



वेब सूचना

भारतीय रिज़र्व बैंक के दीघा स्टाफ क्वार्टर्स, पटना में ग्रेड 'ए' हेतु 73 फ्लैटों का निर्माण करने के लिए श्रेणी III के 146 फ्लैटों का विलय

क्षेत्रीय निदेशक, भारतीय रिज़र्व बैंक, दक्षिण गांधी मैदान, पटना - 800001 द्वारा निम्नलिखित कार्य के लिए दोहरी बोली प्रणाली के तहत पात्र ठेकेदारों से **एमएसटीसी पोर्टल के माध्यम से ