4.	Architect drawing and Basic price	48
6	Section VI	**APPENDIX HEREINBEFORE REFERRED TO**		**50**
7	Section VII	**SAFETY CODE**		**51–52**
		A.	GENERAL SAFETY	51
		B.	FIRE AND ELECTRICAL SAFETY	52
8	Section VIII	**SCOPE OF WORK**		**53**
9.	Section IX	**TECHNICAL SPECIFICATIONS: CIVIL & INTERIORS**		**54–114**

S.No	Particulars		Page No.
10	Section X	**TECHNICAL SPECIFICATIONS: HVAC AND ELECTRICAL WORKS**	**115–126**
10.	Section XI	**a. LIST OF APPROVE MAKE FOR CIVIL AND INTERIOR WORKS**	**127–131**
		b. LIST OF APPROVED MAKES FOR HVAC AND ELECTRICAL WORKS	**132–134**
11	**Annexures**		135–158
1.	Annexure I	Format for power of attorney for signing of proposal	135
2.	Annexure II	Process of E-Tendering on CPPP	136
3.	Annexure III	Format for details of Firm/Bidder	137–138
4.	Annexure IV	Format for Eligible works	139
5.	Annexure V	Format for Banker's certificate/solvency certificate	140
6.	Annexure VI	Proforma of Bank Guarantee In Lieu Of Earnest Money Deposit	141–142
7.	Annexure VII	Deviation in Techno- Commercial Conditions	143
8.	Annexure VIII	Format of Article of Agreement	144–152
9.	Annexure IX	Proforma of Performance Bank Guarantee /Retention Money Deposit	152–153
10.	Annexure X	Proforma for Undertaking / Declaration / Certificate by the Bidder regarding country sharing land border with India	154–155
11.	Annexure XI	Undertaking on Legal Actions / Civil Lawsuits / Litigation / Arbitration by the Bidder	156
12.	Annexure XII	Declaration of debarment by public institutions	157
		DRAWINGS	158

Section-I

Notice Inviting E-Tender (NIT)

Interior Renovation of B block 1st floor in Regional Office Building Including Civil, MEP, HVAC, Electrical, and Allied Works at Reserve Bank of India (RBI), Raipur

The Raipur Regional office, Reserve Bank of India, invites open E-tender in two parts for captioned work. The estimated cost of the work is ₹ 357.88 Lakh and is to be completed within 90 days.

2. The e-tender will be carried out by **Central Public Procurement Portal (CPPP)** https://etenders.gov.in/eprocure/app as third party on behalf of RBI. Therefore, interested firms are required to register on the CPP portal to participate in the tendering process. The detail regarding the registration on CPPP and procedure of e tendering has been attached at **Annexure II.** E-Tender shall be submitted online in two parts. **Part I** of the e-tender will contain the standard technical and commercial conditions for the proposed work and **Part II** of the e-tender will contain the price bid. All required annexures along with documentary proofs will also be uploaded along with **Part I** of the tender. This is an e-tender bid and the bidders are not required to be present for opening.

3. The Bank is under no obligation to accept the lowest bid and reserves the right to accept any tender either in whole or in part. The Bank reserves the right to reject any or all tenders at its sole discretion, without providing any reason therefor.

4. The Bank reserves the right to issue addendum / corrigendum/ minutes/ pre-bid meeting, which shall be published solely on the official website of RBI and CPPP. Such updates shall form an integral part of the tender document, and no separate notification will be sent to the individual bidders. It is the sole responsibility of the bidder to monitor these portals for any amendments.

5.The schedule for the tender (SOT) is as follows

	E-Tender No.	RBI/RRO/EST/26-27/1
i.	Mode of Tender	e-Procurement System (Online Part I – Techno-Commercial Bid and Part II - Price Bid through CPP Portal https://etenders.gov.in/eprocure/app
ii.	Estimated Cost	**357.88 Lakh**
iii.	Time period for completion of the work	**90 Days**
iv.	Earnest Money Deposit (EMD) (Only through NEFT/Demand Draft/Bank Guarantee)	**₹7,15,760/-** to be remitted through **a) NEFT / RTGS** A/C No: 1 8 6 0 0 3 0 0 1 Beneficiary Name: Reserve Bank of India Raipur IFSC Code: RBIS0RPPA01 (5th and 10th digits are zero) Or **b) Demand Draft/Bank Guarantee:** In favour of Reserve Bank of India to be delivered in physical form at Reserve Bank of India, Raipur Regional Office, Sector 24, Nava Raipur- 492101
v.	Date of availability of E-Tender Document for download on CPP portal /RBI website	October 21, 2026 from 11:00 AM onwards
vi.	Date and time of pre-bid meeting	October 27, 2026 at 11:00 AM **Venue**: RBI Raipur
vii.	Date of Publishing minutes of pre-bid meeting on RBI website/CPPP	October 29, 2026
viii.	Starting date of e-tender for submission of Part I (Techno-Commercial Bid) and Part II (Price Bid) at	October 29, 2026 from 11:00 AM onwards
ix.	Last date and time of submission of EMD	November 04, 2026 till 12:00 PM (Must be reflected in our account in case of NEFT/RTGS or must be delivered to us physically in case of DD/BG)
x.	Last Date and time of submission of Tender	November 04 2026 till 02:00 PM

xi.	a. Date and Time of opening of Part I (Techno-Commercial Bid) b. Date of opening of Part II (Price Bid)	November 05, 2026 on 02:00 PM Part II of the tender will be opened only for those bidders who are found eligible upon scrutiny of the Part I submissions. The eligible bidders will be informed separately through email
xii.	Name of officers regarding any clarification on this tender /forwarding the detail of EMD etc.	Name: Ankit V Shukla Email: ankitshukla@rbi.org.in Mobile Number: 8655506855 Name: Saurabh Verma Email: saurabhverma1@rbi.org.in Mobile Number: 8871019574

General manager (O-I-C),
Raipur Regional office,
Reserve Bank of India

Section II
Form of Tender

General manager (O-I-C),
Raipur Regional office,
Reserve Bank of India, sector 24,
Atal Nagar, Naya Raipur 492101.

Madam/Dear Sir,

Having examined the drawings, specifications, designs and Bill of Quantities relating to the works specified in the Memorandum hereinafter set out and having visited and examined the site of the works specified in the said Memorandum and having acquired the requisite information relating thereto as affecting the Tender, I/we hereby offer to execute the works specified in the said memorandum within the time specified in the said memorandum at the rates mentioned in the attached Bill of Quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in the General Instructions to Bidders, Articles of Agreement, special condition of contract, general condition of contract hereinbefore referred to, specifications, data sheet and Bill of Quantities and with such materials as are provided for, by and in all other respects in accordance with such conditions so far as they may be applicable.

MEMORANDUM

i.		Name of works	Interior Renovation of B block 1st floor in Regional Office Building Including Civil, MEP, HVAC, Electrical, and Allied Works at Reserve Bank of India (RBI), Raipur
ii.		Estimated cost	357.88 Lakh
iii.		Payment Terms	As per clause 3 of Section V Part I of tender
iv.		Earnest Money Deposit	₹7,15,760/-

v.		Performance Bank Guarantee	As per clause 2 of Section V Part I of tender
vi.		Time of completion	As per clause 1 of Section V Part I of tender
vii.		Amount to be deducted from each bill	@ 5% is to be recovered from each on-account bill till the total recovery amounts to 5% of the contract value as stipulated in the tender document or submit BG of @ 5% of contract value.

2. We also agree that our tender will remain **valid for acceptance by the Bank for 90 days** from the date of opening of Part I of the tender and this period of validity can be extended for such period as may be mutually agreed between the Bank and us in writing. We also agree to keep the **Bank Guarantee towards earnest money deposit (EMD)** valid during the entire period of validity of tender and the extended period, if any, as per enclosed proforma **(Annexure VI).**

3. Should our tender be accepted, we hereby agree to abide by and fulfil all the terms and conditions of the contract. In the event of any default on our part, we acknowledge the Bank's right to forfeit our Earnest Money Deposit [EMD] and agree to pay the Bank or its successors, or assignees or nominees, any such sums of money as are stipulated in the said conditions.

4. Should our Tender be accepted, we hereby agree to abide by and fulfil all the terms and conditions of the Tender. In the event of any default thereof, we acknowledge the Bank's right to forfeit ……and agree to pay to the Bank or its successors, or assignees or nominees such sums of money as are stipulated in the conditions contained in the tender together with the written acceptance of the Contract.

5. We acknowledge that you reserve the right to accept or reject any or all the tenders, either in whole or in part, without assigning any reason thereof. If we fail to execute the Contract when called upon to do so, we hereby agree that EMD deposited shall be forfeited by the Reserve Bank of India.

6. We hereby declare that we shall treat the tender documents and other records connected with the work as secret/confidential documents. We undertake not to communicate any information/derived therefrom to any person other than a person to whom I/We am/are

authorized to communicate the same nor shall we use the information in any manner that could be prejudicial to the safety, security or interests of the Reserve Bank of India.

Dated this ……..day of …….. 2026.

For and on behalf of M/s ……..

_____
(Signature of authorized signatory with seal)

Name _____

Designation _____

Place _____

Date _____

(Certified true copy of Board Resolution or mandate or Power of Attorney of the above signatory as authorized signatory should be enclosed as per format Annexure I.)

Section III
General Instructions to the Bidders

This is an open e-tender enquiry in two parts i.e. Part I (Techno Commercial) I & Part II (Price bid). Only those bidders who are qualified for the work as per pre-qualification/eligibility criteria stipulated in the tender are eligible to participate in this tender.

2. **Brief Scope of work**: A brief scope of the work is as below.

Interior Renovation of B block 1st floor in Regional Office Building Including Civil, MEP, HVAC, Electrical, and Allied Works at Reserve Bank of India (RBI), Raipur

However, detailed scope of the work is mentioned at **Section VIII** of this tender.

3. **E-Tender on CPPP**: The procedure for e -tendering has been detailed at Annexure II. The details of firms required to be furnished in format specified at Annexure III. The estimate cost of the work with completion period has been mentioned in section I.

4. **Eligibility Criteria**:

4.1 **Duration of past experience**: Should have minimum 7 years of experience of executing similar works* (during last 7 years ending last day of month previous to the one of which tenders are invited). Bidder should furnish their Client list showing the details of work carried out by them during the last 7 years. The list shall include details such as Name of the Client, Value of work executed, Date of Start and Finish of the work, Reasons of delay, if any, etc. The bidder should submit documentary evidence in support of minimum experience of 7 years (i.e.; If the advertisement is issued in the year 2026, then the bidder should have undertaken work in 2019).

and

4.2 **Minimum value of each completed work (qualifying)**: Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one of which tenders are invited should be either of the following:

i. Three similar completed works each costing not less than the amount equal to 40% of the estimated cost.

or

ii. Two similar completed works each costing not less than the amount equal to 50% of the estimated cost.

or

iii. One similar work costing not less than the amount equal to 80% of the estimated cost.

*** Similar work**:. "Similar Work" means turnkey interior furnishing of offices, institutional buildings, corporate headquarters, banking facilities, government buildings, business centres, public sector facilities, including furniture, false ceiling, flooring, electrical, MEP and allied services.

and

4.3 **Yearly turnover**: Minimum yearly turnover of 100% of the estimated cost during last 3 financial years supported by audited financial statements

and

4.4 **Solvency:** Should furnish solvency certificate issued by the bidder's banker, specifically for the purpose of the work, for an amount equal to the estimated cost of the work.

and

4.5 **Service setup:** Full-fledged service setup should be available for the specified job at Raipur

4.6 The Bidders should invariably furnish the following information/documents along with the tender documents to satisfy the Bank about their eligibility for participation in the e-Tendering process Eligibility.

i.	Details of bidder	Full particulars (whether Bidder is an individual, or a partnership firm, or a company etc.,) of the composition of the firm of bidders in details should be uploaded along with name(s) and address (es), of the partner's copy of the Articles of Association/ Power of Attorney/other relevant document. **Refer : Annexure I & III**
ii.	Work experience & Completion of similar works of specified value during the specified period	(i) Bidder should fill up the information in **Annexure IV** annexed hereto indicating client-wise names of Similar Services awarded and actual cost(s), completion date stipulated in Contract and actual date of completion, etc. and should submit along with the documentary evidence as proof of minimum **Seven** years of experience of completed Similar Services. a) Copies of detailed work order/s and agreement, indicating date of award, Contract amount, scope of the work/services, time given for completing the work, etc. and the corresponding completion certificate(s) 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, agreement, work completion certificate along with Tax Deducted at Source (TDS) certificate(s) issued by the client(s) for works executed for private companies. (ii)The details along with documentary evidence of previous experience, if any, of carrying out works for the Reserve Bank of India at any other office should also be given.
iii.	Credit worthiness of the bidder and their turnover during the specified period	Income Tax Assessment Orders along with the latest final accounts of the business of the firm duly certified by a Chartered Accountant should be enclosed in proof of their creditworthiness and turnover for last three years.
iv.	Service setup	Certificate from the manufacturers/any other valid document in support of having a full-fledged service setup at Raipur should be enclosed. **(Annexure III)**
v.	Client certificates	Completion Certificate in client's Letterhead**.**
vi.	Solvency/ Banker Certificates	In the format of **Annexure V**
vii.	Turnover	**Audited financial statements** for last three financial years i.e. 2023-24, 2024-25 and 2025-26 along with a **certificate of Chartered Accountant** indicating the turnover for these financial years

4.7 Bidder, intending to apply, will have to satisfy the Bank by furnishing documentary evidence in support of their possessing required eligibility. The bank reserves the right to reject the candidature of any bidder who fails to do so. While the Bank retains the right to request clarification or missing administrative certificates and independently verify them, any document found to be fabricated, forged, or altered will lead to immediate rejection of the bid and potential debarment..

4.8
The Bank shall obtain reports on the past performance of the bidders from their clients and bankers alongside validating submitted solvency certificates. Evaluation of the said reports shall be completed before opening of the Part – II of the tenders. If any bidder is not found to possess the required eligibility at any stage of the process, or if his performance reports received from his clients/bankers are found unsatisfactory, the Bank reserves the right to reject his offer even after opening of Part - I of the tender. Consequently, his Part II bid will not be opened and the EMD shall be returned to him in its original form. The Bank is under no obligation to assign any reason for such actions.

5. **Tendering Process**: **a.** The tenders for the above work in **two parts** i.e., **Part I** containing commercial-technical bid of captioned tender, and the terms and conditions (Rates and amounts of items shall not appear anywhere in this part) and **Part II** containing only rates need to be uploaded at CPP portal as per NIT.

b. Part I of the tender will be opened at the date and time mentioned in the NIT.

c. Part II of the eligible bidders will be opened on a subsequent date under intimation to all the bidders. The detail evaluation criteria is mentioned at **Section III (A)**

Note: All the information/Annexures called for, shall be complete in all respects and to be uploaded in CPP portal with supporting documents. Information furnished on sheets other than those supplied may not be considered. However, the bidders can upload only the relevant catalogues/leaflets/brochures of the manufacturers of the equipment offered.

6. **Earnest Deposit Money (EMD) :** Intending bidders shall pay an Earnest money a sum of mentioned at section-I NIT by way of NEFT to the Bank or by a Demand Draft or Banker's Cheque drawn on any scheduled commercial bank in favour of Reserve Bank of India payable at **Raipur**. Alternatively the bidder may also furnish an irrevocable Bank Guarantee/**eBG** (electronic BG)from any scheduled commercial bank for an equivalent amount towards EMD in the proforma enclosed (Annexure – VI). The Bank Guarantee submitted towards EMD shall remain valid minimum up to 90 days (matching the tender validity period at Clause 9 of Section III) from the last date of submission of tenders. The proof of NEFT/DD/Bank Guarantee details should be uploaded along with technical bid / Part I and also to be sent by email as mentioned in NIT. No interest shall be paid on EMD. A tender, which is not accompanied by EMD in the form as mentioned above, shall be treated as non-responsive, and will be summarily rejected by the Bank.

i. The EMD of the unsuccessful bidders shall be returned after award of work to the successful bidder. The EMD of the successful bidder shall be returned after submission of requisite Bank Guarantee towards security deposit (Refer clause 2 of section V) for completion period extended up to defect liability period.

ii. **EMD shall be forfeited if the Bidder**:

a. makes misleading or false representations in the forms, statements and attachments submitted, has 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

b. withdraws his Bid during the period of Bid validity; or does not sign the contract after award of Contract.

c. has been blacklisted by any Government agency and the blacklisting is in force as on date of notice inviting the tender.

d. withdraws bid after opening of the price bid.

e. fails to commence the work awarded within the prescribed time limit.

f. fails to sign article of agreement within 14 days after issue of work order.

7. **Pre-bid Meeting**: A pre-tender briefing meeting of the bidders will be held on date and place as per NIT, to clarify any point / doubt raised by them in respect of the tender. No separate communication will be sent for this meeting. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a bidder.

i. All communications regarding points requiring clarifications shall be given in writing/email to the address mentioned in NIT by the eligible bidders one day before said meeting.
ii. Bidders are encouraged to attend the pre-bid meeting to seek clarification on any issue related to the tender from the Bank. No request for change in date of pre-bid meeting will be entertained thereafter. If a firm don't attend pre bid meeting, no clarification in future will be entertained and Minutes of Pre Bid meeting will be binding on them.
iii. Inclusion/submission of any deviations in the tender conditions in Part I of the tender after pre-bid meeting may be liable for rejection.
iv. The minutes of pre-bid meeting and corrigendum/modification/addendums issued regarding bidding process if any, will be hosted in the Bank's website and CPPP only and shall not be published in any Newspaper.

8. **Deviations**: The Bank discourages the stipulation of any addition conditions by the bidder. However, if the intending bidders feels that any of the terms and conditions of the tender documents (Techno- commercial) are not acceptable to them or they feel that additional terms and conditions are required to be incorporated, they may indicate these conditions or additional or amended conditions uploaded in the format as per **Annexure VII.** The submitted deviations will be examined and after discussions with all the bidders, the conditions that are accepted to the Bank will be intimated to the bidders. If accepted condition affect the price than all the bidders will be advised to quote a percentage above or below their tendered amount already submitted in part II. The quoting of such as a percentage above or below their tendered amount shall have a definite bearing on the condition/s the bidders have to withdraw or additional benefit liable to be received as per the condition accepted by the Bank. The letter containing the bidder's quoting percentage above or below their quoted tendered amount should be submitted in sealed cover on or before date fixed to department subsequently and advised to the bidders. This letter together with already submitted tendered rate shall be called Part II, will be opened in presence of the representatives of firms on the due date advised. All other terms and conditions on which there are no observations by the intending bidders shall be constructed as acceptable to the bidder.

9. **Validity**: Tenders shall remain open to acceptance by the Bank for a period of 90 days from the date of opening Part I of the Tender. This period may be extended by mutual agreement in writing and the bidder shall not cancel or withdraw the tender during this period.

10. **Language**: The Tender form shall be filled in English or in Hindi In the event of any discrepancy or ambiguity between the English and Hindi version of the documents, the English version shall prevail in matters of interpretation.

11. **Rates in price-bid (Part II)**: All the payment will be made in INR

i. The rates shall be quoted for complete work, i.e.shall include charges for all taxes, scaffoldings, consumable, labor, transport, insurance, storage, workmen compensation & third party liability policies, etc., at the specified site till the work is finally handed over to the Bank. No concessional form for any taxes, duties and levies will be issued by the Bank. Equipment, if required to be imported shall be arranged to be imported against the bidders own import license.

ii. The rates inclusive of insurance cover as mentioned in the special conditions of the contract.

12. **Successful bidder**: as per evaluation criteria mentioned at section III(A) .

13. **Article of Agreement :** On receipt of formal intimation/ letter of Award/work order of the acceptance of his/their tender from the Bank, the successful bidder shall be contractually bound to sign/execute an **Article of Agreement** (**as per format Annexure VIII**) within 14 days from the date of issue of work order. The agreement should be executed on a non-judicial stamp paper of required value as per applicable stamp act and the cost for the same shall be borne entirely by the bidder.

If the successful bidder fails to sign and execute the formal Article of Agreement within **14 days** from the date of issuance of the work order/Letter of Award, such failure shall constitute a breach of the tender conditions. In such an event, the Bank reserves the absolute right to:

i. **Cancel the award** of the contract.

ii. **Forfeit the Earnest Money Deposit (EMD)** absolutely, without any notice or financial liability to the bidder.

iii. **Blacklist or debar** the bidder from participating in future tenders of the Bank for a specified period.

14. **Site condition**: The work has to be carried out in an occupied office Building which may restrict the availability of work fronts during working hours. The bidders are therefore advised to plan for execution of work beyond Bank's normal working hours and full day working on hours during the Saturdays/Sundays/Bank's holidays subject to availability of site. The above aspect may be kept in mind while submitting the tenders.

i. It is essential that the Bidder gives special attention and priority to all matters concerning safety, protection from dust and loose materials, reduction of noise levels, protection from water and air infiltration into Building, and maintenance of neat and orderly conditions in

and around work areas inside and outside of Building. Packaging, scrap materials and demolition debris shall be promptly removed from the building and site on a daily basis.

ii. If the contract includes works, which will be disruptive during normal business operations, or would be dangerous to Building occupants, said works shall be performed during hours as the Bank dictates. The Bidder shall perform such work during The Bank dictated hours and shall include all costs in its tender.

15. **Debarment/court case**:

I. If the bidder has been convicted of an offence— (a) under the Prevention of Corruption Act, 1988; or (b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract. In this regard, Bidder shall submit a copy of Undertaking / Declaration / Certificate on their letter head duly sealed and signed by the authorized signatory in the format given in **Annexure XI**.

II. The bidder shall submit declaration of debarment by any public institution in the format as given in **Annexure XII**.

16. **Conformity to the rules on Contractor from Countries sharing Land Border with India:** The instruction / rules issued by Public Procurement Division, Department of Expenditure, Ministry of Finance, Government of India, vide Office Memorandum (OM) F. No. 6/18/2019-PPD dated July 23, 2020, in respect of s from bidder countries sharing land border with India and subsequent revisions and Public Procurement Orders issued in furtherance thereto shall be mandatory. In this regard, bidder shall submit a copy of Undertaking / Declaration / Certificate on their letter head duly sealed and signed by the authorized signatory in the format given in **Annexure X**.

----------x----------

Section III (A) Evaluation Criteria

Step 1: Minimum Eligibility Scrutiny

1) Bidders are first evaluated on Minimum Eligibility criteria, including experience in similar completed works, financial turnover, solvency, and any additional qualifying criteria.
2) Simultaneously, the Bank (RBI) will assess all completed works submitted in the prescribed formats.
3) Only completed works that meet the minimum eligibility criteria will be considered for scoring under 'Eligible Completed Similar Work'.

Step 2: Technical Evaluation Matrix

Bidders qualifying in Step 1 will be scored based on the details furnished, using the following matrix:

Section	Attribute	Sub-Criteria & Marks	Max Marks	Evaluation Scoring Rule
(a)	Financial Strength	Average annual Turnover: 16 Marks Banker's Solvency Certificate: 4 Marks	20	60% marks for meeting minimum eligibility. 100% marks for doubling (or exceeding) minimum eligibility. Pro-rata basis for values in between.
(b)	Work Experience	Experience in eligible similar work during the last 7 years: 20 Marks	20	60% marks for meeting minimum eligibility. 100% marks for doubling (or exceeding) minimum eligibility. Pro-rata basis for values in between.
(c)	Performance on Works (Time Overrun)	As per Work Completion certificate or client-certified supporting document	20	Based on the average score of all eligible completed. similar works submitted by the bidder.

				4 Marks will be deducted for every 20% time overrun. Pro-rata basis for values in between.

Step 3: Price Bid Eligibility

a) To qualify for the price bid opening, a bidder must score at least 50% in each individual section (a, b, and c) and achieve a minimum of 60% in aggregate.
b) Additionally, bidders must have successfully completed similar works within the last 7 years up to the initial stipulated tender submission date.

General Evaluation Process and Award Rules

i. EMD Submission: Tenders are evaluated only for bidders who upload proof of Earnest Money Deposit (EMD) submission on or before the due date in the first e-cover (Part I: Techno-Commercial Bid).
ii. Document Verification: All requisite documents must be submitted in the first e-cover. The Bank will verify their correctness, legality, and adequacy, and reserves the right to request missing documents or verify certificates independently.
iii. File Legibility: Bidders must ensure uploaded files are uncorrupted and readable. The Bank bears no liability and reserves the right to reject bids with inaccessible documents without further consideration.
iv. Disqualification: Price bids of technically disqualified bidders will not be opened, and they will be formally notified of their disqualification.
v. Price Bid Opening: The second e-cover (Part II: Price Bid) will be opened only for bidders who qualify in Part I.
vi. Award of Contract: The contract is awarded to the successful bidder with the lowest price (L1).
vii. Tie-Breaker Rules: If two or more lowest bidders quote the exact same amount, they will be asked to submit a revised discount offer in a sealed envelope. If a bidder declines to revise their bid downward, their original bid remains valid, and the lowest revised offer wins. If revised offers are still equal, the firm with the highest average turnover over the last three financial years will be awarded the contract.

Section IV

General Rules and Conditions of Contract

Interpretation Clause

In construing these Conditions, the Scope of work, Specifications, Bill of Quantities and Contract Agreement, the following words shall have the meanings herein assigned to them except where the subject or context otherwise required.

i.	"RBI"	Shall mean Reserve Bank of India, having its Central Office at Shahid Bhagat Singh Road, Mumbai– 400001 and having its Regional Offices at various places.
ii.	"Bank"	Shall mean The Reserve Bank of India and shall include its assigns and successors.
iii.	"Tender document"	Shall mean document named as such issued by the Bank to the Contractors inviting Bids for the Project.
iv.	"Bidder"	who submits the bids/tenders. It may be partnership firm, individual firm and a company. Legal representatives of a deceased partner.
v.	"Contractor "	Contractor is the successful contractor who has been officially awarded to execute the work. It may be partnership firm, individual firm and a company. Legal representatives of a deceased partner.
vi.	"Site"	Shall mean the site of the contract works including any Building and erections thereon and any other land (inclusively) as aforesaid allotted by the Bank for the Contractor's work.
vii.	"Contract"	Shall mean and include the all sections of the tender document, corresponding letters, work order, Articles of Agreement, CAMC agreement and minutes of pre-bid etc. attached hereto and duly signed.
viii.	"Notice in writing"	Or written notice shall mean a notice in written, typed or printed characters sent (unless delivered personally or otherwise proved to have been received) by registered post

		to the last known private or business address to have been received when in the ordinary course of post it would have been delivered. The communication delivered by any accepted electronic means shall also be deemed to be written notice.
ix.	"Act of Insolvency"	Shall mean any Act of Insolvency as defined by the **Insolvency and Bankruptcy Code (IBC), 2016** or any Act amending such original.
x.	"Net Prices"	The price of item mentioned in part II of the tender at CPPP.
xi.	"Market Rate"	shall be the rate as decided by the The Bank on the basis of the cost of materials and labour at the site where the work is to be executed plus the percentage mentioned in clause 19(e) to cover all overheads and profits.
xii.	"The works"	Shall mean name of the tender mentioned in the NIT.
xiii.	Day/Month/Year	Shall mean Calendar Day/month/year
xiv.	Working Day	Shall mean The days when Bank's office is working i.e. Days excluding Public holidays, Saturdays and Sundays
xv.	Engineer-in-charge/Bank's Engineer/Bank's representative	Means the Officer employed and paid by the Bank and acting under the orders of the Bank who shall supervise and be in-charge of the work. All works to be executed under the contract shall be executed under the direction and subject to the approval of the Bank's representative in all respects.
xvi.	Manufacturer	refers to a person or firm who is the producer and furnisher of the material or designer and fabricator of equipment
xvii.	Contractor's Works or Manufacturer's Works	Shall mean and include the land and other places which are used by the CONTRACTOR/FABRICATOR or SUB-CONTRACTOR/SUB-FABRICATOR for the manufacture of "Equipment" or performing the "Works".
xviii.	Contract Price or Contract	Amount shall mean the total amount as calculated from quoted unit rates by the successful contractor and quantities mentioned in the Bill of Quantities (Price Bid) and as

		accepted by the Bank and indicated in the letter of award of work.
xix.	Contract Period	Shall mean the period specified in the tender document for execution of the contract/ completion of the work, including any authorized extended period by the Bank
xx.	Contract Agreement	Shall mean the agreement signed between the Contractor and the Bank for the execution of the Project.

2. **Scope of Contract**

The Contractor shall carry out and complete the said work in every respect in accordance with this Contract and with the directions of and to the satisfaction of the Bank. The Bank may in his absolute discretion and from time to time issue further drawings and/or written instructions, details, directions and explanations, which are hereafter collectively referred to as ”Bank’s Instructions” in regard to :

i. The variation or modification of the design, quality or quantity of works or the addition or omission or substitution of any work.
ii. Any discrepancy in the Drawings or between the Bill of Quantities and/or Drawings and/or Specifications.
iii. The removal from the site of any materials brought thereon by the Contractor and the substitution of any other material therefor.
iv. The removal and/or re-execution of any works executed by the Contractor.
v. The dismissal from the works of any persons employed by the Contractor thereupon.
vi. The opening up for inspection of any work covered up.
vii. The amending and making good of any defects under Clause 21 hereof.

The Contractor shall forthwith comply with and duly execute any work comprised in such Bank’s instructions. Verbal instructions, directions and explanations given to the Contractor or his representatives upon the works by the Bank shall, if involving a variation, must be confirmed in writing by the Contractor within seven days, and if not dissented from in writing within a further seven days by the Bank, such shall be deemed to be Bank’s instructions within the scope of the Contract. Where the context so requires, words imparting the singular only also include the plural and vice versa. Any reference to masculine gender shall whenever required include feminine gender and vice versa.

Necessary “**Site instruction Book, Hindrance Register, Labour Register**” **strictly maintained by contractor on daily basis and got duly authenticated from The Bank** .

3. **Variations to be approved by Bank**

All the variation in the scope of the work shall be approved by the Bank's Engineer. The Contractor shall submit a statement of variations giving a quantity and rates duly supported by analysis of rates, vouchers etc. The rates on scrutiny and final acceptance by the Bank shall form a supplementary tender. The Bank shall not be liable for payment of such variations until these statements are approved by the Bank's Engineer.

4. **Drawings, Bill of Quantities & Agreement**

The Contract shall be executed in duplicate and the Contractor shall be entitled to one executed copy for his use. The contractor shall pay the applicable stamp duty on the agreement. Before the issue of the final certificate to the Contractor, he shall forthwith return to the Bank all Drawings and Specifications.

5. **Contractor to provide everything necessary at his cost**

The Contractor shall provide at his cost, everything necessary for the proper execution of the works according to the intent and meaning of the Drawings, Bill of Quantities and Specifications taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred therefrom, and if the Contractor finds any discrepancy in the Drawings or between the Drawings, Bill of Quantities and Specifications, he shall immediately and in writing refer same to the Bank who shall decide which is to be followed. The Contractor shall provide all works under this specification in full accordance with Health and Safety Regulations.

6. **Authorities, Notices and Patents**

The Contractor shall conform to the provisions of any Act of the Legislature relating to the works and any other aspect thereto such as compliance to the various labour codes, and to the regulations and bye-laws of any authority, and of electric supply and other companies and/or authorities with whose systems, the installation is proposed to be connected and shall, before making any variations from the Drawings or Specifications that may be necessitated by so conforming, give to the Bank, written notice, specifying the variation proposed to be made and the reason for making it and apply for instructions thereon. In case the Contractor shall not receive such instructions **within ten days**, he shall proceed with the work conforming to the provisions, regulations or byelaws, in question, and any variation so necessitated shall be dealt with under Clause No. 14 thereof.

The Contractor shall bring to the attention of the Bank, all notices required by the said Acts, regulations or bye-laws to be given to any authority and pay to such authority, or to

any public office, all fees that may be properly chargeable in respect of the works, and lodge the receipts with the Bank for payment.

The Contractor shall indemnify the Bank against all claims in respect of rights, and shall defend all actions arising from claims, and shall himself pay all royalties, license fees, damages, cost and charges of all and every sort that may be legally incurred in respect thereof.

7. **Setting out of work**

The Contractor shall set out the works and shall be reasonable for the true and perfect setting out of the same and for the correctness of the positions, levels, dimensions, and alignment of all parts thereof. If at any time any error in this respect shall appear during the progress of the works within a period of one year from the completion of the works, the Contractor shall, if so required, at his own expense, rectify such error to the satisfaction of the Bank.

8. **Materials and workmanship to conform the descriptions**

All materials and workmanship shall so far as procurable be of the respective kinds described in the Bill of Quantities and/or Specifications and in accordance with the Bank's instructions, and the Contractor shall upon the request of the Bank furnish him with all invoices, accounts receipts and other vouchers to prove that the materials comply therewith. The Contractor shall at his own cost arrange for and/or carry out any test of any materials which the Bank may require.

9. **Contractor's superintendence and representative on the works**

The Contractor shall provide all necessary personal superintendence during the execution of the works, and as long thereafter as the Bank may consider necessary until the expiration of the "**Defects Liability Period**" stated in the Appendix Section VI. The Contractor shall also during the whole time the works are in progress, employ a competent representative who shall be constantly in attendance at the works while the men are at work. Any directions, explanations, instructions or notices given by the Bank to such representative shall be held to be given to the Contractor.

10. **Dismissal of Workmen**

The Contractor shall on the request of the the Bank, immediately dismiss any person employed thereon by him from the works who may, in the opinion of the the Bank, is incompetent or committed any misconduct himself and such persons shall not be again employed on the works, without the permission of the the Bank.

11. **Access to Works**

The Bank and their respective representatives shall have free access to the works and/or the workshops, factories or other places at all reasonable times where materials are lying or from which they are being obtained and the Contractor shall give every facility to the Bank and their representatives necessary for inspection and examination and test of the materials and workmanship. No person not authorised by the Bank except the representatives of public authorities shall be allowed on the works at any time.

12. **The Bank's Representative: Assistant Manager (Tech)/Manager (Tech)/AGM(Tech)**

The term "Assistant Manager (Tech)/Manager (Tech)/AGM(Tech)" shall mean the person appointed and paid by the Bank to inspect the works, the Contractor shall afford the Assistant Manager(Tech)/Manager(Tech)/AGM(Tech), every facility and assistance for inspecting the works and materials and for checking and measuring time and materials. The Assistant Manager (Tech)/Manager (Tech)/AGM(tech) shall have power to set out works or to revoke, alter, enlarge or relax any requirements of the Contract or to sanction any work, additions, alterations, deviations or omissions or any extra work whatever, except in so far as such authority may be specially conferred by a written order with the prior concurrence in writing of the Bank.

The Assistant Manager (Tech)/Manager (Tech)/AGM(Tech)/AGM(Tech) or any representative of the Bank shall have power to give notice to the Contractor or to his representative of non-approval of any work or materials and such work shall be suspended or the use of such materials shall be discontinued by the Assistant Manager(Tech)/Manager (Tech) but such examination shall not in any way exonerate the Contractor from the obligation to remedy any defects which may be found to exist at any stage of the works or after the same is completed.

13. **Assignments and Sub-letting**

The whole of the works included in the Contract shall be executed by the Contractor and the Contractor shall not directly or indirectly transfer, assign or under-let the Contract or any part share thereof or any interest therein without the prior written consent of the Bank, and no undertaking shall relieve the Contractor from the full and entire responsibility of the Contract or from active superintendence of the works during their progress.

14. **Alterations, additions, omissions etc.**

No alteration, omission or variation shall vitiate this Contract but in case the Bank thinks proper at any time during the progress of the works to make any alterations in or additions to or omissions from the works or any alteration in the kind or quality of the materials to be used therein and shall give notice thereof in writing under his hand to the Contractor, the Contractor shall alter, add to or omit from, as the case may be, in accordance with such notice but the Contractor shall not do any work extra to or make any alterations or additions

to or omissions from the works or any deviation from any of the provisions of the Contract, Stipulation, Specifications or Contract Drawings without the previous consent in writing of the Bank and the value of such extras, alterations, additions or omissions shall in all cases be determined with the prior approval in writing of the Bank in accordance with the provisions of Clause 19 hereof, and the same shall be added to or deducted from the Contract Amount, as the case may be, accordingly.

15. **Bill of Quantities**

The Bill of Quantities, unless otherwise stated, shall be deemed to have been prepared in accordance with the Standard Method of Measurement.

Any error in description or in quantity or in omission of items from the Bill of Quantities shall not vitiate this contract but shall be rectified and the value thereof as ascertained under Clause 18 hereof, shall be added to, or deducted from the Contract Amount (as the case may be) provided that no rectification of errors, if any, shall be allowed in the Contractor's Schedule of Rates.

16. **Sufficiency of Bill of Quantities**

The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the prices stated in the Bill of Quantities and/or the Schedule of Rates and Prices which rates and prices shall cover all his obligations under the Contract, and all matters and things necessary for the proper completion of the works.

17. **Measurement of Works**

The Assistant Manager (Tech)/Manager (Tech) may from time to time intimate to the Contractor and the Bank that he requires the works to be measured, and the Contractor shall forthwith attend or send a qualified Agent to assist the Assistant Manager (Tech)/Manager (Tech) in taking such measurements and calculations and to furnish all particulars or to give all assistance required by any of them.

Should the Contractor not attend or neglect or omit to send such Agent, then the measurement taken by the Assistant Manager(Tech)/Manager (Tech) shall be taken to be correct measurements of the works. Such measurements shall be taken in accordance with the Mode of Measurement detailed in the Specifications.

The Contractor or his Agent may at the time of measurement take such notes and measurements as he may require.

All authorised extra works, omissions and all variations made with the prior approval in writing of the Bank shall be included in such measurements.

18. **Measurements Book**

a. The Bank shall, except as otherwise provided, ascertain and determine by measurement, the value in accordance with the contract of work done. The Interior Contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for measurements and recording levels.

b. Measurement of all items having financial value shall be entered in Computerized Measurement Book (CMB) so that a complete record is obtained of all works performed under the contract after joint measurement of Bank and authorized representative of the contractor. All bills (Running Account (RA) & Final bill) should be in bound volume of Computerised Measurements (A4 size) to be furnished by the contractor, duly machine numbered for pages, and with MB number to be given by the Bank. – Format of Measurement and Abstract Book as provided by the Bank.

c. The Bank Engineer shall incorporate necessary corrections in the sheets of MB. After incorporating the corrections, the Contractor shall submit revised copies. All pages of the finalized, computerized MB sheets, after due check / test check measurements shall have full signature with date of the authorized official of the Contractor.

19. **Ascertainment of prices for extras**

The Contractor may, when authorised by Bank, add to, omit from, or vary the works shown upon the drawings, or described in the Specification, or included in the Bill of Quantities, but the Contractor shall make no addition, omission or variation without such authorisation or direction. A verbal authority or direction issued by the Bank shall be deemed to have been given in writing, provided it is confirmed by the Bank in writing within seven (7) days of issuance of such instruction/direction.

No claim for any extra work shall be allowed unless it shall have been executed under provisions of Clause 2 hereof with the concurrence of the Bank as herein mentioned. Any such extra work is herein referred to as authorised extra and shall be made in accordance with the following provisions.

i. a. 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 upto 25% increase of quantity.

   b. Rates for all items, wherever possible, should be derived out of the rates given in the Priced Bill of Quantities.

ii. 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.

iii. 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 Bill 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.

iv. Where extra work cannot be properly measured or valued, the Contractor shall be allowed day work 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 that in which the work has been executed.

v. It is further clarified that for all such authorised extra items where rates cannot be derived from tender or the quantity of any of the tender items increases 25% beyond the Bill of Quantities, the contractors shall summit rates supported by the rate analysis worked on the “actual cost basis” plus 15% towards establishment charges, contractor’s overhead and profits. Such item will not be eligible for the escalation.

The measurement and valuation in respect of the Contract shall be completed within the “period of final measurement” stated in the Appendix section VI.

20. **Unfixed materials when taken into account to be the property of the Bank**

Upon full payment of a certificate that includes the cost of unfixed materials placed on or adjacent to the worksite, ownership of those materials vests completely with the Bank. The Contractor shall not remove these materials from the site except for direct application in the works, unless permitted in writing by the Bank. The Contractor shall be legally and financially liable for any loss of or damage to such materials from any cause whatsoever.

21. **Removal of improper work**

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.

22. **Defects after virtual completion**

Any defect, shrinkage, settlement or other faults which may appear within the "Defects Liability Period" stated in the Appendix hereto, if none stated, **then within 12 months after** the virtual completion of the works, arising in the opinion of the Bank from materials or workmanship not in accordance with the contract, shall upon the directions in writing of the Bank, and within such reasonable time as shall be specified therein, be amended and made good by the Contractor, at his own cost.

In case of default, the Bank may employ and pay other persons to amend and make good such defects, other faults, and all damages, loss and expenses consequent thereon or incidental thereto shall be made good and borne by the Contractor and such damage, loss and expenses shall be recoverable from him by the Bank or may be deducted by the Bank from any moneys due or that may become due to the Contractor, or the Bank may in lieu of such amending and making good by the Contractor deduct from any money due to the Contractor a sum to be determined by the Bank equivalent to the cost of amending such work and in the event of the amount retained as Security Deposit being insufficient, recover the balance from the Contractor, together with any expenses the Bank may have incurred in connection therewith. Should any defective work have been done or material supplied by any Sub-Contractor employed on the works who has been nominated or approved by the Bank as provided s hereof, the Contractor shall be liable to make good in the same manner as if such work or material had been done or supplied by the Contractor and been subject to the provisions of this Clause and Clause 2 hereof. The Contractor shall remain liable under the provision of this Clause, notwithstanding the signing of any certificate or the passing of any accounts, by the Bank.

23. **Certificate of virtual completion and Defects Liability Period**

The works shall not be considered as completed until the Bank has certified in writing that they have been virtually completed. The Defects Liability Period shall commence from the date of such Certificate/date of completion of the work.

24. **Nominated Sub-Contractor**

All Specialists, Merchants, Tradesman and others executing any work of supplying and fixing any goods, for which prime cost prices or provisional sums are included in the Bill of Quantities and/or Specifications, who may be nominated or selected by the Bank are hereby declared to be Sub-Contractors employed by the Contractor and are herein referred to as nominated Sub-Contractors.

No nominated Sub-Contractors shall be employed on or in connection with the works against whom the Contractor shall make reasonable objection or (save where the Bank and Contractor shall otherwise agree) who will not enter into Contract provided

i. That the nominated Sub-Contractors shall indemnify the Contractor against the obligation in respect of the Sub-Contractor as the Contractor is under in respect of this Contract.
ii. That the nominated Sub-Contractor shall indemnify the Contractor against claims in respect of any negligence by the Sub-Contractor, his servants or agents or any misuse by him or them of any scaffolding or other plant, the property of the Contractor or under any Workmen's Compensation Act in force.
iii. Payment shall be made to the nominated Sub-Contractor within fourteen days provided that all nominated Sub-Contractor's accounts included in previous Certificates have been duly discharged, in default whereof, the Bank may pay the same and deduct the amount thereof from any sums due to the Contractor. The exercise of this power shall not create privity of contract as between Bank and Sub-Contractor.

25. **Other persons employed by Bank**

The Bank reserves the right to use the Estate and any portions of the site for the execution of any work not included in this Contract, which it may desire to have carried out by other persons, and the Contractor shall allow all reasonable facilities for the execution of such work but shall not be required to provide any plant or materials for the execution of such work. Such work shall be carried out in such manner as not to impede the progress of the works included in the Contract and the Contractor shall not be responsible for any damage or delay which may happen to or occasioned by such work.

26. **Insurance in respect of damage to person and property**

The contractor shall, at his own expense, effect and maintain with effect from the date of commencement till issue of the completion certificate under this contract, with an approved insurance company, an All Risks Policy for insurance for an amount equal to the amount of the contract including earthquake risk in the joint names of the Bank and the contractor (the name of the former being placed first in the policy) against all risks as per the standard all risk policy for contractors and deposit such policy or policies with the Bank before commencing the works.

The Contractor shall be held to be reasonably liable for all injury to persons, animals or things, and for all structural and decorative damage to property which may arise from the operation or neglect of the Contractor or its workers or of any nominated Sub-Contractor or any employee or either, whether such injury or damage arises from carelessness, accident or any other cause whatever, in any way connected with the carrying out of this Contract. The liability under this clause shall be held to include inter alia, any damage to Building, whether immediately adjacent or otherwise, and any damage to roads, streets, footpaths, bridges or ways as well as all damage caused to the Building and other structures and works forming the subject matter of this Contract. The contractor shall also be responsible for any damage caused to the Building and other structures and works forming the subject matter of this Contract by frost, rain, wind or other inclemency of weather. The Contractor shall indemnify and keep indemnified the Bank and hold him harmless in respect of all and any loss and expenses arising from any such injury or damage to persons or property as aforesaid and also against any claim made in respect of injury or damage, whether under any Statute or otherwise and also in respect of any award of compensation or damages consequent upon such claim.

The Contractor shall reinstate all damage of every sort mentioned in this Clause, so as to do delivery of the whole of the Contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damage to the property of third parties. The Contractor shall also indemnify and keep indemnified the Bank against all claims which may be made against the Bank by any person/ member of the public or other **third party** in respect of anything which may arise in respect of the works or in consequence thereof and **shall at his own expense arrange to effect and maintain, with effect from the date of commencement until the completion of the Contract, with an approved Insurance company a policy of Insurance in the joint names of the Bank and the Contractor(the name of the former being placed first in the policy) against such risks and deposit such Policy or Policies with the Bank before commencement of the work**. The minimum limit of coverage under the policy shall be as defined elsewhere under General Condition of Contract. The Contractor shall also similarly indemnify the Bank against all claims which may be made upon the Bank whether under the **Workmen Compensation Act** or any other statute in force during the currency of this contract or at Common Law in respect of any employee of the Contractor or any Sub-Contractor and **shall at his own expenses effect and maintain, with effect from the date of commencement until the completion of the Contract, with an approved Insurance company a policy of Insurance in the joint names of the Bank and the Contractor(the name of the former being placed first in the policy) against such risks and deposit such Policy or Policies with the Bank from time to time during the currency of the Contract**. In default of the contractor ensuring as provided above, the Bank may so ensure and may deduct the premiums paid from any money due or which may become due to the contractor.

The Contractor shall be responsible for any liability which may be excluded from the Insurance Policies above referred to and also for all other damages to any person, animal or property arising out of and incidental to the negligent or defective carrying out of this Contract, whatever may be the reasons due to which the damage shall have been caused. He shall also indemnify and keep indemnified the Bank in respect of all and any costs, charges or expenses arising out of any claim or proceedings relating to the works and also in respect of any award of compensation or damages, arising therefrom. Without prejudice to the other rights of the Bank against contractor in respect of such default, the Bank shall be entitled to deduct from any sums payable to the Contractor the amount of any damage, compensation, costs, charges and other expenses paid by the Bank and which are payable by the contractor under this clause. The contractor shall upon settlement by the insurer of any claim made against the insurer pursuant to a policy taken under this clause proceed with due diligence to rebuild or repair the works destroyed or damaged. In this event all the money received from the insurer in respect of such damage shall be paid to the contractor and the contractor shall not be entitled to any further payments in respect of the expenditure incurred for Building or repairing of the materials or goods destroyed or damaged.
The contractor, in case of re-Building or reinstatement after damage shall be entitled to such extension of time for completion as the Bank may deem fit, but shall, however, not be entitled to reimbursement by the Bank of any shortfall or deficiency in the amount finally paid by the insurer in settlement of any claim arising as set out herein.

Without prejudice to his liability under this clause, the contractor shall also cause all nominated sub-contractors to effect, for their respective portions of works similar policies of insurance in accordance with the provisions of this clause and shall produce or cause to produce to the Bank such policies. The contractor shall not permit a nominated sub-contractor to commence work at site unless said insurance policies are submitted. In the event of failure of the sub-contractor to take out such policy or policies of insurance before commencing the works at site, the contractor shall be responsible for any claim or damage attributable to the said sub-contractor.

In order to fulfil all the insurance-related conditions mentioned above, the contractor shall, within 14 days from the date of issue of the work order, insure the works at his cost and keep them insure until the virtual completion of works, against loss or damage by fire with an office in the joint names of the Bank and the contractor (the name of the Bank i.e. “RESERVE BANK OF INDIA” being placed first in the policy). It shall cover the following risks.

i. **Contractors all risk (CAR) policy** insurance inclusive of Storage, erection, testing and commissioning policy for the full contract value including fire risk and Transit insurance for transportation from manufacturer’s works to site (by Air/Sea/Road etc. as applicable.
ii. **Workmen compensation policy** for the employees of the contractor at site.

iii. **Third party liability policy** with a limit of Rs 2 lakh per accident maximum upto 3 accidents.

Note: If the contractor does not provide these policies, the Bank reserves the right to take the above insurance policies themselves and recover **double the cost as penalty** thereof from the bill of the contractor or any other action as it deems fit.

27. **Date of Commencement and Completion**

The Contractor shall be allowed admittance to the site on the "Date of Commencement" stated in the Appendix hereto or such later date as may be specified by the Bank and he shall thereupon and forthwith begin the works and shall regularly proceed with and complete the same (except such painting or other decorative work as the Bank may desire to delay) on or before the "Date of Completion" stated in the Appendix subject nevertheless to the provisions for extension of time hereinafter contained.

28. **Damages for Non-completion**

If the Contractor fails to maintain the required progress of the works and fails to complete the works by the stipulated completion time in the Contract or within any extended time under time extension Clause 29 hereof and the Bank certifies in writing that in his opinion the same ought reasonably to have been completed, the Contractor shall pay the Bank a sum towards "**Liquidated Damages**" **@ 0.25% of the contract value** per week of delay subject to a maximum of 10% of the contract value (contract value means the total value of capital cost of work) for the period during which the said works shall so remain incomplete and the Bank may deduct such damages from any moneys due to the Contractor. The contractor hereby specifically agrees and authorizes the Bank to deduct such liquidated damages, if any, from any instalment of payment becoming due and payable to the contractor in terms of this contract or from the retention money."

29. **Delay and Extension of Time**

If in the opinion of the Bank, the assigned works get delayed (a) by force majeure or (b) by reason of any exceptionally inclement weather or (c) by reason of proceedings taken or threatened by or dispute with adjoining or neighbouring owners or public authorities arising otherwise than through the Contractor's own default or (d) by the works or delays of other Contractors or Tradesmen engaged or nominated by the Bank and not referred to in the Bill of Quantities, and/or Specification or (e) by reason of Bank's instructions as per Clause 2 hereof or (f) by reason of civil commotion, legal combination of workmen or strike or lock-out affecting any of the Building trades or (g) in consequence of the Contractor not having received in due time, necessary instructions from the Bank for which he shall have specifically applied in writing or (h) from other causes which the Bank may certify as beyond the control of Contractor or (i) in the event the value of the work exceeds the value of the Priced Bill of Quantities owing to variation, the Bank may make a fair and reasonable

extension of time for completion of the Contract works. In case of such strike or lock-out the Contractor shall nevertheless constantly use his endeavours to prevent delay and shall do all that may reasonably be required to the satisfaction of the Bank to proceed with work.

If the contractor needs an extension of time for completion of the work or if the completion of work gets delayed for any reason beyond the due date of completion stipulated in the contract, the contractor shall apply to the Bank for extension of time in writing at least 7 days before the expiry of the scheduled time and while applying for extension of time, contractor shall furnish the reasons in detail and his justification along with documentary evidence (copy of relevant pages of hindrance register), if any, for delays. Only that period of extension of time as granted by the Bank (on receipt of the application from the contractor or even in absence of any such application certification as to the reasonableness of the grounds for delay) will qualify for exemption of imposition of liquidated damages. For the balance period in excess of original stipulated period and an authorised extension of time granted by the Bank, the provision of liquidated damages as stated under clause 28 will become applicable.

Further, the contract shall remain in force even for the period beyond the due date of completion irrespective of whether the contractor has applied or not, for the grant of extension of time for completion unless the Bank decides to terminate the contract. The delay for completion of work for any reason will not entail any right to the contractor to claim any revision of rates or any extra compensation for any reason.
The conditions for force majeure, as mentioned above are as follows:

i. Notwithstanding anything else contained in this document, neither party shall be liable for any delay in performing its obligations hereunder if such delay is caused by circumstances beyond its reasonable control including without limitation any delay caused by the acts of governments, acts of God, natural calamities, strikes, riots in any region, terrorist attack, war (declared and undeclared). However, upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Bank. The Contractor is under obligation to take necessary steps to mitigate the effects of the force majeure event.

ii. Neither party shall, by reason of such event, be entitled to terminate the Contract in respect of such performance of their obligations.

iii. The obligations under the Contract shall be resumed as soon as practicable after the event has come to an end or ceased to exist. If the performance of any obligation under the Contract is prevented or delayed by reason of the event beyond a period mutually agreed,

either party may at its option, terminate the Contract.

30. **Failure by Contractor to comply with Bank's instructions**

If the Contractor after receipt of written notice from the Bank requiring compliance within ten days fails to comply with such further drawings and the Bank may employ and pay other persons to execute any such work whatsoever that may be necessary to give effect thereto, and all costs incurred in connection therewith shall be recoverable from the Contractor by the Bank as a debt or may be deducted by him from any moneys due to the Contractor.

31. **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 or 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 and 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 the 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 Estate or the adjoining lands or roads, and use the same as his own property or may employ the same by means of his own 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 shall not in any way interrupt or do any act, matter or thing to prevent or hinder such other 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 fourteen 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 realised. The Bank shall thereafter ascertain and certify 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 be so certified 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.

32. **Termination of Contract by Contractor**

If payment of the amount payable by the Bank under certificate of the Bank's Engineer 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 19 hereof.

33. **Certificates and Payments**

(a) The Contractor shall be paid by the Bank from time to time by instalments under Interim Certificate to be issued by the Bank on account of the works executed, work to the approximate value named in the Appendix as "**Value of work for Interim Certificates**" (or less at the reasonable discretion of the Bank) has been executed in accordance with this Contract. The Bank may, at his discretion, include in the Interim Certificate such amount as he may consider proper on account of materials delivered upon the site by the Contractor for use in the works. And when the works have been virtually completed and the Bank shall have certified in writing that they have been completed, the contractor shall be paid the balance amount by the Bank in accordance with the certificate to be issued by the Bank. **The Contractor shall be entitled to the release of the Bank guarantee towards Security Deposit in accordance with the Final certificate to be issued in writing by the Bank at the expiration of the period referred to as "the Defects Liability Period**" in the Appendix hereto from the date of Virtual Completion or as soon after the expiration of such period as the works shall have been finally completed and defects made good according to the true intent and meaning hereof, whichever shall last happen, provided always that the issue by the Bank of any certificate during the progress of the works at or after their completion shall not relieve the Contractor from his liability under Clause 2 and 22 nor relieve the Contractor of his inability in cases of fraud, dishonesty or fraudulent concealment relating to the works or materials or to any matter dealt within the Certificate, and in case of all defects and insufficiencies in the works or materials, which a reasonable examination would not have disclosed. No Certificate shall of itself be conclusive evidence that any works or materials, to which it relates, are in accordance with the Contract neither will the Contractor have a claim for any amounts which the Bank might have certified in any interim bill and paid by the Bank and which might subsequently be discovered as not payable and in this respect the Bank's decision shall be final and binding. The Bank shall have power to withhold any Certificate if the works or any parts thereof are not being carried out to his satisfaction.

The Bank may by any Certificate make any correction in any previous certificate which shall have been issued by him.

Payments shall be made within the period named in the Appendix as "Period for honouring Certificates" after such Certificates have been delivered to the Bank.

The payment for the system will be made in INR and any dispute arising out of this contract will also be sorted out within the jurisdiction by Office from which contract is signed.

34. **Delayed Payment**

Any amounts payable by the Bank to the Contractor if not paid within the "Period for honouring Certificates" named in the Appendix, carry interest at the rate named in the Appendix as the "Rate of interest for delayed payment" from the date upon which such sum ought to have been paid by the Bank until the payment.

35. **Settlement of dispute by Arbitration**

All disputes and differences of any kind whatever arising out of or in connection with the contract or the carrying out of the works (whether during the progress of the works or after the completion and whether before or after the determination, abandonment or breach of the contract) shall be referred to and settled by the Bank who shall state its decision in writing. Such decision may be in the form of a final certificate or otherwise. The decision of the Bank with respect to any of the excepted matters shall be final and without appeal. But if either party is dissatisfied on any matter, the party may within 28 days after receiving notice of such decision give a written notice to the other party requiring that the matters in dispute be referred for Arbitration as per the procedure agreed upon herein. Such written notice shall specify the matters, which are in dispute or difference of which such written notice has been given. If both the parties agree a single arbitrator would be appointed for the purpose. In case no agreement could be reached on the appointment of single arbitrator, both the parties will nominate one person each as an arbitrator on their behalf. The two arbitrators nominated by the parties shall nominate one more person to act as third arbitrator.

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

The arbitrator or arbitrators, as the case may 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 entering on the reference. In case during the arbitration proceedings, the parties mutually settle or compromise their dispute or difference, on the parties filing their joint memorandum of the settlement or compromise, the arbitrator or the arbitrators, as the case may be, shall make an award in terms of such settlement or compromise.

Upon any such reference, the decision on the cost 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 the 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 works with all due diligence and shall until the decision of the arbitrator or arbitrators is given, abide by the decision of the Bank. 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 instructions with regard to the actual carrying out of the works. The Bank and the Contractor hereby also agree that arbitration under this clause shall be a condition precedent to any right of action under the contract.
The venue of arbitration shall be the centre/city in which the work is being executed.

36. **Right of technical scrutiny of final bill**

The Bank shall have a right to cause a technical examination of the works and the final bill of the Contractor including all supporting vouchers, abstracts etc. to be made at the time of payment of the final bill. If as a result of this examination or otherwise, any sum is found to have been overpaid or over-certified, it shall be lawful for the Bank to recover the sum.

37. **Bank entitled to recover compensation paid to workmen**

If, for any reason, the Bank is obliged, by virtue of the provision of the Employees' Compensation Act,1923, or any statutory modifications or re-enactment thereof to pay compensation to a workman employed by the Contractor in execution of the works, the Bank shall be entitled to recover from the Contractor the amount of compensation so paid, and without prejudice to rights of the Bank under the said Act. The Bank shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by the Bank to the Contractor under this Contract or otherwise. The Bank shall not be bound to contest any claim made against it under the said Act, except on the written request of the Contractor and upon his giving to the Bank full security to the satisfaction of the Bank for all costs for which the Bank might become liable in consequence of contesting such claim.

38. **Abandonment of Works**

If 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.

39. **Return of surplus materials**

Notwithstanding anything contained to the contrary in any or all the Clauses of this Contract, where any material for the execution of the Contract is procured with the assistance of the Bank by purchases made under orders or permits or licenses issued by Government, the Contractor shall hold the said materials economically and solely for the purpose of the Contract and not dispose of them without the prior written permission of the Bank and return it to the Bank, if required by the Bank, at the price to be determined by the Bank having due regard to the condition of the materials, the price to be determined not to exceed the purchase price thereof inclusive of sales tax, Goods and Services Tax (GST), octroi and other such levies paid by the Contractor in respect thereof. In the event of breach of the aforesaid condition, the Contractor shall, in addition to being liable to action for contravention of the terms of licenses or permits and/or criminal breach of trust, be liable to the Bank for all moneys, advantages or profits resulting, or which in the usual courses would have resulted to him, by reason of such breach.

40. **Right of Bank to terminate Contract in the event of death of Contractor, if individual**

Without prejudice to any of the rights or remedies under this Contract, if the Contractor, being an individual, dies, the Bank shall have the option of terminating the Contract without incurring any liability for such termination.

41. **Accident Reports**

In the event of accidents of any kind, all required reports (accidental or otherwise) must be submitted without delay. The Contractor shall ensure that these reports are shared with the Bank simultaneously with their transmission to any other external parties or stakeholders.

42. **Prevention of Sexual Harassment at work place:**

i. The contractor 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 employee within the premises of the Bank, the complaint will be filed before the Internal Complaints Committee constituted by the contractor/Agency or Local Complaints Committee as the case may be and the contractor Agency shall ensure appropriate action under the said Act in respect of the Complaint.

ii. Any complaint of sexual harassment from any aggrieved employee of the Service Provider against any employee of the Bank or any employee of any other firm working in

the Bank shall be taken cognizance of by the Regional Complaints Committee constituted by the Bank.

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

iv. The contractor shall be responsible for educating its employees about prevention of sexual harassment at workplace and related issues.

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

43. Non – Disclosure clause:

i. 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 Service Provider and /or the DB Developer during the course of discharging their 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 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 Second Party. Failure to observe the above shall be treated as breach of contract on the part of the contractor, as the case may be, and the Second Party shall be entitled to claim damages and pursue legal remedies.

ii. The contractor shall take all appropriate action with respect to its employees to ensure that the obligations of non-disclosure of confidential information under this agreement are fully satisfied.

Without prejudice to the formal Contract Agreement, all confidentiality and non-disclosure obligations binding the Contractor under this tender shall survive the expiration, completion, or termination of this Agreement for any reason whatsoever.

44. **<u>Program chart/ Progress report</u>**:

The contractor shall submit a suitable progress report/chart for completion of different stages of work, to ensure completion of work within allotted period. Such program should be submitted within 14 days of the award of work. All suitable modification made by the Bank must be incorporated in the progress chart. If asked the contractor shall submit reports showing current equipment delivery dates and anticipated completion dates for individual units and groups of units.

45. **<u>Statutory Approvals:</u>**

The work shall be executed by the Contractor as per pre-NOC & local body approval received from respective statutory authorities such as Pollution Control Board(PCB) / Chief Electrical Inspector (CEI) / Local fire Authority / Local Municipal Authority etc/ Local statutory Authority. The contractor shall be responsible to understand all the provisions made in all such approvals accorded. In case of any requirements of any additional work/ modification thereof, the same shall be brought to the notice of Engineer in charge well in advance. The work has to be executed adhering to the norms of local body authorities. The contractor shall assist in preparation of documents, reports etc. as required during & after completion of work for obtaining further approvals & final completion & occupancy certificate from the respective authorities. The contractor shall also be responsible to attend meetings & do all liasoning works with respective authorities. No extra/additional payment will be made on this account. However, the fee paid to the local bodies / authorities, if any, shall be borne by the Bank.

46. **Debarment/Disqualification:**

A **contractor is liable for debarment / disqualification** from bidding on the following grounds:

i. If it is determined that the contractor has committed the following acts or omissions in contravention of the code of integrity:

a.

I. making offer, solicitation or acceptance of bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process.

II. any omission or misrepresentation that may mislead or attempt to mislead so that financial or other benefit may be obtained, or an obligation avoided.

III. any collusion, bid rigging or anticompetitive behaviour that may impair the transparency, fairness, and the progress of the procurement process.

IV. improper use of information provided by the procuring entity to the contractor with an intent to gain unfair advantage in the procurement process or for personal gain.

V. any financial or business transactions between the contractor and any official of the procuring entity related to tender or execution process of contract: which can affect the decision of the procuring entity directly or indirectly.

VI. any coercion or any threat to impair or harm, directly or indirectly, any party or its property to influence the procurement process.

VII. obstruction of any investigation or auditing of a procurement process.

VIII. making false declaration or providing false information for participation in a tender process or to secure a contract.

b. failed to disclose conflict of interest.

c. failed to disclose any previous transgressions made in respect of the provisions of sub-clause (i) with any public institution / entity in India or any other country during the last three years or of being debarred by any public procuring institution / entity.

ii. For any actions or omissions by the contractor other than violation of code of integrity, which in the opinion of the Bank warrants debarment, for the reasons like supply of sub-standard material, non-supply of material, abandonment of works, sub-standard quality of works, failure to abide by the terms of the tender etc.

iii. If the contractor has been convicted of an offence— (a) under the Prevention of Corruption Act, 1988; or (b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.

47. Packing and dispatch: The equipment shall be properly and securely packed in boxes suitable for multiple handling and transportation under Indian conditions. All equipment/ components shall be delivered on Duty Delivery Paid (DDP) basis in the Bank's Office Building.

48. Police Verification: For all workers deployed on a regular basis at the site, the Contractor shall arrange, obtain, and submit valid Police Verification Reports (PVR) at their own expense prior to the commencement of work. The Contractor shall ensure that no worker with an adverse police record or pending criminal case is deployed at the Bank's premises.

49. The contractor shall follow the provisions of BOCW Act and BOCWWC Act, 1996, as amended from time to time.

50. The contractor shall submit the final bill as early as possible. If the contractor fails to submit the bill within the specified time, the Estate Department/Project Management Cell may prepare the Final Bill itself after due notice to the contractor.

51. Water and electricity for execution of work shall be provided by the Bank free of cost. The contractor shall arrange to avail it from the nearest available point.

52. The restrictions on procurement under Rule 144(xi) of the General Financial Rules (GFR), 2017, concerning bidders from certain countries or classes of countries on grounds of defence of India and national security, shall apply to this tender. No procurement shall be made in violation of these restrictions. All bidders shall comply with the provisions set out in Annexure X to this tender document and submit the undertaking in the prescribed format therein along with their bids.

----------x----------

Section V
Special Conditions of Contract

1. **Time for Completion:**

i. Time allowed for carrying out the work is **90 days,** and it shall be reckoned from the **14th 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 and if the contractor fails to complete the work within the specified period he shall be liable to pay compensation as defined in clause 28 of the Conditions of Contract. The contractor shall before commencing the work prepare a detailed work programme which shall be approved by the Bank.

ii. The contractor shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing of 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 trades 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 purposes or for any other reason whatsoever and the Bank shall not be liable for any claim in respect thereof. The Bank does not accept liability for any sum besides the tender amount, subject to such variations as are provided for herein.

2. **Type of Security Deposit:**

i. **Retention Money:** The Retention Money @ 5% will be recovered from each on-account bill till the total recovery amounts to 5% of the contract value as stipulated in the tender document. Such amount shall be released to the contractor after completion of the Defect Liability Period (DLP), without any interest. Successful bidder may also submit the Bank Guarantee (BG) in lieu of retention money, valid till one year of DLP. The format of BG mentioned at Annexure IX.

ii. **Performance Bank Guarantee (PBG):** In addition to the Retention Money as specified above, on award of the work, the successful contractor shall furnish an amount equal to 5% (Five percent) of the contract value in the form of a Bank Guarantee (BG) from any scheduled Bank as per Annexure IX towards entire period of currency of Contract (work completion +DLP+60 days) for due fulfilment of the Contractual obligations by the contractor. This Performance Bank Guarantee (PBG) shall be initially valid for a period of contract duration plus 60 days and shall be suitably extended till DLP of the work plus 60 days in case of extension of contract period. Such Performance Bank Guarantee (PBG) should be submitted to the Bank within 14 days of the issue of work order. **The Performance Bank Guarantee (PBG) may be submitted as an ePBG, a physical copy, or via NEFT for the equivalent amount.**

iii. Submission of Performance Bank Guarantee shall be ensured as stipulated in the tender. In case of delay in unavoidable circumstances, charge for delay in submission of Performance Bank Guarantee shall be recovered from the bills of the contractor at Bank rate.

iv. The Bank reserves the right to enforce the Bank Guarantee in case of unsatisfactory performance of the terms, conditions of DLP set out in the tender at any time during the DLP i.e. one year from handing over the work.

3. Payment Terms: The following terms of payment, subject to statutory deductions, shall be applicable to this contract.

(i) No payment will be made for works costing Rs. 100.00 lakh or less until full completion and certification. For works exceeding Rs. 100.00 Lakh, the Interior Contractor may submit Running Account (RA) bills.

(ii) Interim payments are considered advances against the final payment. They require the net payable amount to meet the minimum threshold specified in Section IV. The Bank's Engineer will verify all measurements.

(iii) The Employer will release 75% of the RA bill amount as an ad-hoc payment within 7 working days of the Bank’s Engineer's certification, pending final verification.

(iv) Payments are subject to a 'Retention Percentage' as outlined in Section IV. Retained amounts will be released following Virtual Completion and the expiry of the Defects Liability Period, provided all defects are rectified.

(v) Payments will be made within the timeframe specified in Section IV. If payment is delayed beyond 30 days from the submission of a valid, correct bill, simple interest at 3% per annum will be paid.

(vi) The Employer may withhold payments if the work is unsatisfactory or if the Contractor fails to maintain valid insurance for the works until completion.

(vii) Interim certificates do not constitute final acceptance of the work, do not relieve the Contractor of liability for fraud or hidden defects, and do not waive the Employer's right to reject defective work.

(viii) Interim payments will continue even if an extension of time is pending, without prejudicing the Employer's right to take action regarding project delays.

4. All GFC drawings shall be provided to the successful bidder by the architect.

5. Materials at Basic Prices/ Basic rates:

i) For carrying out certain items of work, the tender provides for procurement of certain materials at “Basic Prices/ Basic Rates” as specified in the tender document.

ii) While quoting the rates, the tenderer should base their item rates at “the Basic Prices” wherever specified.

iii) The Interior Contractor shall obtain written approval from the Bank’s Engineer before procuring any material for which “Basic Price/ Basic Rate” is specified in the tender Document.

iv) Basic Price adjustment shall be done on the measured quantities for the finished items of work with specified “Basic Prices/Rates”. In addition to the difference in the Basic Price/ Rate and the actual purchase Price/ Rate. While carrying out price adjustments, no other components such as wastage, transportation, loading, unloading, handling, insurance, labour, etc. shall be taken in to account.

v) The Interior Contractor shall submit copies of all tax paid vouchers (original tax paid vouchers shall be shown to the Bank’s Engineer for verification as and when required by him) for full quantity for all items to the Bank’s Engineer in support of their claim for adjustment in Basic Rates/Prices. In absence of these documents, his claim for adjustment in Basic rates/Prices shall not be considered.

Section (VI) - Appendix Hereinbefore Referred To

Ref to Clauses in General condition of contract hereinbefore referred to

9	Defects Liability Period	Twelve months from the date of the completion of the work
19	Period of Final Measurement	3 months
27	Date of Commencement	14th day from the date of issue work order
28	Liquidated damages at the rate of	@ 0.25% of the contract value per week of delay subject to a maximum of 10% of the contract value
33	Minimum value of works for interim certificates/running account bill	100.00 lakhs
33	Period for honouring certificates of payment	One month for interim bills and 3 months for final bill.
34	Interest for delayed payment	As per Bank rate

Ref to clauses in special condition of contract

1	Contract Period/Time of Completion	90 days
2	Retention Money	5% of contract value till DLP
2	Security Deposit / PBG during execution of the work	5% of contract value till DLP

Section-VII

Safety Code (A & B)

A. GENERAL SAFETY

1. First aid appliances including adequate supply of sterilized dressings and cotton wool shall be provided 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 work that cannot safely be done from ground.
4. No portable single ladder shall be over 8 meters in length. The width between the side rails shall not be less than 30 cm (clear) and the distance between two adjacent rungs shall not be more than 30 cm. When a ladder is used an extra mazdoor shall be engaged for holding the ladder.
5. The excavated material shall not be placed within 1.5 meters 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; minimum height shall be one metre.
7. No floor, roof or other part of the structure shall be so overloaded with debris of materials as to render it unsafe.
8. Workers employed on mixing and handling material such as asphalt, cement mortar or concrete and lime mortar shall be provided with protective footwear and rubber hand-gloves.
9. Those engaged in welding works shall be provided with welder's protective eye-shields and gloves.
10. i) No paint containing lead or lead products shall be used except in the forms of paste or readymade paint.
    ii) Suitable face masks shall be supplied for use by the workers when the paint is applied in the form of spray or surface having lead paint dry rubbed and scrapped.
11. Overalls shall be supplied by the Bidder to the painters and adequate facilities shall be provided to enable the working painters to wash during the period of cessation of work.
12. Hoisting machines and tackle used in the works, including their attachments, anchorage and support shall be in perfect condition.
13. The ropes sued in hoisting or lowering material or a means of suspension shall be of durable quality and adequate strength and free from defects.
14. The bidder shall provide all the safety gadgets to the workers for carrying out the work as per statutory norms.
15. During the work execution necessary fire safety measures shall also be taken.

----------x----------

B. FIRE AND ELECTRICAL SAFETY

1. All the temporary electrical power for carrying out various services at site such as cutting / drilling machine shall be provided through properly rated earth leakage protection devices (ELCB).
2. Only ISI marked 3 pin plug and other appliances and equipment's shall be used. Electrical power cables/wires used shall be properly rated and joints should be avoided. If there, the joint should be proper and insulated.
3. All electrical appliances i.e. welding, drilling, cutting machine, etc. shall be safely and securely earthed to prevent leakage current while in operation. 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.
4. Fire buckets filled with clean dry sand and ready for immediate use for extinguishing fires, in addition to fire extinguishers suitable for dealing with fires, shall be conspicuously marked and kept at site at convenient location .
5. Used paint drums shall be stored in specified store only after closing them properly.
6. None of the fire extinguishers shall be removed/shifted from its designated location.
7. Personal protective equipment such as safety shoes, hand gloves, welder's mask, ear plugs, etc. as applicable depending upon the requirement of the work, shall be used by the workmen to prevent occupational health hazards.
8. None of the passages near lift lobby and staircases shall be used for stacking/ dumping any kind of materials/waste
9. Power supply shall be switched off from the Mains when equipment is not in use.
10. Wood-shavings, saw-dust or any debris generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
11. The work site shall be properly illuminated during the work.
12. All the electrical works should be carried out by licensed/ authorized electricians/ wiremen
13. Portable battery-operated lights may be used at work site to avoid laying of temporary wire for lights.
14. Necessary barricading and signage boards of good quality shall be fixed at conspicuous locations at the work site.
15. Aluminium / steel ladders should have proper rubber insulation at the base and wherever required, these ladders shall be kept on electrical insulating safe rubber mats.
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

----------x----------

Section VIII

Scope of Work

1.1 **Description of Work: - Interior Renovation of B Block 1st floor in Regional Office Building Including Civil, MEP, HVAC, Electrical and Allied Works at Reserve Bank of India (RBI) Raipur**

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 directed by the Bank's Engineer and as directed hereunder. All works shall confirm in all respects to high standards of engineering, design and workmanship and shall, fulfill the anticipated performance during the Interior 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.

Place **Signature of bidder**

Date

Section -IX

Technical Details
A GENERAL NOTES:

All **basic rates** to be considered as landed price at site **inclusive of all applicable taxes. (Excluding applicable GST.)**
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.
Drawings supersedes the Bill of Quantity (BOQ).
All sizes specified are approximate. Contractor needs to check the actual sizes at site & before execution.
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.
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.
Contractor to read the BOQ in conjunction with drawings.
Contractor to use all MR Grade ply unless otherwise specified. (From all approved makes)
Contractor to use all BWP ply / Block board for wet areas. (From all approved makes)
The rate quoted by the Contractor for following items shall be inclusive of the following: Applicable for whole scope of work including plumbing works.
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.
The rate shall be inclusive of all lifts and leads at all levels.
Making shop drawings as & when required & asked by the **Banks Engineer**/ Design consultants.
Contractor to make "As Built Drawing" for Interior work, MEPF Work, LV, Work etc. at no extra cost & to the satisfaction of Design Architect and consultant. The "As Built Drawing" to be get approved by Banks Engineer.
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.
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**.

Necessary External & Internal scaffolding (including Cup lock type scaffold including cup lock platform, ~~cantilever~~ platform, edge boards, cup lock staircase etc.) Mobile platforms as & when, wherever required, for any ht., at any level, on any floor including necessary working platforms, supports, cross bracings, covering with Net, Hessian cloth etc. for stability. Contractor to obtain all necessary statutory permissions, local permissions and any other permissions related to scaffoldings, mobile platform etc. No extra will be paid for External & internal scaffolding. Stability of Internal & External scaffolding will be contractors' responsibility.
Anti-termite treatment to all wood works (Ply, wood, Block board etc.) (From reputed and approved agency) - Contractor to submit the guarantee in writing on bond paper in a approved format for minimum 10 years.
Protecting, Covering finished job till handing over the same to Client / PMC.
All necessary miscellaneous items to complete the item satisfactorily.
All necessary tests of materials at site OR at laboratory recommended by **Banks Engineer**/ Design Consultant as and when directed.
All works to be carried out to relevant IS specifications whether so mentioned in the description of works OR not.
Contractor to obtain all necessary statutory permissions, approvals from any Authorities, If Required
The cost of taking permissions from any Local Authority to work late night or full night, during Public Holidays to be borne by the Contractors.
All Structural steel works / M.S. Works to be coated with one coats of anti-rust paint(i.e. Zinc Chromate) & two coat of enamel paint of approved make, shade as per Structural Consultant & Design Architect or with anticorrosive paint approved by Structural consultant/Architect, under the supervision of PMC.
Removing any kind of debris including loading in truck and conveying to approved dumping yard/point as designated by local Authority / Corporation, disposal of debris outside campus, unloading and spreading etc. complete including all leads and lifts. - Contractor to study location of dumping yard/point before quoting for these items. It will be the contractor's responsibility to locate the dumping areas designated by the Government/local authorities, obtain necessary permissions, pay for deposits and necessary charges to Government/local authorities. In case there is change in the dumping location by the Government/local authorities no claim will be entertained for disposal of debris at changed location.
Removal of Debris: Contractor shall make his own transporting arrangements for removal of all kinds of debris away from site at his own cost.
Necessary tests of materials at site OR at laboratory recommended by **Banks Engineer**/ Design Consultant as and when directed.
Contractor to use Potable water required for construction requirements of the tender and make necessary arrangements for supply and storage of the same at his own cost and as directed by the Bank.

Contractor to use River sand for all civil works. Sand and aggregate tests to be conducted as instructed by **Banks Engineer** and reports to be duly submitted for approval before order of material.
For all Fire Rated Doors Contractor to submit Fire Rating Certification from the concerned authority and as directed by Banks Engineer
For all waterproofing works Contractor to submit minimum 10 years Guarantee in writing in a format approved by Banks Engineer
NOTES:
Contractor to provide I cards, Photo identity to all his staff, Labours and supervisors & engineers.

CIVIL AND INTERIOR WORKS

GENERAL PARTICULAR REQUIREMENTS

1. QUALITY ASSURANCE

1.1 Inspection of Products.

It shall be the Interior Contractor's duty to inspect all products before incorporation in the works in regard to their compliance with the Contract Documents and / or with the approved samples. Any products, which are not found to be suitable, shall be removed and replaced by the Interior Contractor' at his own expense.

1.2. Alternative Products.

If the Interior Contractor proposes to use a product which, while suitable for the intended use deviates in any way from the detailed requirements of the Contract Documents, he shall inform the Banks Engineer at least 30 days in advance prior to placing of its order so as the delivery schedule is met with. The notification should be given in writing stating the nature of such deviations, justification for proposed deviation, cost impact of this alternative product at the time the product is submitted for approval of the Banks Engineer and shall request a written approval of the deviation from the Banks Engineer. All finished products shall be approved by the Banks Engineer.

Any additional cost, or any loss or damage arising from the substitution of any product or method for those originally specified shall be borne by the Interior Contractor, notwithstanding approval or acceptance of such substitution by the Banks Engineer If substitutions are accepted, the Interior Contractor shall have the responsibility of coordination with all other work, to ensure compatibility and fit. No additional time extension would be given in lieu with change of the product.

2. EXECUTION

Execution shall include all activities such as procurement, installation, erection, application and workmanship required to implement the works within the framework of the contract. The Interior Contractor shall carry out everything necessary for the proper execution of the works shown and described in the Contract Documents or may reasonably be inferred there from. He shall report well in advance in writing to the Banks Engineer regarding any and all conditions, which may affect the satisfactory execution of the works or endanger its permanency. The work shall be carried out strictly as per prevailing technical standards, regulations, and industry practices along with the applicable statutory norms applicable for the particular works.

3. WORKMANSHIP

All Workmanship shall be provided to the satisfaction of the Banks Engineer in the best and most modern available methods, workmanlike manner, and industry practice and any work deemed by the Banks Engineer not meeting the standards specified hereunder or in the Contract Documents shall be removed by the Interior Contractor and replaced so as to be in accordance with the approved standards, all at the Interior Contractor's expense. No extensions would be given in the final completion time, on account of any faulty works done and the time required to redo / rectify the same.

4. Manufactured Products

All manufactured products, articles, materials, and equipment, shall be supplied, installed, connected, erected, used, cleaned, and conditioned in accordance with the manufacturers written instructions and directions.

5.Protection of The Works.

The Contractor shall ensure safety of the workmen and the personnel visiting the site along with the materials and works. The Interior Contractor shall whenever and wherever necessary cover up and protect the works from weather and damage by his own or other workmen performing subsequent operations. He shall provide all necessary dustsheets, cover the finished items, and clear away the same at the time of completion of the work. The Interior Contractor shall take all proper steps for protection of all places on or about the works, which may be dangerous to his workmen or any other persons or to traffic. The Interior Contractor shall provide and maintain warning signs, warning lamps and barricades as necessary. The Interior Contractor shall, wherever practical, leave on electrical fittings their protective tapes, coverings, wrappings and corner protectors and the like after they have been installed until all work in the region of the fittings has been completed.

6.RESTORATION AND CLEANING

Upon completion of the works, the Interior Contractor shall restore all items covered by the contract to the satisfaction of the Banks Engineer. The Interior Contractor shall clean all areas and clearing away all rubbish and excess material that may accumulate from time to time, on completion and before handing over. Upon completion of the works, he shall obliterate all signs of temporary facilities such as work areas, excess or waste materials, as directed by the Banks Engineer. The works and site shall be left in a clean and satisfactory state for immediate use. Care shall be taken for not using any cleaning materials, which may cause damage to the surface to be cleaned.

The Interior Contractor shall also take all necessary precautions to keep the works and site free from vermin during construction and he shall leave the works vermin free on completion.

7. SUBMITTALS

7.1 Construction Program

The Interior Contractor shall, upon appointment to carry out the works, forthwith prepare and submit a full detailed program for all the Tender related Interior work (including MEPF works) representing units of work in sufficient details for the approval of the Banks Engineer.

7.2 Schedules

The Interior Contractor shall, upon appointment to carry out the works, forthwith prepare and submit the following for the approval of the Banks Engineer. A schedule listing the names and addresses of sub-Interior Contractors, suppliers and manufacturers, the trademarks, types and origin of all products, and systems he proposes to incorporate in the works, together with all descriptions and specifications that may be required in this connection before any appointments are made or orders are placed. The schedule shall anticipate and establish the interrelationship of all sub Interior Contractors and their sequence with the work.

The Interior Contractor shall also coordinate the work of sub Interior Contractors and other agencies that portions of the work are performed in a manner that minimizes interference with the progress of the work and with other trades and other contractors appointed by the Bank.

7.3. Samples and Working Specimen/samples.

The Interior Contractor shall furnish for approval, with reasonable promptness, all samples as specified or directed by the Banks Engineer and particularly samples of all internal and external finishes described in the Contract Documents. One approved sample will be retained by the Banks Engineer and the remainder returned to the Interior Contractor. All works shall then be in accordance with the approved samples.

The working specimens of the work as mentioned in the specifications shall be carried out / modified / rectified up to the satisfaction of the Banks Engineer. Working specimens for the project shall be located and protected so that they can be referred to throughout the job. No working specimen shall be concealed, damaged, or otherwise disposed of throughout the life all phases of the construction unless otherwise approved in writing by the Banks Engineer.

The specifications as well as samples, mock-ups and working specimens approved for use on the project shall set the standard for quality throughout the project. The further work shall be carried out strictly as per the working specimen in terms of finish and Tolerance.

7.4. Certificates and Test Reports

Prior to delivery, the Interior Contractor shall present, certificates confirming that the quality of products to be supplied by a particular manufacturer or company for incorporation in the works complies with the standards as required by the Contract Documents to the Banks Engineer. The Interior contractor shall submit Manufacturer's Test Certificate wherever required or as advised by Bank's Engineer.

Where specified or required by the Banks Engineer, the Interior Contractor shall carry out the necessary tests. The costs and expenses incurred will be borne by the Interior Contractor and shall be carried out by approved Laboratories / NABL accredited/Govt. institutions testing

laboratory approved by the Banks Engineer. Copies of test reports shall be submitted to the Banks Engineer. Sub-standard materials and / or work shall be removed and replaced to comply with the correct standards at the Interior Contractor's expenses.

7.5.Shop Drawings

The Interior Contractor shall produce all shop drawings and schedules required for the works or which have mentioned in the specifications in sufficient time, so as not to cause delay in the works. These submittals shall be checked and approved by the Banks Engineer and returned to the Interior Contractor. The Interior Contractor shall make any corrections advised by the Banks Engineer and resubmit further copies after the Banks Engineer have granted approval.

Interior Contractor shall prepare their own shop drawings and that to the greater scale than that of the drawings provided as working drawings / base for shop drawing preparation. Reprinting of the provided drawings as shop drawings is unacceptable and shall be rejected. The Bank's Engineer shall not be responsible for the delay caused on that part. All the shop drawings produced shall be to the scale.

The construction program and the schedules prepared by the Interior Contractor shall have adequate time provision for review and revision of shop drawings prior to approval.

Approval / comments conveyed neither relieves vendor / Interior Contractor of his contractual obligations and his responsibilities for means and methods of construction, correctness of, dimensions, materials of construction, weights, quantities, design details, assembly fits, performance requirements and conformity of the supplies with the Indian statutory Laws as may be applicable, nor does it limits the purchaser's rights under the contract.

7.6. Project Records

The Interior Contractor shall, at all times, keep on site one copy of all drawings and specifications, addendum, revisions, variation orders, approved shop drawings and approved samples together with copies of public safety codes and relevant standards applicable to the works. All such material shall be made available to the Banks Engineer. The Interior Contractor shall be responsible for the execution of the work as per latest revised drawings; any work carried out by the Interior Contractor from the old drawings shall be rectified by him at his own cost. In addition, the Interior Contractor shall, at all times, keep on site a separate set of prints, as provided by the Bank's Engineer, on which shall be noted neatly accurately and promptly as the work progresses, all significant changes between the work shown on the drawings and that which is actually constructed. Based on actually construction Interior Contractor to prepared As-built drawing and submitted to Banks Engineer for approval.

7.7 Manufacturer's Guarantees

Where special guarantees for periods exceeding the Period of Maintenance and of defects liability as mentioned in the Contract Documents, the Interior Contractor shall obtain a written guarantee, addressed to the Bank, from the manufacturer or firm supplying the materials, equipment, components and the like and / or doing the work and shall deliver same to the BANKS ENGINEER prior to the issue of the certificate of completion. The guarantee shall

state that workmanship, materials, equipment, components and the like and / or installation are guaranteed for the specified period from the date of the Maintenance Certificate and that any defects that may arise during the specified period will remain the Interior Contractor's responsibility and shall be made good at the expense of the guarantor, upon written notice from the BANKS ENGINEER to do so.

8.TEMPORARY FACILITIES

The Interior Contractor shall at his own cost, provide, erect, or install, maintain, alter as necessary, and remove on completion all temporary facilities and services including safe access as required by the Interior Contractor for the uninterrupted functioning of the work.

8.1. Waste Disposal & Debris removal.

The Interior Contractor shall make, maintain and remove on completion at his own cost such temporary provisions as may be required in order to dispose of any chemicals, fuels, oils, greases, bituminous materials, waste etc. and the like without causing pollution to either the site or the environment. The Interior Contractor at its own cost shall arrange for the statutory approval required for the subject work.

Removing any kind of debris including loading in truck and conveying to approved dumping yard/point as designated by local Authority / Corporation, disposal of debris outside campus, unloading and spreading etc. complete including all leads and lifts. - Contractor to study location of dumping yard/point before quoting for these items. It will be the contractor's responsibility to locate the dumping areas designated by the Government/local authorities, obtain necessary permissions, pay for deposits and necessary charges to Government/local authorities. In case there is change in the dumping location by the Government/local authorities no claim will be entertained for disposal of debris at changed location.

8.2. Fire Protection

The Interior Contractor shall provide and maintain adequate fire protection in the form of barrels of water with buckets, fire bucket, tanks, fire extinguishers, or other effective means of extinguishing fire, ready for instant use, distributed around the project and in and about temporary inflammable structures during construction of the works.

Gasoline and other flammable liquids including but not limited to paint and associated thinners, solvents, and cleaners etc shall be stored in and dispensed from safety containers approved by the BANKS ENGINEER. The storage shall be done at safe location and not be within buildings.

Torch-cuttings and welding operations performed by the Interior Contractor shall have the approval of the BANKS ENGINEER before such work is started and a suitable chemical extinguisher is to be available at the location where such work is in progress.

8.3. Sample Room/Area

The Interior Contractor shall provide within the site area where directed by the Bank Engineer a sample room with appropriate shelving for the storage of a complete set of the approved

samples of the project. The Interior Contractor shall dispose off and remove the samples when directed by the Bank Engineer.

8.4. Staging and Scaffolding

The Interior Contractor shall provide, erect, and maintain all staging and scaffolding required for their use during the Civil, finishing works, Interior work and MEP works. Staging and scaffolding shall be as per approved design, stable, erected and removed by experienced skilled staging sub-Interior Contractor and shall have all accident prevention devices as laid down in relevant Indian Standards.

Such staging and scaffolding shall be erected in sufficient time and in a proper sequence so as not to delay the works.

Necessary Internal scaffolding (including Cup lock type scaffold including cup lock platform, cantilever platform, edge boards, cup lock staircase etc.), Mobile platforms as & when, wherever required, for any ht., at any level, on any floor including necessary working platforms, supports, cross bracings etc. for stability. No extra will be paid for internal scaffolding. Stability of Internal scaffolding will be contractor's responsibility.

8.5. Line out

The Interior Contractor shall mark Line out as per the layout provided with drawings and the same get checked and approved from Banks Engineer.

8.6. Temporary Coverings

The Interior Contractor shall protect all finished works, surfaces including flooring, dado, jambs and soffit of openings, and MEP works etc. against possible damages during executing the other works and before handing over to the Banks Engineer.

As soon as an area of flooring is finished, it all shall be protected by the Interior Contractor from dirt and damage by covering it with approx. 3 to 4mm thk protecting sheet or by another approved method. All works shall be covered with approx. 3 to 4mm thk protecting sheet of approved make (Cello, Supreme, Astral etc.) including taping the joints as directed and the same shall be maintained, removed, cleaned and surface brought to required finish on completion.

Waterproofed surfaces shall not be subjected to traffic, nor be used for storage of material. Where some activity must take place in order to carry out the work, adequate protection, subject to approval by the Banks Engineer shall be provided.

8.7. Temporary Safety Measures

The Interior Contractor shall provide and maintain during the entire contract period all temporary safety measures necessary for the protection of people, and he shall be solely responsible for any damage to life and property caused as a result of not having taken adequate precautions against such damage.

Interior Contractor shall keep the site permanently clean and remove all the means causing harm to others during the work process.

However, the Interior Contractor shall be held fully responsible for realizing safety for people, equipment, etc.

The Interior Contractor shall install the temporary barriers to protect laborers from shafts, stairs and at all other openings.

The necessary emergency telephone numbers should be written clearly on a board placed in easily visible locations in the site, such as:

Nearest hospitals

Emergency Police

Nearest fire station.

However, the Interior Contractor shall be held fully responsible for realizing safety for people, equipment, etc

9. PROGRESS AND TECHNICAL MEETINGS

The Banks Engineer shall conduct regular meetings, which must be attended by the Interior Contractor, in which the Interior Contractor shall report to the Banks Engineer his work progress and all other matters affecting the construction. The Interior Contractor can convene meetings to deal with the outstanding technical matters if they cannot be dealt with in the regular meetings with Banks Engineer. The content of the meeting shall be recorded in the form of minutes by Banks Engineer and an up-to-date weekly progress report must be attached by the Interior Contractor.

10. SITE RECORDS

The Interior Contractor shall maintain on site a file in which records of work done, meetings, site visits, delays, particulars of the labours force, tools and equipment are recorded on a daily basis. A copy of this information shall be made available to the Banks Engineer. The Interior Contractor shall further maintain on site a separate book for the Banks Engineer site instructions.

11.DISTURBANCE

The Interior Contractor shall carry out the works with the minimum of noise and other disturbance to the other floor and other adjoining premises and occupants thereof. He shall keep the site and the like well-watered during operations to prevent dust.

12.REVIEW & APPROVAL

All shop drawings and the samples of the work to be executed shall be submitted to the Banks Engineer for their review and approval. While preparing the project schedule, the Interior Contractor shall take optimum working days into considerations as review period by the Bank's Engineer.

SECTION A : DEMOLITION WORKS

A 01. APPLICABLE CODES AND SPECIFICATIONS

The following Indian Standard Codes, unless otherwise specified herein, shall be applicable. In all cases, the latest editions including all applicable official amendments and revisions shall be referred to.

IS 1200 (Pt - XVIII) Method of Measurements of Building and Civil Engineering

Works (Part – XVIII) Demolition and Dismantling.IS 4130 Demolition of Buildings.

A 02. PRECAUTIONS: -

All materials obtained from dismantling or demolition shall be the property of the Reserve Bank of India unless otherwise specified and shall be kept in safe custody until they are handed over to the Banks Engineer.

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 Bank's Engineer 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 measures to 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 and if any damage occurs, the rectification shall be done by interior contractor at its own cost. Wherever required proper cloth covering shall also be provided, as directed by the Bank's Engineer. 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 Banks Engineer. Interior contractor shall arrange at its cost Helmets, goggle, safety belts etc. and should be used whenever required, as directed by the Banks Engineer. 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 Banks Engineer.

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 Bank's Engineer 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 Banks Engineer.

The Interior Contractor shall maintain/disconnect existing services, whether temporary or permanent, wherever required for the work or as directed by the Banks Engineer.

Before proceeding for dismantling work especially for services, contractor to ensure that all services connections with main lines have 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.

SECTION B: GENERAL CIVIL WORKS

B 01. APPLICABLE CODES AND SPECIFICATIONS

The following Indian Standard Codes, unless otherwise specified herein, shall be applicable. In all cases, the latest editions including all applicable official amendments and revisions shall be referred to.

IS:1077 : 1992 reaffirm Date Mar 2002	Specification for common burnt clay building bricks
IS 1542:1992 reaffirm Date Sep 2003	Specification for sand for plaster (Second revision)
IS 2116:1980 reaffirm Date Aug 2002	Specification for sand for masonry mortars (first Revision)
IS 2212:1991 reaffirm Date Feb 2005	Code of practice for brickwork (first revision)
IS 2250:1981 reaffirm Date Sep 2005	Code of practice for preparation and use of masonry mortars (First revision)
IS 3696(Part 1):1987 reaffirm Date Mar 2002	Safety code of scaffolds and ladders: Part 1 Mar 2002
IS 1200(Part 3):1976 reaffirm Date Jun 2002	Method of measurement of building and civil Engineering works: Part 3 brickwork(third revision)
IS 1200(Part 12):1976 reaffirm Date Jun 2002	Method of measurement of building and civil Engineering works: Part 12 plastering and pointing (third revision)

B 02. General: -

The work comprises of providing and constructing the masonry units as per required mortar mix in superstructure and substructure at all levels including racking out joints, curing and as per the detailed specifications mentioned herein.

Specification For AAC Block/ Masonary Work

The normal dimension of the concrete block shall be approx. 600mm x 200mm x 150mm.

The maximum variation in the length of the Autoclave Aerated Concrete Block shall not more than plus/minus 5mm and maximum variation in the height and width of Autoclave Aerated Concrete Block, not more than plus/minus 3mm.

All Autoclave Aerated Concrete Block shall be sound, free of cracks or other defects which interfere with the proper placing of block units, impair the strength or performance of the construction.

Where block units are to be used in exposed wall construction, the face or faces that are to be exposed shall be free of chips, cracks or other imperfections except that if not more than 5% of a consignment contains slight cracks or small chippings not larger than 25mm, this shall not be deemed grounds for rejection.

The Autoclave Aerated Concrete Block shall be classified in two grades according to their compressive strength as indicated in table:

Sr No	Density in oven dry condition (Kg/m2)	Compressive Strength (Min)		Thermal Condition in Air dry condition (W/m.k)
		Grade - I (N/mm2)	Grade - II (N/mm2)	
1	451 to 550	2	1.5	0.21
2	551 to 650	4	3	0.24
3	651 to 750	5	4	0.3
4	751 to 850	6	5	0.37
5	851 to 1000	7	6	0.42

B 03. TESTS : -

1. Block Density- The block density shall be determined in the manner described in

IS 6441 (part-1) -1972

2. Compressive Strength- The compressive strength of block shall be determined in accordance

with IS 6441 (part-5) -1972

3. Thermal Conductivity- The thermal conductivity of block shall be determined in accordance with IS 3346 -1980

4. Drying Shrinkages -The drying shrinkage of block shall be determined in the manner described in IS 6441 (part-2) -1972

B 04. MORTAR: -

Mortar for block masonry shall consist of cement and sand and shall be prepared and applied as per IS: 2250. Mix shall be in the proportion of 1:4 for AAC Block. The sand shall be free from clay, shale, loam, alkali and organic matter and shall be of sound, hard, clean and durable particles. Sand shall be approved by Banks Engineer. If so directed by the Banks Engineer, sand shall be screened and washed till it satisfies the limits of deleterious materials.

For preparing cement mortar, the ingredients shall first be mixed thoroughly in dry condition. Water shall then be added and mixing continued to give a uniform mix of required consistency. Mixing shall be done thoroughly in a mechanical mixer, unless hand mixing is specifically permitted by the Bank's Engineer. The mortar thus mixed shall be used as soon as possible, preferably within 30 minutes from the time water is added to cement. In case, the mortar has stiffened due to evaporation of water, this may be re-tempered by adding water as required to restore consistency, but this will be permitted only up to 30 minutes from the time of initial mixing of water to cement. Any mortar which is partially set shall be rejected and shall be removed forthwith from the site. Droppings of mortar shall not be re-used under any circumstances.

The Interior Contractor shall arrange for test on mortar samples if so directed by the Banks Engineer.

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 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 spaces are left inside the joints.

The walls shall be taken up truly in plumb or true to the required batter where specified. Location and alignment of all masonry wall shall be coordinated with concrete structures. 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.

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 Banks Engineer.

The face of AAC Block work may be finished flush or by pointing. In flush finishing either the face joints of the mortar shall be worked out while still green to give a finished surface flush with the face of the block work or the joints shall be squarely raked out to a depth of 1 cm while the mortar is still green for subsequently plastering. The faces of AAC Block work shall be cleaned with wire brush so as to remove any splashes of mortar during the course of rising the brick work. In pointing, the joints shall be squarely raked out to a depth of 1.5 cm

while the mortar is still green and raked joints shall be brushed to remove dust and loose particles and well wetted, and shall be later refilled with mortar to give ruled finish. Some such finishes are 'flush', 'weathered', ruled, etc.

B05 Patli -
08mm dia. mild steel 4nos. reinforcements bars & stirrups @ 200mm c/c along length tied with GI wire) in M15 concrete mix as per relevant IS Code including necessary centering, shuttering, supports etc.

B06
RCC Lintel – 150mm thickness, Grade of Concrete M25, Nominal reinforcements : 10mm dia. mild steel 4nos. reinforcements bars & 8mm Dia stirrups @ 200mm c/c along length tied with GI wire) in M25 concrete mix as per relevant IS Code including necessary centering, shuttering, supports

B07.CURING: -
The block work shall be constantly kept moist on all faces for a minimum period of seven days. Block work done during the day shall be suitably marked indicating the date on which the work is done so as to keep a watch on the curing period.

B08. SCAFFOLDING: -
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.

B09. MEASUREMENT: -

Block work shall be measured in cubic meters unless otherwise specified. Any extra work over the specified dimensions shall be ignored. Dimensions shall be measured correct to the nearest 0.01 m i.e. 1 cm. Areas shall be calculated to the nearest 0.01 sq. mtrs and the cubic contents shall be worked out to the nearest 0.01 cubic meters.

B10. RATE: -

The rate shall include the cost of materials, and labour required for all the operations at all levels
The rate shall also include the following:

- Raking out joints or finishing joints flush as the work proceeds.
- Preparing tops of existing walls and the like for raising further new block work.
- Rough cutting and waste for forming gables, splays at eaves and the like Leaving holes for pipes up to 150-mm dia. And encasing holdfasts etc.
- Rough cutting and waste for block work curved in plan and for backing to stone or other types of facing.
- Embedding in ends of beams, joists, slabs, lintels, sills, trusses, etc.

- Bedding wall plates, lintels, sills, roof tiles, corrugated sheets, etc. in or on walls if not covered in respective items.
- Brick on edge courses, cut brick corners, splays reveals, cavity walls, brick works.

Masonry Works

General

The work comprises of providing and constructing the masonry units as per required mortar mix in superstructure and substructure at all levels including racking out joints curing and as per the detailed specifications mentioned herein.

Materials

Clay Bricks

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.

REINFORCED CONCRETE. (PATLI & LINTEL)

Technical Specifications ABBREVIATIONS

In the technical specifications, as well as in the bill of quantities, the following abbreviations have been used:

Cu. M.	Cubic Metre
Sq. M.	Square Metre
R. M.	Running Metre
Q. R.	Quote Rate
NO.	Numbers

6.0 SPECIFICATION FOR MATERIAL

6.1 CEMENT

6.1.1 STANDARD

Cement to be used in the Works shall conform to the following standards:

33 Grade Ordinary Portland Cement	IS: 269
43 Grade Ordinary Portland Cement	IS: 8112
53 Grade Ordinary Portland Cement	IS: 12269
Rapid Hardening Portland Cement	IS: 8041
Portland Slag Cement	IS: 455
Portland Pozzolana Cement (fly ash based)	IS: 1489 (Part 1)
Portland Pozzolana Cement (Calcinated clay based)	IS: 1489 (Part 2)
Low heat Portland cement	IS: 12600
Hydrophobic Cement	IS: 8043
Sulphate resistant Portland cement	IS 12330

Other relevant standards are as follows:

Method of Sampling Hydraulic Cement	IS: 3535
Methods of Physical Tests for Hydraulic Cement	IS: 4031(Part 1 to 15)
Methods of Chemical Analysis of Hydraulic Cement	IS: 4032

6.1.2 SUPPLY

The cement to be used for the Works shall be Ordinary Portland Cement (OPC).

Unless otherwise specified, OPC or PPC shall be supplied in bags containing 50kg each. The storage cement bags should be provided by the Contractor at the site of Works at his own cost, considering IS specifications for storage.

The CONTRACTOR, if asked by the Owner or his representative to provide double locking arrangement, shall do so at his cost. If such an arrangement is made, the key of one lock shall be with the CONTRACTOR and the key of the other lock shall be with the Engineer-in-charge or his representative.

6.1.3 STORAGE

Cement shall be kept, at all times, in covered storage in an approved manner. No cement shall be kept on the site longer than three months before use. Any cement, which is stored onsite in excess of 28 days, shall be tested in accordance with relevant Standard prior to use.

Sufficient cement for one week's consumption shall at all times be available. Cement shall be consumed in the sequence in which it is received at the store.

The cement store for bagged cement shall be a weatherproof building or shed, ventilated, lit and free of dampness. The size will be sufficient to hold enough cement for continuous execution of the works. Bags for cement shall be lined in polythene or other damp-proof material.

6.2 COARSE AGGREGATE

6.2.1 STANDARD

Aggregates for use in concrete (other than light-weight concrete) shall comply with the requirements of IS 383. Only natural aggregates shall be used.

Coarse aggregate shall have a specific gravity as per mix design report. Aggregate below this specific gravity shall not be used without the special permission of the Engineer.

Coarse aggregate shall consist of natural or crushed stone, angular in shape with granular or crystalline surfaces or approved river shingle or gravel, rounded in shape. All aggregate shall be clean and free from elongated, friable, flaky or laminated pieces, adherent coatings, clay lumps, mica, organic matter and any other deleterious matter that may cause corrosion of reinforcement or impair the strength and / or durability of concrete. It shall be chemically inert, hard, strong, dense, and durable against weathering.

The maximum quantities of deleterious materials in the coarse aggregate shall not exceed the limits indicated in the IS 383 when tested as per IS 2386 Part-I & Part-II "Method of Tests for Aggregate for Concrete".

6.2.2 SOURCE

Once a specific source of supply of coarse aggregate is accepted, the source shall not be changed without prior approval of the Engineer. If quality of any other source is good then it can be accepted after approval of the Engineer-in-charge.

6.2.3 STORAGE

Coarse aggregate to available sizes shall be stored at site as separate stacks over clean and well-maintained hard floor and areas not liable to flooding. Alternatively, they will be stored in bins.

Contamination with foreign matters and earth during storage and while heaping the materials shall be avoided. It shall be kept in layers not exceeding 1.2 m in height to prevent coning or segregation.

Each type and grading of aggregate shall be stored separately in bins, in such a manner that mixing of the various size particles does not occur and shall be sloped sufficiently to ensure adequate drainage of surplus water.

Sufficient quantities of each type of aggregate shall be maintained on site at all times to ensure continuity of work.

6.2.4 **USAGE**

Coarse aggregate, which is not clean, shall be washed with clear fresh water before use in the job. Screening should be done, if considered necessary by the Engineer, without extra cost.

6.2.5 **TRANSPORTATION**

During transportation to the site, all aggregates are to be protected from wind-borne contaminants. Should these contaminants be present at the time of delivery to site, then the aggregates shall be washed with water meeting the requirements of the above clauses/gradation. Transport vehicles shall be cleaned from possible contamination due to previous use.

Note: When aggregates have been approved, the entire supply of each type shall be secured from the approved source. Testing shall be carried out at the frequently specified below to ensure that the same quality and grading of the material is being maintained.

6.3 FINE AGGREGATE

6.3.1 **STANDARD**

Fine aggregate for different end uses (other than light-weight concrete) shall conform to the following standards:

a.	For structural concrete	IS: 383 (between Grading Zones I & II)
b.	For mortar & grout	IS 2116
c.	For plastering	IS 1542 (Class A Grading)

Fine aggregate shall consist of natural sands or machine crushed rock/gravel. It shall be clean, sharp, hard, strong and durable and free from dust, vegetable substances, adherent coating, clay, loam, alkali, organic matter, mica, soluble sulphate, gypsum or any other deleterious substances which can be injurious to the setting qualities / strength / durability of concrete.

The use of sea sand is prohibited.

6.3.2 **SOURCE**

Once a specific source of supply of fine aggregate is accepted, the source shall not be changed without prior approval of the Engineer. If quality of any other source is good, then it can be accepted after approval of the Engineer-in-charge.

6.3.3 STORAGE

Fine aggregates shall be stored at site in adequate quantity on clean and well-maintained hard floor and areas not liable to flooding. Contamination with foreign matter and earth, during storage and while heaping the materials, shall be avoided.

6.3.4 USAGE

Fine aggregate shall be thoroughly washed at site with clean fresh water such that the percentage of all deleterious matter is within the permissible limits as laid down in IS 2386 (Part-II).

Screening of sand shall be done, if necessary and as directed by the Engineer-in-charge, to remove all objectionable foreign matter and affecting any grading.

- **STANDARD**

In all cases the work shall be carried out in accordance with the latest Indian Standard Specifications and the best engineering practice. In the absence of such specifications, work shall be executed in accordance with any other relevant standards issued elsewhere as approved by the Engineer or as per the instructions and directions of the Engineer.

- **WORKMEN AND STAFF**

The CONTRACTOR shall ensure that he employs only capable and experienced labour force, foremen, other tradesmen and supervisory staff on the job capable of handling the types of work they are required to handle in a workman-like and efficient manner to the satisfaction of the Engineer. He shall also ensure that his Sub-Contractors or nominated Sub-Contractors also employ all workmen and supervisory staff capable of delivering work of high standard.

SPECIFICATION FOR PLASTERING

B11.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.

B12.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.

B13.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.

B14.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.

B15.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.

B16.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.

B17.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.

B18. ANTITERMITE TEREATMENT: -

INJECTION PROCESS: To prevent subterranean termite infestation in the Premises holes are drilled at junctions of the walls and floors at a distance of 1 foot, then chemicals are injected, and the holes are sealed. This application creates a chemical barrier against the subterranean termites and thereafter spraying process every week up to Renovation.

Injection & Wall Treatment- Injection & Wall Treatment will be carried out in water base compound components. Anti-Termite treatment will be executed at all the internal perimeter of the premises, the injection and wall treatment will be executed at the junctions of walls & floors to create a barrier against the said infestation.

Mode of Measurements: Only plan area will be measured & paid for.

For Plywood, wood & Block board etc. - For control of white ants in the premises, spray the appropriate chemicals not only eliminating the white ants but also protecting the structure against the white ants. This process also includes coating and· injecting of chemicals to create barriers against white ants to fixed wooden furniture, wherever it is necessary.

SECTION C: - WATERPROOFING WORKS

Waterproofing treatment to be apply as per the manufacturers specifications & as approved by the Banks Engineer.

1. Single Component Polyurethane resins bonded elastomeric waterproofing liquid membrane with weather resistance properties on top of parent concrete surface in three coats. One coat of self-priming of Polyurethane resines bonded elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted Polyurethane resins bonded elastomeric waterproofing liquid at a consumption rate of 500 gm per square meter per coat with brush/roller application or as specified by manufacturer.
2. Brickbat coba - Well burnt bricks or sliced brick bats of approved size in required layers in cement mortar 1:4 (1 Cement : 4 coarse sand) mixed with approved waterproofing compound.
3. IPS finish layer in 40 mm thickness to proper slope in CM 1:3
4. Average 15 mm thick waterproof cement plaster in mortar 1:3 admixed with waterproof chemical compound
5. For all waterproofing works Contractor to submit minimum 10 years Guarantee in writing in a format approved by Banks Engineer.

C 01. METHODOLOGY

Step 1: Surface Preparation - Cleaning and Washing of the Slab with water, Sealing all Major & Minor Cracks, removing of all the waste materials & ensure clean smooth slab
Step 2: Core Cuts and Minor Cracks to be Filled.
Step 3: Sealing the periphery and corners, edges.
Step 4: Applying PU Coating to floor and walls (One priming coat and two coats) at interval as per manufacturer.
Step 5: Air Curing as per manufacturers recommendation
Step 6: Pond Test
Step 7 Laying Brickbat coba / AAC coba
Step 8: Application of Protective Screed to protect the waterproofing membrane from physical damage.

C02. GUARANTEE:

For all waterproofing works Contractor to submit minimum 10 years guarantee in writing in a format approved by Banks Engineer

C03. RATE

The rate shall include the cost of all material and labour involved in all operations described above. Rate to include necessary curing, scaffolding etc.

SECTION D : - FLOORING WORKS

D 01. APPLICABLE CODES AND SPECIFICATIONS

The relevant Indian Standard Codes, unless otherwise specified herein, shall be applicable. In all cases, the latest editions including all applicable official amendments and revisions shall be referred to.

D 02. GENERAL: -

This section shall cover all flooring and wall tiling work as shown in the drawing as mentioned in the schedule. No work under this section shall be started until specifically allowed by the Banks Engineer and until all other major works such as plastering, embedding of conduits and pipes, channels, etc. have been completed. Samples of basic materials & work of adequate size representing the nature of variation including quality, size, texture after finishing to be used in the flooring work shall be prepared for all work and got approved by the Banks Engineer sufficiently prior to ordering. The approved samples shall be retained up to the end of the project. The works shall be got done by skilled and specialized workmen experienced in the respective trade of work.

Where the cement concrete flooring is to be laid directly on the R.C.C. slab, the surface of R.C.C. slab shall be cleaned and the laitance shall be removed and a coat of cement slurry at 2 kg. of cement per sq.m. shall be applied, so as to get a good bond between R.C.C. slab and concrete floor. +-

D 03. Working Specimen/sample: -

A working specimen of 300mmx300mm size shall be prepared and got approved from the Banks Engineer. The stone specimen shall be carried out for and shall cover following aspects.

- Each stone type used (Colour)
- Each type of stone finish specified
- Each type of stone thickness specified
- Approved grout / sealant of the approved joint widths

D 04. Transportation and Handling: -

Special care is needed in handling and storing stone slabs to prevent bowing, cracking, chipping, and staining. The stones shall be inspected prior to loading and all such stones shall be removed immediately. Supports shall be such that to avoid over-stressing or cracking of stone panels during storage and transportation. Stress concentration due to improper handling may interconnect micro or macro fractures of geological origin which may be present in the stone slabs. Stone slabs should be properly palletized or crated on edge for safe transportation and for economic unloading and distribution. Pallets, crates, or pre-assembled panelized stones on trucks or in containers shall be carefully secured to prevent them from shifting. Pre- assembled panels for storing and shipping shall be designed so that

the frame supports the stone and no load is transmitted through the connections to the stone slabs.

Report / recommendation from the adhesive / grout manufacturer for design adequacy / sufficiency of the adhesive / grout thickness for the specified stone thickness and finishes. The work shall be carried out strictly as per the report guidelines. Any change proposed to this agreed system shall be conveyed to BANKS ENGINEER and a written approval shall be obtained before proceeding.

D 05. STORAGE: -

The storage areas should be adequate, accessible, and the moving of materials of other trades should be limited.

Upon receipt at the building site and if already finished to size &finishes, stone shall remain in the factory-prepared bundles until beginning of the installation. Bundles shall be staged in an area which is least susceptible to damage from ongoing renovation activities.

The unbundled and if the stones are raw, the stone shall be stacked on timber or platforms at least 2" above the ground, and the utmost care shall be taken to prevent staining of the stone due to standing water, soil or other minerals or contaminants that may stain the stone or impact damage of the granite. If storage is to be prolonged, polyethylene or other suitable, non-staining film shall be placed between any wood and finished surfaces of the granite. Polyethylene or other suitable, non-staining film may also be required as protective covering. Any holes or slots in the granite which are capable of collecting water shall be temporarily covered or plugged. Such covers or plugs are to be removed immediately prior to installation of the piece.

D 06. SUBMITTALS: -

The Interior Contractors shall submit the following:

Samples of all type's Tiles/Marbles/stones etc. along with the mortar with different types of material & proportions used in a suitable size of 300 mm X 300 mm.

- All types of material proposed for grouting.
- All types of sealants used.
- Full available colour range consisting of cured samples for all proposed sealants /grouts.
- Technical data for all sealants and all products used to set all tile and stone
- Delivery schedule of all types of stones to site
- Protection methods and cleaning of the installation

D 07. Installation Methodology: -

The Interior Contractor shall ensure the installation methodology shall be as per specifications described in BOQ, if any doubts Contractor should get it clear from Banks Engineer, before proceeding the installation. The work shall be strictly carried out as per the approved procedure only. The methodology shall cover the various installations like dry / wet cladding, flooring, stair stone work, coping works for each type of stone installed. The methodology shall cover the sequencing of each type of stone installation work, equipment's used and correlation with the various services.

D 08. FINISHES: -

All edges and exposed faces of slabs shall be saw cut and shall be having the same surface finish. Saw blade marks on the edges are unacceptable. All edges of slabs shall be cut to the required chamfers, splays, quirks, and rounded, on the finished surfaces, all as per detailed approved shop drawings.

All stone slabs in any one room or space shall be of the same colour, veining, pattern and matching taken from the same block of stone.

D 09. DEFECTS: -

It shall be free from stains, sand, vents, flaws, holes, streaks, fossils, cracks, decay and weathering and of specified quality, size and thickness that would affect their appearance and durability. Any slab showing hairline cracks shall not be used, nor do slabs that have been patched up with clear epoxy resin glue.

D 10. DRESSING & FABRICATION OF STONE PANELS: -

All the stone panels shall be factory finished cut and sealed either at site or at quarry location. Factory fabrication is very critical to achieve the desired finish and for long time protection of the stone, If required the Interior Contractor shall set up a small scale factory or workshop preferably near site location to achieve the better quality. Field fabrication without a proper factory set up and prior approval from Banks Engineer is not allowed.

The Interior Contractor shall deploy the machineries such as cutting, grinding, polishing / flaming machines, gantry guarders for stone handling in required quantity based on daily production requirement and shall get it same approved from the Banks Engineer.

All stones/marbles shall be fabricated to sized and finished to required finish in the factory only. For patterned flooring actual dimensions shall be taken at the site and shop drawings in suitable scale prepared to identify correctly the sizes and shapes of all stones. The cutter blades used for cutting shall be of sufficient depth to cut the stone in one operation to avoid the handling of the stone. The at most care shall be taken to prevent damage to stone edges during all fabrication works. For special shapes the stone shall be cut such that no cutting marks projecting beyond the cut line shall be seen on the stone.

All angles and edges of the granite slabs shall be true, square or angular as required and free from chipping and the surface shall be true and plane Immediately after completion of the fabrication of the panels. it shall be treated with the protective surface sealer coat to prevent staining, dust accumulation etc. and shall be cured for required time in the factory only. The

sealer coat shall be applied on the top side of the stone and on backside with the anti-damp coating in case of the flooring in marbles & stones.

All marbles surfaces (floor, dado, counter etc.) to be protected from stain by applying the protective coatings from top (Teflon based coating) & bottom (Acrylic Latex).

Marble base mortar & slurry to be made using white cement.

D 11. FIXING IN GENERAL: -

Interior Contractor shall verify that the mortar bed provided in the design drawings is adequate to accommodate the selected flooring system as well as all construction tolerances so that the final installation results in achieving the finish locations as designed. Should any changes to the structure be required, the Interior Contractor shall notify the Banks Engineer immediately in writing.

D 12. MODE OF MEASUREMENT: -

Measurements shall be in Sqm. The length and breadth of the Plan area of floor shall be measured to two places of decimals of a meter from the finished surface of the floor.

D 13. RATE: -

The rates are inclusive of working at any level, leads, including necessary tools and plants, material and labour required for the scope of work described herein including the wastages. Expenses, if any, for supervision and technical assistance supplied by manufacturers and the requirements as stipulated in the specifications above.

Tiles Flooring & dado work

1.Material:

Vitrified tiles shall be of approved make and quality confirming to required size and colour. Samples of the tiles shall be got approved by the Bank's Engineer.

2.Workmanship:

This shall be in general conformity with clause No.2 of specification for polished Granite Stone and flooring subject to following changes:

a. Cement Mortar has to used, the tiles should be laid on bed mortar of minimum 20mm and not exceeding 40mm.

b. Edges of the tile shall be smeared with neat while / coloured cement slurry and fixing in cement grout floated over mortar bedding.

c. The joints shall be grouted with white cement mixed with matching pigments.

d. All the corner joints shall be mitered (Katra) so that the tile edges are not seen.

Section E: DECORATIVE PANELLING:

The wooden decorative panelling assembly shall comprise of Aluminium frame using horizontal Aluminium box sections spaced at equal interval and connected with vertical Aluminium box sections as supports.

The horizontal and vertical aluminium frame shall be 50mm wide, 25 mm thick spanning to the length of the ceiling as directed in the drawings.

The frame shall be cladded with 12mm thk ply of approved make.

Ply cladded with Recon veneer in pattern as per the drawing. to receive the finishes.

Panelling is finished with N.C. Lacquer Paint of approved make, shade as per Bank's Engineer and as per the manufacturer's specification. Wooden / veneer surfaces to be scraping.

All the exposed wooden surfaces shall be treated with N.C. Lacquer of approved make, colour and shade including all necessary coats of primer, putty as required to make the surface smooth and plain and as per the manufacturer's specifications.

All the ply shall be treated with the wood preservative coat.

The entire assembly installed shall be in exact plumb, line and level. Contractor to ensure the stability of entire structure/assembly.

Wooden moulding - 25mm x 25mm wooden moulding made using 1st Class well-seasoned Teak Wood as per drawing. The panelling is finished with N C Lacquer.

SECTION – F – ACOUSTC WORK

STC-45 PARTITION - 87mm with Plywood outer layer

Partition comprises of one layer of 12.5mm thick plain gypsum board and one layer of 6mm thick high density plywood board having density 690kg/m³, weight 8.7kg/m² fixed on the one side of stud GI frame work.

Framework includes Floor/Head channels having thickness 0.5mm, length 3660mm, equal flanges of 32mm and web of 50mm fixed to floor and slab with suitable fasteners at 300mm centers staggered. Noise and fire rated silicon sealant to caulk along the perimeter of the partition frame before fixing channels. Then Stud channel having thickness 0.5mm, length 3660mm, unequal flanges of 34/36mm and web of 48mm should be placed into the floor/head channel positioned vertically at 600mm centers.

50mm thick 60kg/m³ or higher mineral wool (enclosed with tissue paper) filled between the Studs and held in position by using chicken wire mesh/cross bracings/pasting on one side of the boards.
Supply and installation of one layer of 12.5mm thick plain gypsum board and one layer of 6mm thick high density plywood board having density 690kg/m³, weight 8.7kg/m² fixed on the one side of stud GI frame work.
Ply and Gyp panels are to be staggered so there are no double joint areas.
Joints to be plastered, tapped and finished as per maufacturers instructions.
Installed partition system is then finished as per ID requirement. Partion will be performance tested.

STC-55 PARTITION - 173mm with Plywood outer layer

Partition comprises of one layer of 12.5mm thick fire rated gypsum board and outer layer of 19mm High Density Playwood having density 690kg/m³, weight 8.7kg/m² fixed on the one side of stud GI frame work.

Framework includes Floor/Head channels having thickness 0.5mm, length 3660mm, equal flanges of 32mm and web of 50mm fixed to floor and slab with suitable fasteners at 300mm centers staggered. Noise and fire rated silicon sealant to caulk along the perimeter of the partition frame before fixing channels. Then Stud channel having thickness 0.5mm, length 3660mm, unequal flanges of 34/36mm and web of 48mm should be placed into the floor/head channel positioned vertically at 600mm centres.

An air gap of 10mm to be maintained between the first half and second half in the partition system.

50mm thick 640g/m³ mineral wool (enclosed with tissue paper) filled between the Studs and held in position by using chicken wire mesh/cross bracings/pasting on one side of the boards.

Supply and installation of one layer of 12.5mm thick fire rated gypsum board and outer layer of 19mm High Density Plywood having density 690kg/m³, weight 8.7kg/m² fixed on the one side of stud GI frame work.
Ply and Gyp panels are to be staggered so there are no double joint areas.
Joints to be plastered, tapped and finished as per manufacturer's instructions.
Installed partition system is then finished as per ID requirement.

STC-55 PARTITION on exisiting brick walls - 44mm + Exisiting Wall Thichness

Partition comprises of Floor/Head channels having thickness 0.5mm, length 3660mm, equal flanges of 32mm and web of 50mm fixed to floor and slab with suitable fasteners at 300mm centers staggered. Noise and fire rated silicon sealant to caulk along the perimeter of the partition frame before fixing channels. Then Stud channel having thickness 0.5mm, length 3660mm, unequal flanges of 34/36mm and web of 48mm should be placed into the floor/head channel positioned vertically at 600mm centers.

25mm thick 48kg/m³ mineral wool (enclosed with tissue paper) filled between the Studs and held in position by using chicken wire mesh/cross bracings/pasting on one side of the boards.

One layer of high density plywood board 19mm thick should be fixed the outer side of the channels.
This is STC -55 and the vendor to confirm this can be achieved.
Installed partition system is then finished as per ID requirement.

STC 50 - SOLID ACOUSTIC DOOR
Partition comprises of 86mm thick wooden sandwiched doors to achieve design criteria value of STC - 50.

The door frame profile is 125 x 150 mm of double rebated shall be constructed out treated Teakwood. The Door frame is suitably prepared, primed and painted / polished, as per Client's requirement. SHUTTER – Fabricated from Salwood frame double rebates on vertical and top edges with provision for noise and fire rated door seal fixing in rebates. The shutters should not have visible screws or fasteners on either surface.

The shutter shall have the insulation of 50x50mm thick wooden frame @ every 400mm centers and the Air gap to be filled with Rockwool insulation 50mm thick 48 Kg /m3 density wrapped in FR grade Hessian cloth. Then 5mm thick Polymer based membrane 1900 Kg/m3 density to be adhered on the Plywood surface. 12mm thick 800 Kg/m3 density BWP plywood to be fixed to sub frame along with the Polymer based membrane. Final finish is with Veneer lamination or as per Architect's design. The shutters should have the provision for fixing automatic mechanical drop seal at the bottom edge.

Because of their extra weight, Acoustical doors usually require reinforcement of the door frame and heavy-duty mounting hardware and ball-bearing hinges. Perimeter seals should be of soft Neoprene not with foam or felt. Neoprene should retract when doors are opened.

Bottom of door leaf shall contain continuous, adjustable, gravity-activated seal that shall compress against the floor as the door is closed. Automatic door bottom seal should be fully motorized into the bottom of a door and should be very effective acoustic threshold seal when used in conjunction with appropriate head and jamb seals having durability of minimum 1,000,000 cycles. Raised sills and threshold drop seals will not be acceptable. Seals should be adjusted properly so that door closure will not be difficult.1/2" clearance to be given if the floor is carpeted. Above the door wall has to extend till structure to avoid flanking noise between the areas.

SECTION G: - POP, FALSE CEILING &TRAP DOORS

G 01. APPLICABLE CODES AND SPECIFICATIONS

The following Indian Standard Codes, unless otherwise specified herein, shall be applicable. In all cases, the latest editions including all applicable official amendments and revisions shall be referred to.

IS 1200 (PT.IX)	Method of measurements of building and civil Engineering works Part – 9 Roof Covering (including cladding)
IS 1200 (PTX)	Method of measurements of building and civil Engineering works Part – 10 Ceiling and Lining.
IS 1367 (PT -13) fasteners	Technical supply conditions for threaded steel Pt. 13 hot dip galvanized coating on threaded fasteners.
IS 2095 (PT – 1)	Gypsum plaster boards (Pt. 1)

G 02. PLASTER OF PARIS

The plaster of Paris shall be of the calcium-sulphate semi-hydrate variety. Its fineness shall be such that when sieved through a sieve of IS sieve designation 3.35 mm for 5 minutes the residue left on it after drying shall be not more than 1% by weight. It shall not be too quick setting. Initial setting time shall not be less than 13 minutes. The average compressive strength of material determined by testing 5 cm cubes after removal from moulds, after 24 hours and drying in an oven at 40 degree C till weight of the cubes is constant, shall not be less than 84 kg per square metre.

G 03. APPLICATIONS

The material will be mixed with water to a workable consistency. Plaster of Paris shall be applied to the underside of the laths over the rabbit wire mesh in suitable sized panels and finished to a smooth surface by steel trowels. The plaster shall be applied in such a manner that it fully fills the gaps between the laths and the thickness over the laths is as specified in the description of the item. The joints shall be finished flush to make the ceiling in one piece. The finished surface shall be smooth and true to plane, slopes or curves as required.

G 04. MEASUREMENTS

Length and breadth of superficial area of the finished work shall be measured correct to a cm. Area
shall be calculated in square metre correct to two places of decimal.

The work shall be deemed to comprise of flat surfaces only unless specifically stated otherwise in the description of the item.
Any sunk or raised mouldings in the plaster shall be measured and paid for separately, deductions being made from plastering on ceiling only if the width exceeds 15 cm.

G 05. RATE

The rate shall include the cost of all materials and labour involved at all heights in all the operations described above including all scaffolding, staging etc. The rate does not include for any raised or sunk mouldings or for any patterned finishing of the surface

FALSE CEILING WORK

G 06. MATERIAL & FIXING: -

False Ceiling work

General

The scope of work under this specification section includes designing, providing and installing various false ceiling system at interior spaces of any height, as per the approved shop drawing, working specimen and methodology.

Related Sections

The works mentioned in this specification sections should be coordinated with the work described in other specification sections, including:

- General Civil Works
- Access doors in false ceiling
- All services(MEP)
- HVAC Works
- Electrical works
- IBMS Works

Design Criteria

The false ceiling system shall be designed to accommodate

- Vertical deflection of L / 360 or 20 mm which ever is greater
- Applicable wind pressure
- Seismic force (should take care of the seismic forces as per the applicable seismic zone)

Tolerance

Variation from plumb, level and true to line for all false ceiling line shall be 3 mm in 3 meters.

Working specimen/sample

A working specimen at the actual place of different systems mention herein as instructed by Banks Engineer shall be treated for architectural finish and the work shall be done up to the satisfaction of the Banks Engineer. The further work shall be carried out strictly as per the working specimen in terms of finish and Tolerance.

The working specimen shall be executed for a ceiling comprising of four no. of gypsum / substrate boards showing the joints and the joint finishing with the cove in gypsum on one side.

The working sample shall be coordinated and executed with working specimen for the wall plaster and interior stone cladding works.

The contractor shall furnish for approval, with reasonable promptness, all samples as specified or directed by the Banks Engineer particularly samples of all internal and external finishes described in the Contract Documents. The Banks Engineer shall check and approve all such samples. One approved sample will be retained by the Banks Engineer and the remainder returned to the Contractor. All works shall then be in accordance with the approved samples.

Manufacturer's Report & Certification

The contractor shall produce the certificate of the manufacturer for usage of his recommended material at site. The certification shall cover all the major items of the system responsible for the stability &performance of the system.

The contractor shall produce reports from the manufacturers periodically and the report shall cover following

- Inspection & observation of the material at site.
- Inspection & observations of the Installation process.
- Quantity of material supplied by the manufacturer & subsequent consumption at site.
- Confirmation of the material consumption as per standards.
- Stage wise certification for installation done at site as per manufacturers standard.

The report shall be submitted at each important stage of the installation as recommended by the manufacturer & as mentioned below but not limited to

- Installation of the metal grid system.
- Complete installation of the system with installation of the board, finishing of the joints, providing cut outs in the ceiling for ceiling devices like light fixtures, AC grills etc. before painting of the ceiling.

G 07 Gypsum Board & MR Board False Ceiling

Suspended 12.5mm thick Gypboard Plain Ceiling:

Framing : {Serrated steel section with effective thickness of 2T (2xdepth), better load carrying capacity, enhanced screw retention, improved acoustic performance, and fire resistance as Compared to plain steel section and with a load bearing capacity of 33 kg/m2, Perimeter Channel {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS277)} fixed along the Perimeter of existing wall/ partition with the help of PVC Anchor (6x40) at 600 mm c/c for brick wall. Ceiling Angle {Material-GI(IS513), YS-260Mpa, Finish Galvanised 150GSM(IS277)} is suspended by fixing it to the soffit cleat {GI(IS513) YS-260Mpa, Finish-Galvanised 120GSM(IS277)}. Soffit Cleat and Rawl Plug- Ø8x45mm {Material-IS 513 CR1 grade, Zinc coating (7 to 8 microns) pull out load- 6.8kN for M30 concrete grade} creating 1220mm x 1220mm grid. Intermediate channel {Material-GI(IS513), YS-260Mpa, Finish-Galvanised 150GSM(IS277)} is fixed to the Ceiling Angle with M6 x 12mm Hex Bolt & Hex Nut arrangement {Material–As per EN 10083 Finish – Zinc Plating} or with 2 Nos of Ø4.2x13 Metal to Metal screw {Material-Carbon steel EN-ISO 7049/50 Finish- Zinc Coating Thickness- 4.14micron.}. The Ceiling Section {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS277)} is then fixed to the Intermediate Channel {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS277)} with the help of Connecting Clip {Material-High carbon Spring steel wire(BS970Gr.En42)-46-48HRC,Finish-Zinc plating 4-6 micron} and in direction perpendicular to the Intermediate channel at 457mm c/c.

Board : Single layer of 12.5mm thick Gypboard Plain (conforming to IS 2095 Part 1 : 2011 , ISI Mark Certified, International EPD Verified, Gypsum Board to be certified class 1 by virtue of BS-476 Part 5,6, & 7 & certified GreenPro by CII) of size 1219 x 1829mm is then screw fixed to ceiling section with 25mm drywall screws {Material-Carbon steel EN-ISO 7049/50,Finish-Case hardened Grey Phosphating as per JIS G3507-1} 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.

Vendor to submit MTC for ordered material & Gyproc technical consultant visit is mandatory for material inspection & performance certification for the system.

All system to be fixed as per manufacturers recommendations.

Mode of measurement: Any level difference for any drop/ step up will be measured in SMT

Suspended MR Ceiling:

Framing: Perimeter Channel {Material-GI(IS513),YS-260Mpa,Finish- Galvanised 150GSM (IS277)} is fixed along the perimeter of existing wall/ partition with the help of HILTI HPS - 1 (6x40) impact anchor, at 600mm centres. Ceiling Angle {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS277)} is suspended by fixing it to

the soffit cleat {GI(IS513)YS-260Mpa,Finish-Galvanised 150GSM (IS277) }. Soffit Cleat and Rawl Plug- Ø8x45mm {Material-IS 513 CR2 grade, Zinc coating (7 to 8 microns) pull out load- 6.8kN for M30 concrete grade} creating 1220mm x 1220mm grid. Intermediate channel {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS277) } is fixed to the Ceiling Angle with M6 x 12mm Hex Bolt & Hex Nut arrangement {Material–As per EN 10083 Finish – Zinc Plating} or with 2 Nos of Ø4.2x13 metal to metal screw {Material-Carbon steel EN-ISO 7049/50 Finish- Zinc Coating Thickness- 4.14micron.} The Ceiling Section {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS277)} is then fixed to the Intermediate Channel {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS277)} with the help of Connecting Clip {Material-High carbon spring steel wire(BS970Gr.En42)-46-48HRC,Finish-Zinc plating 4-6 micron} and in direction perpendicular to the Intermediate channel at 457mm c/c.

Board : Single layer of 12.5mm tapered edge MR is then screw fixed to ceiling section with 25mm drywall screws {Material-Carbon steel EN-ISO 7049/50,Finish-Case hardened Grey Phosphating} at 230mm centers on ceiling section & 150mm at periphery of ceiling. 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 Air Dry (Conforms to ASTM C475), Joint Paper tape. Serrated section has effective thickness of 2T (2xdepth), better load carrying capacity, enhanced screw retention, Improved acoustic performance & fire resistance as compared to plain steel section.

Vendor to submit MTC for ordered material technical consultant visit is mandatory for material inspection & performance certification for the system.

All system to be fixed as per manufacturers recommendations.

Mode of measurement : Any level difference for any drop/ step up will be measured in SMT.

G 08. Wooden Ceiling

The wood ceiling assembly shall comprise of Aluminium frame using horizontal Aluminium box sections spaced at equal interval and connected with horizontal Aluminium box sections supports. The assembly shall be suspended from the ceiling with the dropped ceiling framing / connectors connected to the concrete slab.
The horizontal aluminium frame shall be 50mm wide, 25 mm thick spanning to the length of the ceiling as directed in the drawings.
The frame shall be cladded with 12mm thk ply of approved make. Ply cladded with Recon veneer in pattern as per the drawing. to receive the finishes. Ceiling is finished with N.C. Lacquer Paint of approved make, shade and as per the manufacturer's specification. Wooden / veneer surfaces to be scraping.
All the exposed wooden surfaces shall be treated with N.C. Lacquer of approved make, colour and shade including all necessary coats of primer, putty as required to make the surface smooth and plain and as per the manufacturer's specifications. All the ply shall be treated with the wood preservative coat.

The entire assembly installed shall be in exact plumb, line and level. Contractor to ensure the stability of entire structure/assembly.

Mode of measurement:

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.
Mode of measurement: Any level difference for any drop/ step up will be measured in SMT.

SECTION H : DOOR FRAMES & SHUTTER & STORAGE

H 01: WOODWORK

Applicable Codes and Specifications

IS 710 : 2010	Specification of Marine Plywood
IS 1477 Part 1 Reaffirm 1995 IS 1477 Part 2 Reaffirm 2000	Code of practice for painting of ferrous metals in buildings (Parts 1-Pretreatment & 2 - Painting) (First revision)
IS 1659 : 2004	Specification for block boards
IS 287 : 1993	Permissible Moisture Content of Timber used for different purposes.
IS 2338 Part 1 - Reaffrim 2000 IS 2338 Part 2 - Reaffrim 2000	Finishing of Wood and Wood Based Material
IS 848 : 2006	Synthetic Resin Adhesives For Plywood
IS 1734 (Parts 1 to 20) Reaffirm 2003	Tests For Plywood
IS 1200 Part 21 Reaffirm 2002	Measurement of Building and Civil Engineering Works
IS 4021 Reaffirm 2006	Timber Door and Window
IS 1003 part 1 Reaffirm 2008	Timber Panelled and Glazed Shutter
IS 3614 Part 1 Reaffirm 2002 IS 3614 Part 2 Reaffirm 2002	Metallic and Non Metallic Fire Check Doors
IS 2202 Part 1 & 2	Wooden Flush Door Shutters

H 02. GENERAL SCOPE

This section shall cover all woodwork, joinery and similar work in interior.

All woodwork associated with work of all other sections shall also be done generally according to these specifications unless specified otherwise.
Unless otherwise specified, Timber used in the work shall be approved quality. No woodwork shall be painted, varnished waxed or otherwise finished before specifically approved by the Banks Engineer.

1.Related sections

The work mentioned in this specifications section should be coordinated with the work described in other specification sections / other works, including

All sections of Civil Interior Works

- Masonry & plasterworks
- Flooring & stonework
- False ceiling works
- Painting works
- Services – (MEP)
- Electrical Works
- Audio Visual works.

2.Fixing Generally

All wood shall be fixed in the manner as shown in the drawings. If not shown, fixing with masonry/concrete shall be done with expansion plugs (Anchor fasteners), holdfasts, GI cut nails and screws of approved size as approved by Banks Engineer, and under no circumstances they shall be fixed by wooden plugs. Exposed fixings are not acceptable. In case fixing with partition shall be done wooden plugs & Anchor fasteners of required depth.

3.Workmanship

All work shall be done as per best trade practices by skilled workmen, as per approved shop drawings, approved methodology for works in reference with the relevant Indian Standards.

4.Samples and shop Drawings

The contractor shall before proceeding with the work, submit samples of all wood species, all proposed finishes, complete samples of the various materials including hardware and fastening devices and shop drawings and large scale details covering all joinery work and installation methods to the Banks Engineer for approval.

The shop drawings shall show the fastener layout clearly distinguishing between metal fasteners and wooden plugs proposed in the assembly.

The woodwork shall not deviate from shop drawings in any respect, including finish, dimensions, materials or method of joining.

Two sets of sample of the material as mentioned below for teak wood shall be submitted for the approval of the Banks Engineer.

300 mm x 300 mm samples illustrating the range of colours and grains for the

- Laminate

- Wood
- Veneers

SS clamps - 1No.MR Grade plywood - 300 mm X 300 mm.

The construction program and the schedules prepared by the contractor shall have adequate time provision for review and revision of shop drawings prior to approval.

Approval / comments conveyed herein neither relieves vendor / contractor of his contractual obligations and his responsibilities for means and methods of construction, correctness of, dimensions, materials of construction, weights, quantities, design details, assembly fits, performance requirements and conformity of the supplies with the Indian Indian statutory Laws as may be applicable, nor does it limits the purchaser's rights under the contract.

5 Starting of Work

Unless otherwise instructed, finishing of woodwork on trims, finished frames, etc. shall not be commenced until all interior plastering and flooring is completed and cured and area cleared of all rubbish. Whenever so required samples of actual work shall be installed at the site and got approved by the Banks Engineer.

6 Timber

The wood used for the entire project shall be of approved quality. The other wood specified shall be from the sustainable forest. The contractor shall produce the necessary certificate for the same whenever demanded by Banks Engineer.

The source of the wood and all other wooden products shall be from a sustainable source and shall be adequate to cater the wood requirement for next phase of the project. The contractor shall arrange for the source inspection and shall make Banks Engineer for sufficient availability of the wood catering the project.

The wood shall be of best quality kiln seasoned timber of its kind specified. All timber shall be treated with approved anti-termite treatment. Samples of all wood shall be got approved before ordering. Moisture content of wood shall be in accordance to IS:287-1993.

All timber shall be plain sawn, uniform in texture, free from large, loose, dead or cluster knots, wanes, injurious open shaken bore holes, rot, decay discoloration, soft or spongy spots, hollow pockets, pith or center heart and all other defects and blemishes.

All timber to be used on project to have square edges and should be free of Splitting and twisting. All timber which is determined by Banks Engineer to have defects or blemish shall be rejected and may not be used.

Timber shall be well seasoned in kiln as per IS: 1141. Wood of greater moisture content shall not be used in any part of the structure.

All timber Length shall be as per the drawings / approved shop drawing.

H 03 VENEERS

The composite veneer shall be premium grade, plain sliced teak veneers. Veneers shall be

flitch matched, balanced matched (having equal widths) and shall be arranged such that the veneer face containing components provides a pleasing overall appearance. The flitch shall be shuffled to have an even distribution of leaves throughout the elevation; The grains of the various components need not be matched at the joints, but shall not be widely dissimilar in character and figure. Sharp colour contrasts at the joints of the components are not permitted. Members shall be selected so that the lighter than average colour members are not placed to darker than average members.

Veneers shall be picked from a selected range of tough premium hardwoods, shall be consistently strong and rigid complying with the selected ply & block boards.

H 04 Plywood :

M.R. Grade & BWP ply for wet areas.

Construction :

Ply wood consists of plies-face, core & panels – one on top of the other. A balanced construction is adopted to achieve the dual purpose of dimensional stability & minimum of joints. The veneers are well seasoned to bring down moisture contents from at least 8 to 12% levels so that they do not warp around on drying.

The ply shall be a heavy duty engineered panel material rendering excellent bending strength and stiffness and made out of best raw material, shall be exceptionally resistant to wood boring beetles and termites, treated with vacuum pressure impregnation preservative treatment and shall comply with IS 710:1976 (for marine ply).

TECHNICAL COMPLIANCES TO IS 710 : 1976

Specific gravity	0.8
Modulus of Rupture along the grains	45 N/mm2
Modulus of Rupture across the grains	27N/mm2
Modulus of Elasticity in bending along the grains	6700N/mm2
Modulus of Elasticity in bending across the grains	3600N/mm2
Glue adhesion in dry state(min) .	1100 N
Glue adhesion after 72 hours of boiling(min.)	800 N

Rough Carpentry

All joints shall as far as possible is mortised and tenoned and glued with best quality approved waterproof glue. Where mortise tenoned joints are not possible, the joints shall be securely screwed with the longest screws that may be used without splitting the wood. All wood shall be pre – drilled with pilot holes of sufficient size to accommodate such screws and fasteners.

Any timber found to have splitting or have developed splitting shall be replaced and shall not be used.

Wherever it is necessary or nailing cannot form an adequate joint, the members shall be lapped or jointed by GI straps or extra wood blocks. All joints shall be done with neatness and as approved and directed by the BANKS ENGINEER. Cross bracing, solid blocking and bracing shall be provided as per the approved shop drawings.

Joinery

All finished woodwork and joinery shall be wrought and planed smooth to the correct dimensions and profiles called for in the drawings.

All joinery work shall be securely mortised and tenoned and glued with best quality glue. For all joinery work use of nails shall not be permitted, and wood screws of appropriate size and of approved make shall be used. Wherever practicable, means of fastening the various parts together shall be concealed. All work (both carpentry and joinery) shall be to the dimensions shown on the drawings.

All wood finish shall be smoothly treated and sanded at the building after erection, until all defects are entirely removed. Any materials showing splits saw, and paper or other defacing marks or other defects shall be rejected and shall be straight grained have matched grain contrast, colour and shall be approved by BANKS ENGINEER before being fabricated.

Sawing

All scantlings, planks, battens, etc. shall be sawn in straight lines, planes, uniform thickness, of full measurements from end to end and shall be sawn in the direction of grain. They shall be procured with sufficient margins in as to secure the specified dimensions, lines and planes after being wrought.

Hold fast

Hold fasts shall be made from mild steel flats not less than 5 mm thick, in accordance to IS: 7196-1974 and shall be galvanised. Heavy- duty Stainless steel/aluminium/brass hinges of appropriate size and numbers shall support the shutter.

A minimum number of three holdfasts shall be fixed on each side of door and window frames, one at center and the other two at 30mm from top and bottom of the frame. In case of window and ventilator frames shorter than one meter, two holdfasts on each side, at quarter points shall be fixed.

Hold fasts shall be fixed to the frame by steel screws only. The frames in masonry wall shall be fixed in cement concrete blocks as per drawing.

Frames

Frames should be of solid wood as specified and shall not possess any individual hard and sound knot exceeding 40mm in diameter and the aggregate area of all the knots shall be minimum. not exceed one percent of the area of the piece and shall be Best Quality well seasoned Teak wood door frames of required size & profile- max. moisture content 12% (IS 287) made out of Superior quality Teak wood as approved, kiln seasoned, antitermite treated, shaped, grooved, mitered joint arrangement.

All members of frames shall be at right angles on inside surface of the respective members. All frame members shall be straight without any warp or bow and shall be smooth and well planned on the exposed sides. The top frame members of doors, Vertical of door frames shall project about 40mm into the floor finish. The members shall be in plumb, true and square. Frames shall allow for an even space between the door shutter and frame at the top and side of the door.

The frames shall also be protected from damages during construction.

The door frames without sills while being placed in position shall be provided with temporary

wooden bracings well wedged between the styles at the sill level. The sills shall be retained to keep the frames from warping during construction.

H 05. Door Shutters

The door shutters shall be as per specifications mentioned in Schedule of quantities.

Shutters (Paneled / Ledged and braced)

Thickness as mentioned in Schedule of quantities and solid core Single/Double leaf flush shutter as per drawing details confirming to IS 2202 (Part I) factory made hot pressed internally lipped, using with BWP ply and exterior quality synthetic adhesive conforming to relevant IS codes.

Shutter edges to be finished with Teakwood beading of necessary thickness and finished as per drawing (melamine polish/paint). Wooden beading to be kiln seasoned anti-termite treated fixed with exterior quality synthetic adhesive and fixed with head less nails and non ferrous counters sunk screws.

Shutter to be hinged to wooden frame with using Heavy duty Hinges (minimum 4 nos.) of approved make, size OR as recommended by the manufacturers. SS Brush finished handle, lock set with minimum 3 keys set, tower bolt, stopper as approved and as recommended by Banks Engineer

Core

The core shall be one of the following types: -

H 06. Block board core:

The block board core shall conform to the requirements specified in Indian Standard Specification IS-1659-2004 The wooden strips for the core shall not exceed 30mm in width. The length of the majority of strips shall extend to the full length of the board. But end joints are permissible provided the jointed strips are distributed between full-length strips and the joints are staggered. In any one- block board, the core strips shall be of one species of timber only. A wooden frame prepared from styles and rails of well-seasoned and treated good quality wood shall be provided for holding the core. The width of the members shall not be less than 50 mm and not more than 100 mm. Alternatively, the core shall be of solid board with slots extending for about two third depth and at approximately 20 mm spacing. The slots shall be made alternatively on two faces of the board.

H 07 Face Panel for Solid Core Board

The face panel shall be formed by gluing by hot press process on both faces of the core with either plywood or cross-bands and face veneers. The thickness of the cross-bands as such or in the plywood shall be between 1 mm and 3 mm. The thickness of the face veneer as such or in the plywood shall be between 0.5 and 1.5 mm for commercial veneers and between 0.5 mm and 1.20 mm for decorative veneers. Wherever specified, the face veneering plywood shall be with BWP Marine Grade ply conforming to IS 303-1989 and IS 710-1976**.**

Lipping

Lipping in teakwood shall be provided as shown in the drawing. Unless otherwise specified, internal lipping shall have a total depth not less than 25 mm. Lipping may be provided

separately or as one piece with the style.

Rebating

In case of double leafed shutters, the meeting of the styles shall be rebated by one third of the thickness of shutter. The rebating shall be either splayed or square type. Where lipping is provided, the depth of lipping at the meeting of styles shall not be less than 35 mm.

Adhesives

Adhesive used for bonding cross-band and plywood to core and face veneers to cross band, shall be phenol formaldehyde synthetic resin conforming to BWP type specified in IS: 848-1974.

Only synthetic resin adhesive shall be used for binding core members to one another including core frame, and for lipping, glazing, frame, Venetian frame and other exposed parts where such binding is done.

Plywood -

Plywood for general purposes shall be of three grades namely MR Grade, Commercial ply & BWP as per the requirement for wet areas., drawings.

Laminate

The laminate shall be minimum 0.8mm and 1.00 mm thick and shall comply with the values Specified as per IS: 2046 -1995,

Glass

Unless otherwise specified all glass shall be toughened float glass of approved make as per IS: 2553 Part I - 2020 OR as specified in Bill of quantity and drawing. Glass shall be free from blisters, stain, scratches and bubble sand flaws of every kind and shall be properly cut to fit frames and mullions. Samples of all glass types and finishes to be provided for review by Banks Engineer.

Fittings

The rate quoted for doors shall include for fixing of door shutter with 3 to 4 hinges (Brass) and the necessary screws for fixing the same. The rate shall also include providing & fixing of the following fittings as mentioned in schedule of quantities like

- Hinges (Brass finish)
- Tower bolt Brass finish
- Handle brass finished
- Lock
- stopper.
- Screws
- Hydraulic open type door closers. **Type 1** – door closure on frame with door leaf opening outside.
  Type 2 – door closure on frame with door leaf opening inside. The door closure should not be visible from outside, to be mounted on inner side.

- Specialized hinges for credenza shutters etc.

- Drawer channels telescopic / regular.
- Door stops /stoppers
- Internal Door Seal (1000mm) Brown

H 08 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.

1.DOOR FRAMES

a. The door frame profile shall be 150x60 mm of double rebate construction made from 1.0 mm GI steel sheets.

b. The Door frame shall be suitably prepared, primed and finished with paint to match with door shutter as per Bank's requirement.

c. Frames shall be rigidly bolted at top jamb for direct installation at site.

d. The door frame shall be fixed by adequate number of anchor fasteners on vertical and top jamb as required.

2.SHUTTERS

a. Fire rated shutters shall be constructed out of 0.9mm thick Steel sheet.

b. Fully flush double skin doors shall have interlocks seam arrangement at stile edges.

c. Shutters shall have no screws or rivets on either face.

d. The in-fill material shall be proprietary fire rated heat-insulating material suitable for stability and integrity upto 2 hours fire rating.

e. Shutters shall be fabricated at factory with pre-punched cut outs to receive Iron Mongery.

f. Shutters shall have predrilled hinge plates with Hinge guard covers and concealed lock box with lock fixing brackets and pre-tapped holes

g. Shutters shall be finished with paint of colour choice as approved by Banks Engineer.

h. The overall thickness of the shutter shall be 50mm for 2hrs rating.

3.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.

4.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.

5. 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 SOQ requirement.

Ironmongery

Hinges

stainless steel ball bearing of hinges of size 100 x 100 x 3mm.

Lock

Mortise locks with lever handle as approved.

Door Closers

Heavy duty standard arm type having designer cover OR as recommended by manufacturers.

Mode of Measurement

Fire Doors - 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.

SECIALISED WOOD ELEMENTS

General

This section shall cover all woodwork and joinery to be carried out in mock up and final work. Unless otherwise specified, Timber used in the work shall be of approved quality. No woodwork shall be painted, varnished waxed or otherwise finished before specifically approved by the Banks Engineer.

Workmanship

All work shall be done as per best trade practices by skilled workmen, as per approved shop drawings, approved methodology for works in reference with the relevant Indian Standards to the satisfaction of the Banks Engineer.

Material

Stainless steel

All the stainless-steel items shall be of 304 grade and in brush finish including all necessary fasteners and accessories.

Fasteners / Plugs

Stainless Steel anchor fasteners of the approved make shall be used for the fixing. All fasteners shall have countersunk heads unless otherwise showed on the drawings. The anchor fasteners shall be of highly non corrosive and chemical anchor type. The wooden plugs of the same wood used in the work shall be used Wherever specified and as per approved shop drawing. Plugs shall installed then sanded flush and finished to match adjacent finish.

SECTION I : - PAINTING WORKS

I01 Applicable Codes

The following Indian Standard Codes, unless otherwise specified herein, shall be applicable. In all cases, the latest editions including all applicable official amendments and revisions shall be referred to.

IS 428: 1969	Distemper, oil emulsion, colour as required
IS: 110	Ready mixed paint, brushing, and gray filler, for enamels for use over primers.
IS: 5410	Cement paint, colour as required
IS: 2932	Specification for enamel, synthetic, exterior type (a) undercoating, (b) finishing
IS:3536	Specification for ready mixed paint, brushing, wood primer, pink
IS 5411-1969	Specification for plastic emulsion paint (part 1 & 2)
IS 2395(Part 1):1994 reaffirm dated Feb 2005	Code of practice for painting concrete, masonry and plaster surfaces: Part 1 Operation and workmanship (first revision)
IS 2395(Part 2):1994reaffirm dated Feb2005	Code of practice for painting concrete, masonry and plaster surfaces: Part 2 Schedule(first revision)
IS 6278:1971 reaffirm dated May 2003	Code of practice for white-washing and colour

02.BEFORE COMMENCEMENT OF WORK: -

Before starting work under this section large size samples of coating including preparation of surface shall be made at the site and approval obtained from the Banks Engineer before proceeding with the finishing works. Only after specific approval has been given to the samples, work shall commence. The actual work shall be done as per the approved samples.

03. PREPARATION OF SURFACE: -

The surface shall be thoroughly cleaned of all mortar dropping, loose pieces & scales, dirt, dust algae, grease and other foreign matter by brushing and washing. Pitting in plaster shall be made good and a coat of paint/primer shall be applied over patches.

04.APPLICATION: -

The solution shall be applied on the clean surface with brushes or spraying machine. The solution shall be kept well stirred during the period of application. It shall be applied on the surface, which is on the shady side of the building so that the direct heat of the sun on the surface is avoided. The method of application of paint shall be as per manufacturer's specification.

The second coat shall be applied after the first coat has been set for at least 24 hours or as specified by manufacturer.

05. CLEANING: -

All rubbish waste or surplus material shall be removed from time to time, and all woodwork, hardware, floors, or other adjacent work shall be cleaned upto the satisfaction of the Banks Engineer. Hardware and other unpainted surfaces shall be cleaned using lacquer thinner or paint remover.

06. SCAFFOLDING: -

Wherever scaffolding is necessary, it shall be erected on double supports tied together by horizontal pieces, over which scaffolding planks shall be fixed. No ballies, bamboo or planks shall rest on or touch the surface, which is being painted.

Where ladders are used, pieces of old gunny bags shall be tied on their tops to avoid damage or scratches to walls.

For painting of the ceiling, proper stage scaffolding shall be erected with proper protection of the floor preventing the scratch mark on floors. Also the scaffold should be operated to prevent any damage or discoloration of the surface.

Painting shall not be started until and unless the Banks Engineer has inspected the items of work to be painted, satisfied himself about their proper quality and given his approval to commence the painting work.

The rooms should be thoroughly swept out and the entire work area should be cleaned up minimum one day in advance of the paint work being started.

However, it should be noted that approval from the Engineer shall not relieve the Interior Contractor of his responsibility and any damage to the property or any loss of life due to the negligence on this regards shall be at the Interior Contractor's account.

07.MODE OF MEASUREMENT: -

The length and breadth shall be measured to two places of decimal of a meter and area

worked out in square meter.

08. 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 and the requirements as stipulated in the specifications above.

Painting & Colour Washing

The work of painting colour washing shall be done according to IS 2395(1966) and 1477(1959) shall be to the entire satisfaction of the Engineer.

A Interior grade emulsion paint

The paint shall be of approved manufacturer and shade.

Preparation of surface – The surface shall be scrapped thoroughly to remove existing distemper colour wash or whitewash or any other protective film. Any major patch repair or crack shall be cut out and made good as specified under Patch Repairing. Cracks may be wetted thoroughly prior to filling or priming paint may be applied to the sides of the cracks to avoid undue absorption of water and subsequent shrinkage of the filling. For filling plaster of Paris gauged with about one third of its volume of hydrated lime.

Prior to painting, fine cracks may be filled with distemper or Enamel putty depending on the proposed finish.

Distemper or lime wash shall be totally removed prior to repainting. The surfaces shall be wetted before scrapping.

Grassy or oily spots in the surface should be removed by approved method. One coat of chalk and glue may be applied before application of colour / white wash. The rates quoted shall include all the above operations.

a. . In addition, before application of primer coat the surface shall be cleaned with water and allowed to dry.
b. Preparation of paint – The paint shall be prepared strictly according to the approved manufacturer's specifications and directions.
c. Application of paint - First coat of Emulsion Paint of approved brand and shade one or two tones lighter than the final approved shade shall be applied uniformly by using soft bristle brush.

(A) Enamel painting–wood and plaster surface

(a) While preparing surface in old woodwork, accumulated dirt, grime, mould, growth due to dampness etc. shall be removed and the surface examined for defects. All projections such as glue or whiting spots shall be carefully removed with stopping knife and cleaned after which all knots shall be filled with knotting solution. Resinous or loose knots shall be removed and gaps filled with seasoned timber

piece and made level with the rest of the surfaces.

(b) Surface of previously painted woodwork, if it is smooth and in the good conditions, shall be cleaned with white spirit or other detergent. Rub surfaces with abrasive paper wash, clean, removed with fresh water and allow the surface to dry. Defective and loose putty shall be replaced.

(c) Where old painted surface has become badly blistered and cracked, the paint shall be completely removed either with blow lamp or with an approved quality paint remover.

(d) In case of walls dados required to be painted with enamel paint, if the old paint is white or colour wash, distemper or oil bound distemper, the old coating shall be thoroughly scrapped off till the original plaster surface is exposed. If old paint is oil paint and in good condition, surface shall be sand papered and cleaned.

(e) Painting shall be carried out as much as possible in dry and warm weather. Two coats of paint shall be applied to the surfaces as per schedule of work.

(f) The paint shall be of low VOC content.

Application of paint - The enamel paint shall be of first quality unless otherwise specified. The painting work shall be carried out as per manufacturer's specification and as specified under.

(a) Before application of primer coat, the surface shall be thoroughly dusted and then a coat of approved primer shall be applied. After allowing the surface to dry, the surface shall be sand papered lightly and indentations, unevenness etc. shall be made up by giving a coat of putty to obtain a uniform and plain surface.

(b) First coat of oil bound distemper of approved brand and shade one or two tones lighter than the final approved shade shall be applied uniformly by using soft bristle brush.

(c) After allowing the surface to dry for a minimum period of 18 hours, light sand papering and touching up uneven spots with putty, second coat of oil bound distemper shall be applied. This coat may be of final shade where coats of oil bound distemper is specified. Where painting is specified to be in three coats, the shade of paint of the second coat may be one tone lighter than the final shade. The third coat where specified shall be of final approved shade. The final coat of oil bound distemper shall always be finished by using rollers to obviate brush marks.

(4) Enamel painting to steel work

(a) The work shall generally be carried out as per IS 1477 (1959), wherever applicable and as directed by the Engineer.

(b) The surface shall be thoroughly cleaned of all scale, rust, dirt, old paint, grease and other imperfections by scrapping and brushing with steel wire brushes and if necessary, the surface shall be cleaned by chipping or any other best known methods, such as sand blasting and burning. The surface shall be made

thoroughly dry.

(c) Apply a coat of anti corrosive metal primer of approved make.

(d) Apply a coat of putty to make the surface even and uniform.

(e) Apply first coat of ready mixed enamel paint of approved make, quality and shade. The first coat shall be a tone lighter when compared to the final approved shade.

(f) Apply finishing coat of approved make as directed.

(5) Painting CI,GI, Asbestos etc. pipe sand fittings

(a) Paints – Paints, unless otherwise specified shall be first quality synthetic enamel paint of approved make and shade. The primer coat shall be red oxide or any approved suitable metallic primer ready mixed and of approved manufacture.

(b) Preparation of surfaces – All rust and scales shall be removed by scrapping or by brushing with steel wire brushes. All dust and dirt shall be carefully and thoroughly wiped away. The surface, if wet, shall be sun dried.

(c) Application – After preparing the surface, one coat of primer shall be applied. Care shall be taken to ensure that the surface is fully and completely covered, special attention being paid to the joints.

(d) When the primer coat has dried up and before any moisture, dirt, dust etc. settles on the surfaces, paint of the desired shade shall be applied to pipes. Application shall be done with brushes and the paint shall be spread evenly. The Surface shall be given two or more coats and shall finally present a uniform appearance.

(6) Melamine polish

Melamine polish consist thin resin that forms a thin film like coating when applied on wood surface. Melamine polish is a closed pore polish i.e. it makes the wood non-breathable product that protects wood from mainly hot and cold surfaces placed over it. Melamine polish dries off within 20 mins.

Base preparation : Sand the seasoned wooden surface using sand/water paper along the grains. Repeat the sanding smoothly with finer grade of sand/water paper then wipe off the loose dust particles. For raw sanding in case of solid wood, coarser sandpaper to be used (Grade – 80/120 no.) whereas for veneers and MDF, finer sandpaper to be used (Grade -150/180/220 no.). Grades to be selected based on substrate smoothness. More smoother the surface, relatively finer grades of Sandpaper to be used.

Application at ambient temperature with proper spray techniques/no water and oil coming from compressor, i.e. filter working properly, proper ventilation is there, surface treatment done properly and prescribed thinners are used. Coating thickness – 30 micron

MISCELLEANOUS WORKS

SPECIFICATIONS FOR ALUMINIUM DOOR & WINDOWS

The rate for various items shall include the following:

1. All Aluminum sections shall confirm to IS(India)AlloySpecification-63400.

- Providing & Fixing at all heights / all floors with all leads 60 micron powdered coated aluminium sections for doors / windows / glazing manufactured from best extruded aluminium sections from Jindal and approved manufactures from make list confirming to IS, cut to length and joints mitered, corners grinded with joints, water proof the outer frame and shutter frame stiffened with corner angle cleats, stiffening rod of 10mm provided for in the frame for fixing the frame to RCC columns / masonry sides, RCC lintels on top and PCC sills or floor, the framework fixed with standard approved fastenings or hinges as per details shown in drawings and specifications with all the sections pretreated for removal of any rust and prevention of any further rust all complete as per specifications and direction by the Bank's Engineer. Only exposed aluminium sections to be be anodized.

- In case of alteration items of M. S. windows standard "Z" sections, M. S. rolled or fabricated sections to any shape including bending as per requirement are to be used matching to the respective aluminium sections. The windows shall be painted with minimum two coats of spray enamel paint (of approved make and shade) over zinc chromate yellow oxide and with steel putty etc. complete as per design, direction and approved sample.

- The windows and doors are to be fixed with the External finished surface (either stone cladding /external plaster) and hence all the necessary EPDM rubber or wood packing / rough ground, fasteners of fisher/Hilti, polyurethane backer road of minimum10mm size,neutral grade silicon weather sealant minimum 10 x 6mm (between the frame and wall or other surface all around) shall be provided within the rate quoted so as to make the junctions fully watertight/airtight as per the drawings.

- Approved make selected clear glass(clear/frosted)/wired glass of specified thickness (5to 12mm) as mentioned in the drawings shall be used in doors. Wired glass / frosted glass louvers shall be provided wherever shown in the drawings after grinding the edges.

- Necessary hardware like locking arrangement with pin cylinder locks, dead locks, mortised locks, SS baby latch(occupied /vacant) SS push/pull or mortised handle, heavy quality hinges / pivot, concealed tower bolts, etc., of approved make & design (by Bank's Engineer) as per the drawings and as per BOQ. Floor springs and door

closer shall be measured and paid as per mentioned in BOQ.

- All gaskets used shall be 100% EPDM / siliconised rubbers gaskets of approved colour for long life guarantee.

- Necessary operating device (as per design) for operation of louvers of windows, ventilators, sky lights, including necessary rods shall be provided without any extra cost.

- The rates quoted shall be inclusive of manufacture, supply and installation at Site, and inclusive of all the necessary accessories EPDM rubber strips / siliconised rubber strip, locks, rods, excise duty, taxes, VAT, transport, labour charges, insurance, storage and safe custody, etc. complete.

- The rates shall also be inclusive of providing and applying neutral grade silicone sealant of approved make weather or structural with ordinary gun or compressed air operated gun as perthe requirement and making the joints around aluminium doors, windows curtain wall glazing etc. watertight, on the external periphery of the building at the junction of two different materials as directed by the Bank's Engineer.

- Necessary provision for rainwater disposal shall be done in the bottom guides/frames as directed and approved by Bank's Engineer.
- Offermustbeinaccordancewithdetaileddrawingswithdimensionsofaluminiumsectionsin frames and shutters as shown in drawing. It shall be accompanied by the detailed drawing if any deviation is proposed.

- The quantities are provisional and may vary to any extent. No claim will be entertained on this account for any reason.

- Double action hydraulic floor springs of approved make with minimum one year guarantee. The floor springs shall be of least possible thickness.

- Details/arrangementsforaftersales/maintenanceservicesshallbefurnished.

- Work shall be carried out in co-operation and in coordination with all other agencies working at Site.

- The civil work as required for fixing of floor springs, hold fast or other works required for thee reaction and completion of doors/windows etc. shall be done by the Interior Contractor without any extra cost.

- Any damage, if caused to the existing work done by other agencies, shall be reinstated by the Interior Contractor to its original condition without any extra cost.

- During the course of work, the Interior Contractor shall pay due care to avoid any stains on the powder coating work and if required, the Interior Contractors shall provide necessary protective arrangement as directed by the Bank's Engineers for which no

extra payments shall be made. After the installation is completed, if required by the Bank's Engineers, the aluminum work shall be washed with mild solution of non-alkali soap and water.

- The Interior Contractor shall be responsible for the windows/doors/curtain wall glazing/grills etc. being set straight, in plumb level and for their satisfactory operations after the fixing is completed.

- Wherever required and as directed strengthening of members shall be done by providing steel/M. S. concealed members without extra cost.

- Hydraulic door closer of approved make with minimum one year guarantee as and were shown in the drawings and as directed.

- Work shall be measured in clear surface area of doors / windows/ glazing etc., in sq. mtr sand rates to include all cost of all the materials including wastages like aluminium sections, glass, compact sheet, wire mesh, hardware like handles, locks, hinges, aldrops, stoppers, EPDM rubber, silica gel, sealant etc., all complete as per the drawings, specifications & as per the direction of Bank's Engineer. Consolidated rate for materials, hardware & labour to be quoted. Only floor springs & hydraulic closer will be measured separately and paid in relevant tender item.

SPECIFICATIONS FOR BLINDS

A- MOTOR

Motor Specifications

Power Source Voltage	V	AC220–230±10%
Frequency	Hz	50 /60
Current	A	0.53
Power Consumption	W	121

Rated Torque	Nm	3
Rated RPM	rpm	23.5/27
Rated Running Time	min	4
Ambient Temperature	°C	–10–40

Allowable Size

Width	800–2000 mm (31–79")
Height	800–4500 mm (31–177")
Max Surface area	9 m² (11 yd²)

Set bar type: with Easy Snap Brackets

Product Weight

4.0 kg (8.8 lb)
(width: 2000 mm/79" without screen)

*Maximum screen weight is different by the screen fabric. Please refer to "Typical Roll-up Diameter" and Rated Torque.

B – FABRIC – ALPHALIA SILENT AW

Alphalia
Silent Aw

	Technical properties		Standards
Weight	620 g/m²		EN ISO 2286-2
Width	270 cm (Kilimandjaro 6642 in 270 cm & 135 cm)		
	Physical properties		
Tensile strength (warp/weft)	250/220 daN/ 5 cm		EN ISO 1421
Tear strength (warp / weft)	25/25 daN		DIN 53.363
Impact resistance	Class 1A (Excellent after 36 impacts at 60km/h)		EN 13964 annex D
Micro organism resistance	Degree 0, excellent		ISO 846-A
Extreme working temperatures	-30°C / +70°C		in static position
	Flame retardancy		
Rating	**B1**/DIN 4102-1 – BS 7837 – **Class 1** / UNI 9177 – **Class A**/ASTM E84 – **Group 1** / AS-NZS 3837 – AS-NZS 1530.2 & 3 – IMO A653		
Euroclass	**B-s2,d0**/EN 13501-1		
	Solar and light properties		
	Kilimandjaro (White)	Lux (Translucent)	
Visible reflection Rv	90%	56%	EN 14501
Visible transmission Tv	7%	41%	EN 14501
Internal Solar Factor G_{tot}	0,31	0,41	EN 14501 (glazing C)
	Management systems		
quality			ISO 9001
environment			ISO 14001
	Certifications, labels, garanties		

10 year guarantee | Smart Yarn | CE Marking compliance (EN 14716) tensioned ceilings | S+ With S+ Serge Ferrari goes further than the Standards...(consult us for further information)

C – FABRIC – OKAPI

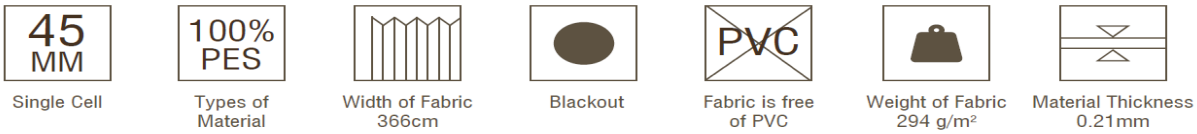
SPECIFICATION

Tolerence : ±0.05 mm (Actual Thickness) | ± 5% (Actual Weight)

OKAPI BLACKOUT

Composition : 100% Polyester
Thickness (mm) : Sheer 0.27, Vane 0.53
Width (mm) : 2800
Weight (g/m²) : 227

D – FABRIC – HONEYCOMB



Proforma of Performance Guarantee for Damp-Proofing and Waterproofing

Water Proofing of Bathroom for The Work Of

"Interior Renovation of B block 1st floor in Regional Office Building Including Civil, MEP, HVAC, Electrical, and Allied Works at Reserve Bank of India (RBI), Raipur"

We have treated the WATER PROOFING of Bathroom, Toilet and Kitchen Mori for the work of **"Interior Renovation of B block 1st floor in Regional Office Building Including Civil, MEP, HVAC, Electrical, and Allied Works at Reserve Bank of India (RBI), Raipur"**, as Interior Contractors M/S_____ the for the work. We have read and understood the scope and responsibility of the waterproofing and damp proofing work as provided for in the General Builders Work in their (M/s_____) Contract with the Reserve Bank of India and accordingly as a Proprietary Agency engaged by M/s_____for the items of works of damp proofing and water proofing in the building, we have treated the abovementioned surface/areas as per specifications for works furnished by us to the Bank, as a Interior Contractor.

After virtual completion of work and before the ___day of ____month of_____ at any time or times the basement floor, roofs, water tanks and other portion treated by us M/s_____ starts leaking or in any way get damaged to the influence of seeping water including forming wet patches, dampness etc. either due to the inadequacy of the work carried out or due to any other reason whatsoever relating to the specification, workmanship etc. including the responsibility for any surface treatment and plumbing works etc. carried out by other agencies, we the M/s_____ hereby undertake and guarantee carry out necessary remedial measures **up to 10 years** from the date of virtual completion of the works to such extent and so often as may be necessary to free the premises from such leakages, dampness without any extra cost to the Employer (Reserve Bank of India). The decision of the Employer in regard to the question as to whether there is any leakage or the treatment has given way to water or moisture, shall be treated as final and binding on us. We also undertake to reinstate the surface disturbed to attend to the rectification work to its original condition after carrying out the rectification work, if necessary, by bringing new materials at no extra cost to the Employer.

Signature

M/s._____

(Proprietary Waterproofing Agency)

Date Place

Counter Signed by For and on behalf of

M/s._____ (Interior Contractors)

Date Place

Proforma of Performance Guarantee for Anti Termite Treatment
Anti-Termite Treatment for the work of

"Interior Renovation of B block 1st floor in Regional Office Building Including Civil, MEP, HVAC, Electrical, and Allied Works at Reserve Bank of India (RBI), Raipur"

(On Rupees 100/- Stamp Paper)

Name of the firm/Company and its address: -

To,

Dear Sir,

Sub: Guarantee regarding Anti-termite treatment.

We hereby certify that all materials Cement, Steel, bricks, wood works etc., plywood, floor & dado, etc. used in the "Civil, waterproofing, wood work, plumbing works & Misc. Works "have been pre-treated by us against subterranean termite infestation in accordance with the procedure set out by the supplying agency.

We hereby guarantee that all work carried out by us at ---------- of "---------- ---------- at Raipur" all materials like cement, steel, bricks, wood works etc., plywood, Flush door shutters etc. of the said premises shall be safe against subterranean termite attack etc. for a period of **TEN YEARS** from handing over date of site _____ to _____.

In the event of the said work for the "---------- Raipur" all materials like wood, plywood, floor & dado being or becoming subject to subterranean termite attack or infestation at any time during the guarantee period of ten years, we agree to carry out as often as it becomes necessary, at our cost and expense, all and every treatment that may be necessary to render the said civil & interior works free from such subterranean termite attack or infestation.

The question whether the works carried out during Civil, waterproofing work, wood work etc. of ---------- of "The ---------- at Raipur" become subject to subterranean termite attack or infestation and whether any anti-termite treatment is or has become necessary shall be decided by the Employer / Design Architect / PMC and we agree that their decision in this regard shall be final and binding on us.

Yours faithfully,

For

(Signature of Anti-termite Agency)

&

Stamp & Signature of Main Contractor

Section -X

TECHNICAL SPECIFICATIONS FOR HVAC AND ELECTRICAL WORKS

NOTE: Mandatory Adherence: The Contractor shall strictly execute all electrical installation, testing, commissioning, and temporary infrastructure works in absolute conformity with the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023, the Electricity Act, 2003, the National Electrical Code of India (NEC), and relevant Bureau of Indian Standards (BIS) specifications, as amended up to the date of execution.

HVAC AND ELECTRICAL WORKS

These specifications cover the supply, installation, modification, testing and commissioning of HVAC distribution, electrical power, lighting and associated low-voltage services. They define the materials, workmanship and acceptance requirements for the works and shall be read with the approved drawings and contract conditions.

Submit product data, samples where required, and coordinated shop drawings for the Bank's Engineer's approval before procurement. Use approved makes and applicable BIS-certified products. Standards cited below shall mean the editions and amendments applicable at the tender date. Indian statutory requirements take precedence; IEC references supplement, and do not replace, mandatory Indian product certification.

1 HVAC works

1.1 Existing duct modifications

Carefully dismantle only the affected existing ductwork; identify reusable sections and protect retained services. Rework, realign and reinstall ducts to the approved layout. Rectify joints, supports, hangers and connections; provide the required insulation, gaskets, elbows, splitter dampers and turning vanes. Clean the ducts and check alignment, airtightness and operation before commissioning.

1.2 New ducts and branch collars

Provide factory-fabricated GSS rectangular or round ducts in 0.63 mm and 0.80 mm thicknesses, with 24G GSS branch collars/take-offs. Galvanised sheet shall conform to IS 277 and air ducts to IS 655. Follow SMACNA HVAC Duct Construction Standards for joints, stiffening, support spacing and pressure class. Confirm sheet thickness suitability for the approved duct dimensions and operating pressure before fabrication. Use smooth internal seams and gradual transitions; provide turning vanes at bends where required.

Provide sealed flanged/cleated joints, neoprene gaskets, fittings, turning vanes, dampers, fasteners and independent supports. Do not support ducts from the false ceiling. Keep damper controls accessible and protect cut edges against corrosion.

1.3 Duct insulation

New ducts and collars shall have 13 mm aluminium foil-faced insulation, continuously bonded over clean, dry surfaces. Seal joints, penetrations and terminations with compatible adhesive and foil tape to maintain a continuous vapour barrier. Avoid gaps and compression at supports. Submit the insulation core, thermal conductivity, water-vapour resistance and fire-test classification for approval. Insulation repairs to retained ducts shall be compatible with adjoining insulation and prevent condensation.

1.4 Grilles diffusers and volume control dampers

Provide approved linear grilles, slot and ceiling/wall diffusers with suitable frames, collars/plenums, connections, supports and volume control dampers. Use the approved size, material and finish; align with ceiling/wall joints and seal connections. Select outlets for the approved airflow and acceptable noise; adjust dampers and record final settings during balancing. Provide opposed-blade dampers with lockable adjustment and position indication. Use continuous perimeter gaskets and removable cores where maintenance access is needed.

2 AHU servicing and distribution boards

2.1 Existing AHU servicing

Service and commission the existing AHUs totalling 41 TR on a labour-only basis. Clean filters, coils, drain trays, fan/blower assemblies and accessible internal surfaces. Check motors, belts, bearings, dampers, drainage and electrical/mechanical connections; adjust and tighten as required after safe isolation.

Trial-run each AHU and record airflow, supply/return air temperatures, motor current, drainage, noise and vibration. Replacement parts, consumables, refrigerant, filters, belts, bearings, electrical components and other materials shall be supplied separately by the client, under this labour-only scope. Report defective components before replacement. Follow OEM maintenance instructions; verify motor earthing and winding insulation before reconnection, with IEC 60034-1 as the motor-rating/performance reference.

3 Power cables and point wiring

3.1 Cables and end terminations

Provide 1.1 kV grade, unarmoured, FRLS-sheathed, XLPE-insulated copper cables: 4-core 25, 10, 6 and 4 mm² and 3-core 4 mm². Cables shall conform to IS 7098 (Part 1); conductor construction/resistance shall meet IEC 60228. IEC 60502-1 covers equivalent low-voltage extruded-insulation cable construction and tests; the specified Indian voltage grade shall be retained. Verify cable identification, insulation, sheath and manufacturer's test certificates before installation.

Lay cables on approved supports/routes, observing manufacturer's bending radius and pulling limits. Protect entries and provide identification at both ends. Terminate with correctly sized brass single-compression glands, copper compression lugs, shrouds and ferrules; tighten to the manufacturer's torque. Provide protective-earth continuity and test each circuit before energisation.

3.2 Internal wiring and outlets

Use 1100 V grade, ISI-marked, multistranded copper FRLS PVC-insulated wires in the scheduled conduit system, with matching modular switches, shuttered sockets, plates and back boxes. Keep phase, neutral and protective-earth conductors together; segregate lighting, raw-power and UPS circuits. Provide continuous conductors between accessible terminations, without concealed joints. Bond metal boxes and switch only the phase conductor. Identify protective earth green/yellow and other conductors consistently with IEC 60445; mark existing-system interfaces clearly.

Item	Required arrangement
Primary light point	3 × 1.5 mm² point wiring; 6 A modular switch and outlet termination. Include 3 × 2.5 mm² circuit wiring from DB to switchboard.
Secondary light point	3 × 1.5 mm² point wiring, with switching/looping and outlet termination as shown in the approved layout.
Half point	6 A modular switch and universal socket on the light-control switchboard; wiring/accessories as for primary light-point wiring.
Independent 6 A socket	3 × 2.5 mm² wiring, 6 A modular switch, shuttered socket and suitable back box.
Independent 16 A socket	2 × 4 mm² phase/neutral + 1 × 2.5 mm² earth; one 16 A switch and socket.

Item	Required arrangement
Twin 16 A sockets	2 × 4 mm² phase/neutral + 1 × 2.5 mm² earth; two 16 A switches and sockets. Verify combined circuit loading.
Circuit wiring	2 × 1.5 mm² + 1 × 1.5 mm² earth in surface/recessed HMS PVC conduit, included in the item.

Standards: IS 694 for 1100 V PVC-insulated wires; IEC 60228 for conductors; IEC 60332-1-2 for single-cable flame propagation and IEC 61034-2 for smoke-density testing. Switches shall meet IEC 60669-1; sockets shall meet IS 1293 and applicable IEC 60884-1 requirements. Select wiring under IEC 60364-5-52 and protective conductors under IEC 60364-5-54. Verify load, voltage drop, derating and protective-device coordination. FRLS shall not be described as fire-survival cable.

4 Conduits raceways boxes and cable trays

4.1 PVC conduits

Provide ISI-marked HMS FRLS rigid PVC conduits of 25, 32 and 50 mm diameter. Use MMS conduits for point/LAN wiring and HMS for circuit wiring where specified. Provide matching bends, couplers, tees, inspection/junction boxes, bushes, pull wires and fixing hardware. Conduits shall comply with IS 9537 (Part 3), with IEC 61386-1 for general requirements and IEC 61386-21 for rigid-conduit requirements.

Select conduit size for cable fill and ease of withdrawal. Avoid sharp bends, crushed sections and inaccessible draw-in points. Fix securely, keep routes coordinated with other services and seal entries. Complete concealed work inspection before closing chases; restore finishes to match adjoining surfaces.

4.2 GI raceways and trunking

Provide 1.6 mm thick GI raceways, 100 × 38 mm and 50 × 38 mm, and 100 × 50 mm powder-coated GI trunking for DB dressing. Include covers, couplings, bends, clamps, supports, pull wires, floor cutting and making good as required. Provide floor junction boxes as specified in Section 4.3.

Deburr edges, protect cable entries and maintain accessible covers at finished floor/wall levels. Maintain at least 152 mm (6 inches) separation between data and power conduits as specified. Bond metallic containment and maintain electrical continuity across joints; PVC itself does not require earthing. Standard: IEC 61084 series, applicable to the installation arrangement.

4.3 GI junction boxes

Provide 2 mm thick GI floor/ceiling junction boxes in the following sizes: 100 × 100, 150 × 150, 250 × 250 and 350 × 250 mm, each 30/35 mm deep as approved for the location. Provide gasketed screwed covers secured with four stainless-steel screws, suitable entry cut-outs/knockouts and protective bushes. Keep covers accessible and bond metal boxes. Standard: IEC 60670 series, as applicable.

4.4 Perforated cable trays

Width × depth	Sheet thickness
50 × 50 mm	1.6 mm
100 × 50 mm	1.6 mm

Width × depth	Sheet thickness
150 × 50 mm	1.6 mm
300 × 50 mm	2.0 mm

Provide hot-dip galvanised perforated GI trays with galvanising thickness not less than 50 microns and perforation not more than 17.5%. Include connectors, bends, GI suspenders, supports, bolts and nuts. Size and space supports for the actual cable load; maintain continuity/bonding, smooth edges and access for maintenance. Standard: IEC 61537.

4.5 Flexible conduit

Provide 25 mm diameter PVC-coated MS flexible conduit complete with couplers, bushes and fixing accessories. Maintain bend radius, mechanical protection and bonding of metallic components. Standards: IEC 61386-1 and IEC 61386-23.

5 Lighting telephone and data cabling

5.1 LED fittings and installation

Install, fix, test and commission the selected LED fittings with connection wiring and accessories. Fixture selection and purchase shall be authorised by the Design Consultant and Bank's Engineer under the contract's provisional fixture provision. Coordinate mounting dimensions, ceiling cut-outs, driver locations and dimming arrangements before ordering.

Item	Fixture requirements
Linear LED strip	Surface-mounted flexible strip, 10 W/m, 4000 K, dimmable, CRI >80; nominal 20 × 20 mm section; length as drawing.
Recessed downlight	Diffused 15 W, 4000 K, non-dimmable, CRI >80; diameter 150 mm, height 100 mm.
Magnetic track	Recessed, dimmable; length 1000 mm, width 45 mm, height 85 mm; compatible with selected luminaires and power supply.
Magnetic track spot	10 W, 1000 lm, 23° beam, 4000 K, dimmable DT8 driver, CRI >80; diameter 45 mm, height 68 mm.

Submit coordinated fixture/driver/track data and samples before purchase. Provide secure mounting, thermal clearance, accessible drivers, correct polarity and compatible connectors. Earth Class I fittings and maintain the approved separation of mains and low-voltage wiring. Check operation, dimming and visual consistency after installation.

Standards: IEC 60598-1 for luminaire safety; IEC 60598-2-1 for fixed general-purpose luminaires and IEC 60598-2-2 for recessed luminaires, as applicable. LED controlgear shall meet IEC 61347-1 and IEC 61347-2-13; LED modules shall meet IEC 62031. For DALI, apply IEC 62386-101, IEC 62386-102 and the relevant device part; DT8 colour control is covered by IEC 62386-209. Confirm the intended DT8 function and compatible controls for the fixed-4000 K spot before ordering.

5.2 Telephone wiring

Provide 2-core telephone cable from the available MDF/junction point to each outlet, with PVC conduit, telephone jack and necessary terminations. Label both ends and test continuity and service operation. Sharing LAN conduit is permitted only where space and segregation requirements allow, as permitted by the approved routing. Segregate from

mains wiring and avoid joints within conduits; verify the outlet with the existing exchange/service.

5.3 LAN and CCTV cabling

Provide Cat 6 copper cable, RJ45 jack, modular outlet/plate, back box, MMS PVC conduit and complete termination accessories for 22 LAN and 7 CCTV points. Maintain pair twist and manufacturer's bend/pull limits; use one consistent approved termination scheme and label both ends. Standards: ISO/IEC 11801-1 and IEC 61935-1 for installed balanced cabling tests. Limit the permanent link to 90 m and the completed channel, including patch cords, to 100 m; maintain end-to-end Category 6 performance.

Certify each completed Cat 6 link for wire map, length, insertion loss and crosstalk using a suitable field tester, and submit identified test reports. Cameras, recorders, network switches and other active equipment are not included in these cabling items.

6 Public address fire alarm and completion

6.1 Public address works

Supply and install ceiling speakers with selectable 1.5/3/6 W taps, securely fixed and compatible with the existing amplifier line voltage and system. Verify total connected speaker load against available amplifier capacity before connection. Select taps for intelligible and reasonably uniform coverage; identify circuits and maintain polarity. Loudspeaker performance data shall follow IEC 60268-5; submit rated power, impedance/line voltage and tap settings.

Provide FR PVC-insulated copper speaker cables with conductor sizes of 1.5, 2.5 and 4 mm² in suitable PVC conduit, including connections. Confirm the required pair/core configuration in the approved wiring diagram before ordering. Use IEC 60228 conductor requirements and IEC 60332-1-2 flame testing, as applicable. Select cable size for circuit length and acceptable signal loss; test continuity, polarity and audio operation without hum or distortion.

6.2 Existing fire alarm devices

Carefully remove, label and protect existing detectors, hooters, response indicators, manual call points and other listed devices during ceiling work. Provide safe temporary support/arrangements as directed by the Bank's Fire Officer/Engineer and refix at the original or approved locations. Coordinate any isolation and restoration with the authorised fire-alarm maintenance team.

Preserve device addresses, loop wiring and compatibility with the existing panel. After refixing, test each affected device, alarm indication and associated cause-and-effect functions with the authorised team; record results and restore the system to normal service. This item covers existing-device handling and reinstatement, not a new fire-alarm system. Follow IS 2189 for selection, installation and maintenance checks, together with the existing system manufacturer's procedures.

6.3 Testing and handover

HVAC: inspect duct joints, supports and insulation; check leakage and rectify defects. Balance the distribution system against approved airflow values, to within ±5% of the approved values. Record outlet/branch airflows, damper settings and AHU trial-run results; report any existing-system limitation to the Bank's Engineer.

Electrical: verify protective-conductor continuity, insulation resistance, polarity, phase sequence, protective-device operation and RCCB tripping using appropriate instruments, with IEC 60364-6 as the verification reference. Disconnect/protect sensitive electronic equipment during insulation tests. Energise only after satisfactory inspection and approval. Use suitable installation test equipment conforming to the relevant parts of IEC 61557 and record measured values, circuit identification and pass/fail results.

Complete functional checks of lighting/dimming, telephone, LAN/CCTV cabling, PA speakers and reinstated fire-alarm devices. Submit as-built layouts, updated DB circuit schedules, cable/outlet identification, approved product data, available OEM manuals/warranties and signed test/commissioning reports. Clear debris and restore disturbed finishes.

6.4 Coordination and workmanship

Before procurement, submit coordinated duct/insulation details, cable schedules, DB arrangements, protection settings, luminaire controls and speaker circuit diagrams. Confirm interfaces with existing AHUs, UPS, PA and fire-alarm systems. Record departures from approved drawings and obtain written approval before execution.

Carry out electrical works through appropriately licensed personnel. Provide safe isolation, identification and lockout during alterations; verify absence of voltage before work. Keep access to isolation devices, dampers, drivers and junction boxes available for future maintenance. Protect existing finishes and occupied areas throughout the work.

7 Distribution boards

Provide company-manufactured, double-door, powder-coated sheet-metal DBs for the specified surface/recess mounting, complete with copper busbars, neutral and earth links, DIN rails, interconnections, blanking plates and circuit labels. Maintain separate neutrals downstream of each RCCB and separate UPS and raw-power circuits. Verify usable module space for all scheduled devices and spare ways before ordering. Provide shrouded live parts, durable circuit schedules and an enclosure IP classification to IEC 60529 appropriate to the location. Bond enclosure and doors; retain the assembly manufacturer's verified device combinations.

Board	Configuration and protective devices
Raw Power Main DB	6 way (4 + 18); 100 A 4P MCCB, 25 kA; two TP MCBs selected from 16/20/25/32 A and one TP MCB selected from 40/63 A.
UPS Supply DB	8 way (4 + 24), per-phase isolation; 63 A TPN MCB; three 63 A DP RCCBs, 100 mA; 24 SP MCBs selected from 6/10/16/20/25 A.
Raw Power PDB 1	6 way (4 + 18), per-phase isolation; 32 A TPN MCB; three 32 A DP RCCBs, 100 mA; 18 SP MCBs selected from 6/10/16/20/25/32 A.
Lighting LDB 1	6 way (4 + 18), per-phase isolation; 25 A TPN MCB, 10 kA; three 25 A DP RCCBs, 100 mA; 18 SP MCBs selected from 6/10/16/20/25 A.
Lighting ELDB 1	16 way SPN; 25 A DP MCB; one 25 A DP RCCB, 100 mA; 14 SP MCBs selected from 6/10/16/20/25 A.

Standards: IEC 61439-1 and IEC 61439-3 for assembly verification and distribution boards; IEC 60947-2 for MCCBs; IEC 60898-1 for MCBs; IEC 61008-1 for RCCBs. Select outgoing ratings, trip characteristics and unspecified breaking capacities against the approved circuit schedule and available fault level. Apply IEC 60364-4-41 for protection against electric shock and IEC 60364-4-43 for overcurrent protection. Confirm RCCB type and additional shock-protection requirements for socket circuits before procurement; the specified 100 mA devices shall not be treated as 30 mA additional protection.

Section -XI

a. LIST OF APPROVE MAKE FOR CIVIL AND INTERIOR WORKS

LIST OF APPROVED BRANDS, MAKES & AGENCIES FOR CIVIL/ INTERIOR WORKS		
1	Anti-termite treatment	Anglo Orient Insecticide Services, PCI OR Equiv. as approved by the Design Consultant.
2	Grade I - AAC Block	Ultratech, Magicrete or Equivalent as approved by the Design Consultant
3	Ready Mix Plaster	Ultratech, ACC or Equivalent as approved by the Design Consultant
4	Vitrified Tiles	LTC, RAK, Somany, Kajaria, Nitco, Johnson or Equivalent as approved by Design Consultant.
5	Glazed Tile (White or Coloured)	LTC, RAK, Somany, Kajaria, Nitco, Johnson or Equivalent as approved by Design Consultant.
6	Ceramic Tiles	LTC, RAK, Somany, Kajaria, Nitco, Johnson or Equivalent as approved by Design Consultant.
7	Stone floor (Marble)	CMC, Aakash, Stone source, Stone Casa, Nitco or Equivalent as approved by Design Consultant.
8	Engg. wooden / Solid wooden flooring	Ego, square foot, MR Carpets, or Equivalent as approved by Design Consultant.
9	Marble adhesive	RachTR, Keracol, Pidilite OR as approved by the design consultant.
10	Marble protective coat	RachTR, Proseal(Tenax) OR as approved by the Design consultant.
11	Gypsum False Ceiling	Saint Gobain, USG Boral or Equivalent as approved by Design Consultant.
12	Acoustic Ceiling (wooden finished)	EGO, Ecophon, Armstrong or Equivalent as approved by Design Consultant.

13	Plywood (MR / BWP) / block board & Flush doors, High Density ply product (as per approved ISI mark)	Greenply/Green - Commercial MR grade IS303, Century plywood, Merino - Commercial, Kutir ply. or Equivalent as approved by Design Consultant.
14	Laminates	Century, Merino, Greenlam, New Mica, Bloom or Equivalent as approved by Design Consultant.
15	Aluminium box sections	Jindal, Geeta aluminium OR Equivalent as approved by Design Consultant.
16	G.I. Studs	Saint Gobain, USG Boral or Equivalent as approved by Design Consultant.
17	Door Closer / Floor spring / Patch Fittings	Dorma, Ozone OR Hafele Equivalent as approved by Design Consultant.
18	Recon Veneer	Venzo, Green, Century or Equivalent as approved by Design Consultant.
19	Glass, Float Glass / Mirror	Saint Gobain, Asahi, Modi, Adaro, AIS or equivalent as approved by Design Consultant.
20	Fire rated Glass openable Door.	Saint Gobain- Vetrotech, or Equivalent as approved by Design Consultant.
21	Fire Rated Doors	Signature, Stairway studio, Envirotech, Navair or Equivalent as approved by Design Consultant.
22	Hardware	Haffele, DORMA, Ozone, Magnum,Yale or Equivalent as approved by Design Consultant.
23	Handle, Hinges, Tower	Haffele, DORMA, Ozone, Magnum or Equivalent as approved by Design Consultant.

	bolt, Aldrop, Stoppe, Locks	
24	Decorative Handles (Brass half round & vertical handles)	Golden Lock or Equivalent as approved by Design Consultant.
25	Wall Coverings/ Wall Papers	Arte, Marshalls, Boho, or Equivalent as approved by Design Consultant.
26	Veneer	VENZO or Equivalent as approved by Design Consultant.
27	Fabric	Pride, D' Decor, Nextgen or Equivalent as approved by Design Consultant.
28	Teakwood	Burma Teak, Indian Teak or Equivalent as approved by Design Consultant.
29	Engg wooden / Solid wooden flooring	Ego, square foot, MR Carpets, or Equivalent as approved by Design Consultant.
30	Blinds	NBT or as approved by Design Consultant.
31	Granite, Quartz & Laminam	CMC, Akash, Heritage, Stone casa or Equivalent as approved by Design Consultant.
32	Acoustic Veneer Ceiling	Ego, OR Equivalent as approved by Design Consultant.
33	Carpet	MR Carpet, Weavers or Equivalent as approved by Design Consultant.
34	Frosted film	3M, or Equivalent as approved by Design Consultant
35	Graphics	3M, or Equivalent as approved by Design Consultant.

36	Windows	Reynaers, Studio Mercury or equivalent as approved by Design Consultant
37	Perforated Acoustical Wall Panel	EGO, or Equivalent as approved by Design Consultant.
38	Rockwool, Mineral Wool	Roxul, Knauf, Rockwool India or Equivalent as approved by Design Consultant.
39	Toughened Glass	Saint Gobain, Asahi, Modi. AIS or equivalent as approved by Design Consultant.
40	14mm Thick 2 Hr Fire Rated Glass	Saint Gobain or Equivalent as approved by Design Consultant.
41	Paints & Melamine	Asian, Nerolac, Dulux, Jenson & Nicolson, Berger or Equivalent as approved by Design Consultant.
42	Acoustic partition	Saint Gobain / USG Boral/Indian Gypsum/Green Ply/Centry Ply
43	Solid acoustic doors	Doors: Stairway Studio / Signature Interiors / Envirotech, for Seals: Lorient / Raven, for Ply: Century Ply / Green ply
45	Pipe	Tata, Jindal (Hissar) or Equivalent as approved by Bank's Engineer.
46	Pipe fittings	Unik/ Jainsons or Equivalent as approved by Bank's Engineer.
47	Ball valves	Itap / Zoloto / RB or Equivalent as approved by Bank's Engineer.
48	cPVC pipes for water supply	Ashirwad/ Ajay / Astral or Equivalent as approved by Bank's Engineer.

49	Sanitary ware and CP fittings	Kohler/ Hindware/ Jaquar or Equivalent as approved by Bank's Engineer.
50	Toilet's accessories	Dolphy/ Jaquar or Equivalent as approved by Bank's Engineer.
51	Show Shining Machine	Dolphy/euronics or Equivalent as approved by Bank's Engineer.
52	Sofa/ chairs	of standard such as Godrej/ Durian/ Featherlite or approved equivalent

Note:

Wherever applicable only I.S.I. approved 1st class materials are to be used. In other cases where I.S.I. specifications / certifications are not available the superior range quality materials are to be used and all the products get approved by the Design Consultant.

The contractors shall distinctly understand that it will not be their prerogative to insist on a particular brand from the list. Final selection will be done with the approval of the Design Consultant.

Unless otherwise mentioned any one of the approved makes or brands shall be allowed to be used. Other specified ISI mark may be allowed to be used if approved by the Design Consultant.

Wherever applicable only I.S.I. approved 1st class materials are to be used. In other cases where I.S.I. specifications / certifications are not available the superior range quality materials are to be used and all the products get approved by the Banks Engineer.

The contractors shall distinctly understand that it will not be their prerogative to insist on a particular brand from the list. Final selection will be done with the approval of the Banks Engineer.

Unless otherwise mentioned any one of the approved makes or brands shall be allowed to be used. Other specified ISI mark may be allowed to be used if approved by the Banks Engineer.

b. LIST OF APPROVED MAKES FOR HVAC AND ELECTRICAL WORKS

The Contractor shall have to obtain Consultant's approval of all makes of equipment and technical selection prior to ordering and installation. List of makes agreed during Tender negotiations supersedes all mentioned makes provided they meet specifications and are approved by consultants.

Material or equipment	Proposed makes	Approval condition
Copper wires and LV cables	Polycab; KEI; RR Kabel; Finolex; Havells	Exact IS 694/IS 7098 product; copper, FRLS and armour construction as approved.
DBs and MCBs RCCBs MCCBs	Schneider Electric; Siemens; Legrand; ABB; Havells	Factory OEM assembly; compatible devices; correct ratings and per-phase neutral arrangement.
Premium modular switches sockets plates	Legrand; Schneider Electric; Honeywell MK; Panasonic Anchor premium ranges; Havells premium ranges	Matching complete range; sample approval; applicable Indian socket certification.
Rigid PVC conduit and fittings	Precision; AKG; Supreme	Required MMS/HMS class and independently supported FRLS claim; applicable BIS licence.
Copper lugs and brass glands	Dowells; Jainson; Comet	Correct conductor class and cable diameter; metal/coating and crimp data.
GI raceways trays and junction boxes	Legrand; OBO Bettermann; Indiana Gratings; approved specialist fabricator	Exact BOQ dimensions/coating mandatory. Specialist fabricator requires drawings, sample and test records.

Material or equipment	Proposed makes	Approval condition
GI sheet for containment and ducts	Tata Steel; JSW Steel; SAIL	Mill certificate for galvanised sheet and specified thickness/coating; raw-material approval is not fabricator approval.
Professional LED downlights and strip systems	Signify Philips; Wipro Lighting; Havells; Trilux India	Exact BOQ dimensions, optics, colour and control compatibility; premium professional range.
Architectural magnetic track system	Wipro; Signify Philips; iGuzzini; ERCO	Only an exact compliant integrated track/spot/control system qualifies; brand listing is conditional, not model confirmation.
LED drivers and dimming components	Luminaire OEM matched system; Tridonic; Signify Philips; Inventronics	Voltage/current and dimming protocol compatibility; driver replacement permitted only with luminaire OEM approval.
Telephone cable	Finolex; Polycab; Delton	Compatible conductor size, pair construction and termination.
Category 6 cable and jacks	CommScope SYSTIMAX; Panduit; Legrand; D-Link	Coordinated certified Category 6 link; solid copper cable; no CCA.
Ceiling PA speakers	Existing compatible OEM; Bosch; Honeywell; TOA	Existing line voltage, system capacity and evacuation requirements govern selection.
Speaker cable	Polycab; RR Kabel; Finolex	Confirmed core/pair construction, conductor area and fire performance.
PVC-coated flexible metallic conduit	Precision; Atkore Flexion; approved specialist OEM	25 mm nominal size; matching connectors and intact coating.

Material or equipment	Proposed makes	Approval condition
Fire alarm devices and spares if authorised	Existing installed fire alarm system OEM only	Relocation item does not authorise a new brand or supply of new devices.
Factory GSS duct fabrication	ZECO; Ductofab; approved specialist duct manufacturer	Shop capability and exact GSS construction must be demonstrated; pre-insulated panel ducts are not a substitute.
Closed-cell elastomeric duct insulation	Armacell ArmaFlex; K-FLEX	Exact 13 mm foil-faced system and approved core material; thermal/vapour/fire reports.
Grilles diffusers and VCDs	Caryaire; Ravistar; Air Master	Certified selection data and approved profile/finish/damper arrangement.
Sealants gaskets and insulation adhesive	Duct/insulation OEM approved system; suitable 3M or Sika products where documented	Application compatibility and fire/smoke data; do not approve a whole chemical range by brand alone.
Existing AHU servicing	Existing AHU OEM or Bank-approved competent HVAC service agency	Labour only. Replacement parts/consumables supplied separately by client.

Annexure – I

FORMAT FOR POWER OF ATTORNEY FOR SIGNING OF PROPOSAL

(On Non-Judicial Stamp Paper of appropriate value)

Know all men by these presents, 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 **"Name of work "** including signing and submission of all documents, deputing persons in pre-bid meeting and providing information / responses to 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.

Note:

Power of Attorney should be properly stamped and notarized Power of Attorney furnished shall be irrevocable.

Signature/(s) of the Bidder Name/(s)

Stamp/Seal of the Bidder

(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 II

Important Instructions Regarding E-tender

This is an e-procurement event of RBI. The e- procurement Service Provider/Bidder is the Central Public Procurement Portal(CPPP).
https://etenders.gov.in/eprocure/app

Process of E-tender : Bidder manual kit is available on home page.

A) Registration for new bidder: The process involves vendor's registration with CPP portal which is free of cost.
https://etenders.gov.in/eprocure/app?page=BiddersManualKit&service=page

For any technical related queries please call at 24 x 7 Help Desk Number

0120-4001 002

0120-4001 005

0120- 4493395

International Bidders are requested to prefix +91 as country code

EMail Support:
For any Issues or Clarifications relating to the published tenders, bidders are requested to contact the respective Tender Inviting Authority

Technical - support-eproc@nic.in

Policy Related - cppp-doe@nic.in

Annexure-III

Detail of participating firm/bidder on firm's letterhead

1.	Bidder Name	
2.	Status of Firm	Proprietorship Firm/Partnership firm/ Limited/Others If Others Specify:_____ [Enclose certificate of Registration]
3.	Name of Proprietor/Partners/Directors of the firm/company	
4.	Number of Years in Operation	
5.	Address of Registered Office:	
6.	Address of manufacturing plant	
7.	Bidder's address where order/contract is to be placed	
8.	Telephone Number of address where order is to be placed Website & Email ID	_____ (Country Code) (Area Code) (Telephone No.) _____
9.	PAN No.	_____ [Also, Enclose copy of PAN Card]
10.	GST No. (refer sl. no. 8 above)	_____ [Also, Enclose copy of GST Certificate]
11.	EPF Registration No.	_____ [Also, Enclose copy of EPF Registration Certificate]

12.	ESI code No.	_____ [Also, Enclose copy of relevant document]
13.	Whether Micro / Small / Medium Enterprise	(Bidder to submit documents as specified it ITB)
14.	**Banker Detail (The account for receiving payment)** [Also, Enclose copy of cancelled Cheque]	
I.	Banker's Name	
II.	Branch	
III.	Bank account number	
IV.	IFSC	
15.	**Detail of Service Setup**	
I.	Address	
II.	Email	
III.	Telephone/Mobile No	
IV.	No of person stationed	

Place: **[Signature of Authorized Signatory of Bidder]**
Date: **Name:**
Designation:
Seal:

Annexure – IV

List of Clients on firm's letterhead

As per eligibility criteria details of qualifying works

		For work experience(Work to be completed before 7 years)	**Minimum value of each completed work (Work to be completed within 7 years)**		
		Client	**Client 1**	**Client 2**	**Client 3**
1	**Description of the work**				
2	**Detail of client address , telephone number & contact person & email**				
3	**Work order/Letter of award detail (Enclosed)**				
4	**Value of the work**				
5	**Date of start of work**				
6.	**Date of finish of work**				
7.	**Completion period as per work order**				
8.	**Whether works completed in time or not (No of days of delay)**				
9.	**Whether works are under Comprehensive Annual Maintenance Contract (CAMC)**				

Place: **[Signature of Authorized Signatory of Bidder]**
Date: **Name:**
Designation:
Seal:

Annexure V

On the Letter Head of Bank

Please always quote in your correspondence

Ref. No. _____ Date: _____

To,
General manager (O-I-C),
Raipur Regional office,
Reserve Bank of India, sector 24,
Atal Nagar, Naya Raipur 492101

Dear Sir,

Name of Work: _____

Banker's Certificate

We confirm that M/s. _____ are banking with us. They may be considered financially sound for entrusting with any contract to ₹ .

2. Other particulars are given below for your perusal and record:

Sr. No.	Particulars	Comments of the Bank
1	Composition of the firm (Whether partnership / proprietorship /Public Ltd.)	…….
2	Names of the proprietor/ partners / Directors of the firm	
3	Credit facility / overdraft facility enjoyed by them	
4	Dealings	
5	The period from which the firm has been banking with your Bank	
6	Any other remarks	

3. This certificate is issued without any Guarantee or responsibility on the bank or any of its officers.

Yours faithfully,

Seal of the Bank

(Signature)
Authorized Signatory
For the Bank

Annexure – VI

PROFORMA OF BANK GUARANTEE FOR EARNEST MONEY DEPOSIT

(On Non-Judicial Stamp Paper of appropriate value)

To,
General manager (O-I-C),
Raipur Regional office,
Reserve Bank of India, sector 24,
Atal Nagar, Naya Raipur 492101

Dear Sir,

Name of Work ……

Ref.: NIT/Advt.No. date

WHEREAS The Reserve Bank of India, having its Central Office at Shahid Bhagat Singh Road, Mumbai (hereinafter called the 'RBI') has invited tenders for the captioned work (hereinafter called "the said tender") on the terms and conditions mentioned in the said tender documents. It is one of the terms of invitation of tenders that the bidder shall furnish a Bank Guarantee for a sum of Rs. (Rupees only) as Earnest Money Deposit (EMD). M/s. (Name of the Bidder/Bidder) _____, (hereinafter called as "the Bidder/ Bidder"), who are our Clients/Constituents intend to submit their tender/ Bid for the said work and have requested us to furnish Bank Guarantee to RBI in respect of the said sum of Rs. (Rupees only) in respect of EMD. 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 Bidder have not performed their obligations under the said conditions of the tender or have committed a breach thereof, which conclusion shall be binding on us as well as the said Bidder; we shall on demand by the RBI, pay without demur to the RBI, a sum of Rs. (Rupees only) or any lower amount that may be demanded by the RBI. Our guarantee shall be treated as equivalent to the Earnest Money Deposit for the due performance of the obligations of the Bidder under the said Conditions, provided, however, that our liability against such sum shall not exceed the sum of Rs. (Rupees only).

2. We also agree to undertake to and confirm that the sum not exceeding Rs. (Rupees 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. 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 Bidder. 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 tender and/or hereunder or granting of any time or showing of any indulgence by the RBI to the Bidder 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 Bidders of their obligations and in the event of their failure to do so, by payment by us of the sum not exceeding Rs. (Rupees only).

b) Our liability under these presents shall not exceed the sum of Rs. (Rupees only).

c) Our liability under this agreement shall not be affected by any infirmity or irregularity on the part of our said constituents/clients in tendering for the said work or their obligations there under or by dissolution or change in the constitution of our said constituents.

d) This guarantee shall remain in force upto (six months from the last date of receipt of tender) 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.

Yours faithfully,

For and on behalf of Bank.

Authorised Official (with seal)

(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 VII

Deviation in Techno- Commercial Conditions (on firms letter head)

We confirm that all commercial condition /technical specification of the Bank except for deviations listed below.

Sr. No.	Section No.	Clause No.	Deviation proposed Commercial condition
Sr. No.	**Section No.**	**Clause No.**	**Deviation proposed technical specification**

(Submit nil if there is no deviation)

Place: [Signature of Authorized Signatory of Bidder]
Date: Name:
Designation:
Seal:

Annexure VIII

Format of Article of Agreement /Contract Agreement

(for successful bidder)

(On non-judicial stamp paper of appropriate value as per the applicable Stamp Act)

THIS CONTRACT AGREEMENT is made the_____ day of_____, 2026 between the Reserve Bank of India Raipur, body corporate constituted under the Reserve bank of India, Act 1934, having its registered office at: Central Office Building, Shahid Bhagat Singh Road, Mumbai – 400 001 (hereafter called "The Bank") represented by ……..which expression shall include its successors and assigns of the one part and _____ _____incorporated under _____and having its registered office at _____ (thereinafter called "the Contractor")) which expression shall include its successors, legal representatives and assigns of the other part.

WHEREAS the Bank desires to engage the Contractor to **Interior Renovation of B block 1st floor in Regional Office Building Including Civil, MEP, HVAC, Electrical, and Allied Works at Reserve Bank of India (RBI), Raipur** and the Contractor has agreed to such engagement upon and subject to the terms and conditions hereinafter appearing.

AND WHEREAS the Bank had called for tenders from eligible contractors to provide services for providing "……." as has been indicated in the scope of work and other documents attached to the tender.

AND WHEREAS the Contractor and others submitted the tender and the Bank has awarded the contract, to provide …….." as stated in the scope of work attached to the Tender Document, to the Contractor.

AND WHEREAS the Contractor has agreed to execute the assigned work subject to the conditions set forth herein and to the conditions set forth in the Tender Documents (Part I, Part II, annexures and amendments thereof) as modified and finally accepted by both the parties (all of which are collectively hereinafter referred to as "the said Conditions") the works described in terms and conditions and included in the detailed scope of work as stated in the Tender Documents (Part I, Part II, annexures and amended thereof) at the respective rates therein set forth, amounting to the sum as therein arrived at or such other sum as shall become payable there under (hereinafter referred to as "the said Contract Amount").

NOW IT IS HEREBY AGREED AS FOLLOWS:	
1	**Contract Agreement:** The following documents shall constitute the Contract between the Bank and the Contractor, and each shall be read and construed as an integral part of the Contract: a) This Contract Agreement and the Appendices hereto b) Letter of Award . Ref. No c) Minutes of pre-bid meeting

	d) All emails and letters exchange during the tendering process e) Part I (Techno commercial bid) and Part II (Price bid) Bid submitted by the bidder f) Notice Inviting Tender (NIT), along with any corrigenda/addenda.
2	**Contract Price:** The Bank hereby agrees to pay to the Bidder the Contract Price in consideration of the performance by the Bidder of its obligations hereunder. The Contract Price shall be the aggregate of ₹_____, _____(in words)_____, or such other sums as may be determined in accordance with the terms and conditions of the Contract.
3	**Earnest Money Deposit**: Contractor has deposited an Earnest Money Deposit (EMD) equal to ₹ _____along with the tender document in the form of NEFT in favour of Reserve Bank of India, Raipur in the A/c No: _____ transaction remarks. No interest will be payable on the EMD. The Earnest money paid by the Contractor will be released after submission of Security deposit in the form of Performance Bank Guarantee.
4	**Performance Bank Guarantee (PBG):** The Contractor shall deposit PBG @5 **%**of the contract amount in favour of Reserve Bank of India, Raipur, within 14 days of the award of contract. The PBG shall be valid for a period of (work completion time + DLP +60) days beyond the date of termination of contract. No interest will be paid on it. The PBG deposited by the Contractor shall be liable to be forfeited or appropriated in the event of unsatisfactory performance of the Contractor and / or loss/ damage if any sustained by the Bank on account of failure or negligence of the workers deployed by him or in the event of breach of the terms and conditions of the agreement. However, the issue of letter of acceptance/ work order by the Bank shall be construed as a binding contract, as though such an agreement has been executed and all the terms and conditions shall apply on this contract. Submission of PBG shall be ensured as stipulated in the tender. In case of delay in submission in unavoidable circumstances, charges for delay in submission of PBG shall be recovered from the bills of the contractor at Bank rate. The Contractor shall also submit Performance Bank Guarantee in case the contract is extended and the PBG shall be valid for a period of _____ days beyond the date of termination of the renewed contract.
5	Payment Terms: Payment shall be made by the Bank to the Contractor as per the provisions of Part I of the tender. The Contractor shall ensure that wages & allowances paid to the his workers are in compliance with Government wage regulations. Proof of paying minimum wages shall be submitted by the Contractor to the Bank. The percentage of wage increase shall be given as per percentage revision of wages by the Government. The workmen should be paid minimum wages under the Minimum Wages Act, 1948 & rules made thereunder or under any other applicable law. Besides, the workmen should be given Employees Provident Fund as per Employees Provident Funds & Miscellaneous Provisions Act, 1952 and / or dividends as per Payment of Bonus Act, 1965 and ESI under ESI Act, 1948 as applicable. In the absence of ESI, the contractor should undertake the liability under the coverage of Insurance such

	as Workmen's Compensation Insurance under Employees Compensation Act, 1923. The Workmen Compensation policies shall be valid till the validity of contract with the Bank. If the contractor does not provide these policies, the Bank reserves the right to take the above insurance policies themselves and recover the cost thereof from the bill of the contractor. The total premium shall be borne by the contractor. The contractor shall have a valid EPF Account for making EPF Contribution for its workmen. In case of any complaint regarding non-compliance of any statutory payments; the same shall be deducted from the bill without prejudice to the Bank's right to terminate the contract. The Contractor shall abide by all the statutory provisions of the Labour Codes, shall not engage a person below the age of 18 years. Contractor shall be responsible for implementing the requirements of the applicable laws. The Contractor shall ensure timely payment of wages/salary within five (05) days of subsequent month to the persons employed for the purpose of this agreement (through cheque or by crediting to the bank account) and a certificate to the effect that the salaries/wages are being paid regularly shall be furnished to the bank every monthPayment shall be made by the Bank to the Bidder as per the provisions of Part I of the tender.
6	**Insurance:** The contractor shall, at his own expense, effect and maintain with effect from the date of commencement till issue of the completion certificate under this contract, with an approved insurance company, an All Risks Policy for insurance for an amount equal to the amount of the contract including earthquake risk in the joint names of the Bank and the contractor (the name of the former being placed first in the policy) against all risks as per the standard all risk policy for contractors and deposit such policy or policies with the Bank before commencing the works. The Contractor shall be held to be reasonably liable for all injury to persons, animals or things, and for all structural and decorative damage to property which may arise from the operation or neglect of the Contractor or its workers or of any nominated Sub-Contractor or any employee or either, whether such injury or damage arises from carelessness, accident or any other cause whatever, in any way connected with the carrying out of this Contract. The liability under this clause shall be held to include inter alia, any damage to Building, whether immediately adjacent or otherwise, and any damage to roads, streets, footpaths, bridges or ways as well as all damage caused to the Building and other structures and works forming the subject matter of this Contract. The contractor shall also be responsible for any damage caused to the Building and other structures and works forming the subject matter of this Contract by frost, rain, wind or other inclemency of weather. The Contractor shall indemnify and keep indemnified the Bank and hold him harmless in respect of all and any loss and expenses arising from any such injury or damage to persons or property as aforesaid and also against any claim made in respect of injury or damage, whether under any Statute

	or otherwise and also in respect of any award of compensation or damages consequent upon such claim. The Contractor shall reinstate all damage of every sort mentioned in this Clause, so as to do delivery of the whole of the Contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damage to the property of third parties. The Contractor shall also indemnify and keep indemnified the Bank against all claims which may be made against the Bank by any person/ member of the public or other **third party** in respect of anything which may arise in respect of the works or in consequence thereof and **shall at his own expense arrange to effect and maintain, with effect from the date of commencement until the completion of the Contract, with an approved Insurance company a policy of Insurance in the joint names of the Bank and the Contractor(the name of the former being placed first in the policy) against such risks and deposit such Policy or Policies with the Bank before commencement of the work**. The minimum limit of coverage under the policy shall be as defined elsewhere under General Condition of Contract. The Contractor shall also similarly indemnify the Bank against all claims which may be made upon the Bank whether under the **Workmen Compensation Act** or any other statute in force during the currency of this contract or at Common Law in respect of any employee of the Contractor or any Sub-Contractor and **shall at his own expenses effect and maintain, with effect from the date of commencement until the completion of the Contract, with an approved Insurance company a policy of Insurance in the joint names of the Bank and the Contractor(the name of the former being placed first in the policy) against such risks and deposit such Policy or Policies with the Bank from time to time during the currency of the Contract**. In default of the contractor ensuring as provided above, the Bank may so ensure and may deduct the premiums paid from any money due or which may become due to the contractor. The Contractor shall be responsible for any liability which may be excluded from the Insurance Policies above referred to and also for all other damages to any person, animal or property arising out of and incidental to the negligent or defective carrying out of this Contract, whatever may be the reasons due to which the damage shall have been caused. He shall also indemnify and keep indemnified the Bank in respect of all and any costs, charges or expenses arising out of any claim or proceedings relating to the works and also in respect of any award of compensation or damages, arising therefrom. Without prejudice to the other rights of the Bank against contractor in respect of such default, the Bank shall be entitled to deduct from any sums payable to the Contractor the amount of any damage, compensation, costs, charges and other expenses paid by the Bank and which are payable by the contractor under this clause. The contractor shall upon settlement by the insurer of any claim made against the insurer pursuant to a policy taken under this clause proceed with due diligence to rebuild or repair the works destroyed or damaged. In this event all the money received

	from the insurer in respect of such damage shall be paid to the contractor and the contractor shall not be entitled to any further payments in respect of the expenditure incurred for Building or repairing of the materials or goods destroyed or damaged. The contractor, in case of re-Building or reinstatement after damage shall be entitled to such extension of time for completion as the Bank may deem fit, but shall, however, not be entitled to reimbursement by the Bank of any shortfall or deficiency in the amount finally paid by the insurer in settlement of any claim arising as set out herein. Without prejudice to his liability under this clause, the contractor shall also cause all nominated sub-contractors to effect, for their respective portions of works similar policies of insurance in accordance with the provisions of this clause and shall produce or cause to produce to the Bank such policies. The contractor shall not permit a nominated sub-contractor to commence work at site unless said insurance policies are submitted. In the event of failure of the sub-contractor to take out such policy or policies of insurance before commencing the works at site, the contractor shall be responsible for any claim or damage attributable to the said sub-contractor. In order to fulfil all the insurance-related conditions mentioned above, the contractor shall, within 14 days from the date of issue of the work order, insure the works at his cost and keep them insure until the virtual completion of works, against loss or damage by fire with an office in the joint names of the Bank and the contractor (the name of the Bank i.e. "RESERVE BANK OF INDIA" being placed first in the policy). It shall cover the following risks. i. **Contractors all risk (CAR) policy** insurance inclusive of Storage, erection, testing and commissioning policy for the full contract value including fire risk and Transit insurance for transportation from manufacturer's works to site (by Air/Sea/Road etc. as applicable. ii. **Workmen compensation policy** for the employees of the contractor at site. iii. **Third party liability policy** with a limit of Rs 2 lakh per accident maximum upto 3 accidents.
7	**Time of Completion:** The completion period of the project shall be reckoned from the 14th day of issuance of Letter of Award/Work Order. Time shall be considered the essence of this Contract, and the Contractor hereby agrees to commence the work immediately after the site is handed over to him to complete the entire work as provided in the said conditions, subject nevertheless to the provisions for extension of time.
8	**Appendices**: The Appendices listed in the attached list of Appendices shall form an integral part of this Contract Agreement. Reference in the Contract to any Appendix shall mean the Appendix attached hereto, and the Contract shall be read and construed accordingly.

9	**Jurisdiction**: All disputes arising out of or in any way connected with this Agreement shall be deemed to have arisen at Raipur and only Courts in Raipur shall have jurisdiction to determine the same
10	**Language**: The Tender form shall be filled in English or in Hindi In the event of any discrepancy or ambiguity between the English and Hindi version of the documents, the English version shall prevail in matters of interpretation. All communications, drawings, designs, data, information, codes, specifications, and other documents supporting the bid or otherwise exchanged under the Contract shall be in English or in Hindi.
11	**Non-disclosure:** i. 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 Service Provider and /or the DB Developer during the course of discharging their 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 comply with applicable laws. The contractor shall not publish, permit to be published, or disclose any particulars of the services/works in any trade or technical paper or elsewhere without the previous written consent of the Second Party. Failure to observe the above shall be treated as breach of contract on the part of the contractor, as the case may be, and the Second Party shall be entitled to claim damages and pursue legal remedies. ii. The contractor shall take all appropriate action with respect to its employees to ensure that the obligations of non-disclosure of confidential information under this agreement are fully satisfied. iii. Without prejudice to the formal Contract Agreement, all confidentiality and non-disclosure obligations binding the Contractor under this tender shall survive the expiration, completion, or termination of this Agreement for any reason whatsoever.
12	PREVENTION OF SEXUAL HARASSMENT AT WORKPLACE i. The Contractor 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 own employee within the premises of the Bank, the complaint will be filed before the Internal Complaints Committee constituted by the Contractor who shall ensure appropriate action under the said Act in respect to the complaint. ii. 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.

	iii. 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 monetary relief to the Bank's employee, if sexual violence by the employee of the Contractor is proved. The Contractor shall be responsible for educating its employees about prevention of sexual harassment at workplace and related issues.
13	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 or 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 and 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 has abandoned the Contract, or 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 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 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

	has neglected or failed persistently to observe and perform all or any of the acts, matters or things by the 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 Estate or the adjoining lands or roads, and use the same as his own property or may employ the same by means of his own 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 shall not in any way interrupt or do any act, matter or thing to prevent or hinder such other 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 fourteen 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 realised. The Bank shall thereafter ascertain and certify 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 be so certified 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.
14	Termination of Contract by Contractor If payment of the amount payable by the Bank under certificate of the Bank's Engineer 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 19 of section IV.
15	**Penalty**

	If the Contractor fails to maintain the required progress of the works and fails to complete the works by the stipulated completion time, the Contractor shall pay the Bank a sum towards "**Liquidated Damages**" **@ 0.25% of the contract value** per week of delay subject to a maximum of 10% of the contract value (contract value means the total value of capital cost of work) for the period during which the said works shall so remain incomplete and the Bank may deduct such damages from any moneys due to the Contractor.

IN WITNESS WHERE OF the Bank and the Bidder/Bidder have caused this Agreement to be duly executed by their duly authorized representatives the day and year first above written.

Signed by for and on behalf of the Bank
[Signature]
[Name & Title]
In the presence of:

1. [Witness 1 Signature & Details]
2. [Witness 2 Signature & Details]

Signed for and on behalf of the Bidder
[Signature]
[Name & Title]
In the presence of:

1. [Witness 1 Signature & Details]
2. [Witness 2 Signature & Details]

Annexure – IX

Proforma Of Bank Guarantee For Performance Security Deposit/ Retention Money

(On Non-Judicial Stamp Paper of appropriate value purchased in the name of the issuing bank)

Place : _____
Date : _____

To,
General manager (O-I-C),
Raipur Regional office,
Reserve Bank of India, sector 24,
Atal Nagar, Naya Raipur 492101

Dear Sir,
Name of work: _____ - Bank Guarantee For PERFORMANCE SECURITY DEPOSIT/ Retention Money
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 Bidder) (hereinafter called " the said Bidder" which expression shall include its successors and assigns). AND Whereas the Bidder is bound by the said Contract to submit to RBI a Performance Security for a total amount of ₹._____ (Rupees___ _____ only) (Amount in figures and words) for the due fulfilment by the said bidder 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 bidder, do hereby undertake to pay to the RBI an amount not exceeding Rs _____ as Performance Guarantee for due fulfilment 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 Bidder 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 bidder; we shall on demand by the RBI, pay without demur to the RBI, a sum of Rs. (Rupees 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 Bidder under the said Contract, provided, however, that our liability against such sum shall not exceed the sum of Rs. (Rupees only).
2. We also agree to undertake to and confirm that the sum not exceeding Rs. (Rupees _____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 Bidder 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 Bidder.

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 Bidder 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 Bidder of their obligations and in the event of their failure to do so, by payment by us of the sum not exceeding Rs. (Rupees only).
b) Our liability under these presents shall not exceed the sum of Rs. (Rupees 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 upto (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 X

Proforma for Undertaking / Declaration / Certificate by the Bidder regarding country sharing land border with India

(To be submitted by bidders on their letter head duly sealed and signed by the authorized signatory)

To,
General manager (O-I-C),
Raipur Regional office,
Reserve Bank of India, sector 24,

Atal Nagar, Naya Raipur 492101

Ref: Application for _____

Madam,

I / We ……. (Name and address, including Country of location of bidder) have read and understood the contents of the Office Memorandum (OM) F. No. 6/18/2019-PPD dated July 23, 2020 and its subsequent orders / revision issued by Public Procurement Division, Department of Expenditure, Ministry of Finance, Government of India regarding the restrictions on procurement from a bidder of a country which shares a land border with India.

2 I / We certify that …… (Name of the bidder)

2.1 is not from a country sharing land border with India, or
2.2 is from a country sharing land border with India and has been registered with the Competent Authority, the certificate of which is enclosed, or
2.3 is from a country sharing land border with India where Government of India has extended lines of credit, or
2.4 is from a country sharing land border with India where Government of India is engaged in development projects.

(Strikeout whichever of the above is not applicable).

3 I /We further certify that ……. (Name of bidder) fulfils all requirements in this regard and is eligible to be considered under the provision of the above referred Office Memorandum and its subsequent orders / revision. I/We also undertake that even in case of contracts where we are permitted by the Bank/RBI to sub- contract I/we ……..……(Name of bidder) will not sub-contract any work to a bidder from country(ies) sharing land border with India, unless such bidder fulfils all the requirements contained in the above referred office memorandum / order.

4. I/We know and understand that, if this Undertaking / Declaration / Certificate submitted by us is found to be false, the Bank shall be free to reject / terminate our tender / Work Order and that the Bank shall also be free to initiate any legal action in accordance with law

including forfeiting of Earnest Money Deposit / Performance Bank Guarantee / Security Deposit and / or debarring us from participating in tenders invited by the Bank in future.

Signature and name of the authorized signatory of the Bidder with Rubber Stamp

Date:

Place:

Annexure XI

Undertaking on Legal Actions / Civil Lawsuits / Litigation / Arbitration by the Bidder
[On the Letter head of the Applicant]

Date:

To,
General manager (O-I-C),
Raipur Regional office,
Reserve Bank of India, sector 24,
Atal Nagar, Naya Raipur 492101

Ref: Application for _____

Madam,
1 I/We …… (Name of the bidder) declare that no legal action(s) have been
/ is being taken against us for any cause in any legal jurisdiction.

1. I/We …… (Name of the bidder) declare that the followings legal action(s) have been/ is being taken against us:

…… (detail of the legal action, project under consideration, legal authority involved etc.) …..

…….

However, we affirm that the above legal action does not affect our ability to deliver the requirements of the Bank as per the Application for Empanelment.

(Note: strike out one of the above two declarations which is not applicable)

2. Further, we ……. also declare that no cases of civil lawsuits / litigation / arbitration etc. have been initiated in any in any of our executed projects

2. Further, we ……. also declare that the following civil lawsuits / litigation / arbitration cases were/are initiated in our executed projects:
……. (detail of the project and type of action etc.) .....
……
(Note: strike out one of the above two declarations which is not applicable)

Signature and name of the authorized signatory of the Bidder
with Rubber Stamp

Date:

Place:

Annexure XII

Undertaking to be included in tender regarding declaration of debarment by public institution(s):

(To be submitted by the tenderer on their letterhead)

Name of Work:……

1. I/We ……. (Name of the bidder) 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 bid).
   b) I/ We or any of our allied firm* have not made any transgression in respect of the code of integrity (as mentioned in the tender) with any public institution / entity in India or any other country in last three years as on ……...(last date of submission of bid).
   c) I/we or any of our allied firm* is/ are not debarred by any procuring entity for violation of Public Procurement (Make in India) Order, 2017as on last date of submission of the bid.)
   d) 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 any other country on or before award of work for the captioned work.
2. I/We ……..(Name of the bidder) declares that I/we or our allied firm* ……(Name of the allied firm(s)) is/ are debarred / suspended / blacklisted by ……..(Name and address of public institution in India or any other country) and the same effective upto …….(date). A copy of such letter is attached for your information and record.

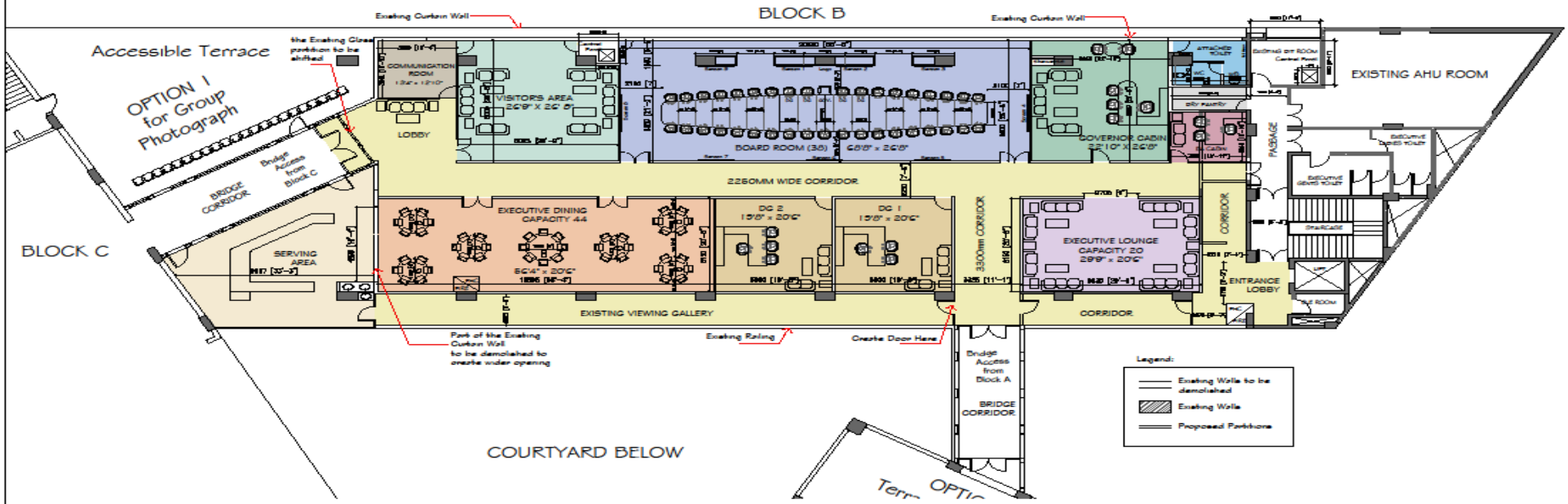
(seal and signature of the bidder)
Date
Place
(Note: strike out one of the above two declarations which is not applicable)

*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.

DRAWINGS and LAYOUT

LEGEND :

CODE	REQUIREMENTS	COUNT	SIZE	AREA (sq.ft.)
	BOARD ROOM	01	68'8" x 26'8"	1800
	GOVERNOR CABIN	01	22'10" x 26'8"	605
	DG CABIN	02	19'8" x 20'6"	400
	EA CABIN	01	12'11" x 10'10"	135
	EXECUTIVE LOUNGE	01	29'9" x 20'6"	605
	EXECUTIVE DINING	01	56'4" x 20'6"	1150
	VISITOR'S AREA	01	26'9" x 26'8"	700
	COMMUNICATION ROOM	01	13'4" x 12'10"	170
	CORRIDOR	-	-	2730
			TOTAL	8295



DRAWING TITLE :	SUBTITLE :									
PROPOSED EXECUTIVE LAYOUT ON FIRST FLOOR, MOB, RAIPUR	FURNITURE AND DIMENSION LAYOUT all dimensions are in mm & ft.	REVISION 4 :	R4	August 2026	SCALE	NTS	SIZE	A3	NORTH	भारतीय रिज़र्व बैंक RESERVE BANK OF INDIA PREMISES DEPARTMENT, CO, MUMBAI	DRG NO.
		REVISION 3 :	R3	January 2026	DEALT BY	Ar.Snehal	DATE	13.08.2026			
		REVISION 2 :	R2	January 2026			REVISION	R4			
		REVISION 1 :	R1	Feb 2024							
		ORIGINATED DATE :	R0	April 2023							

This drawing is the copyright of the Bank and might used or reproduced only with prior permission.

END OF DOCUMENT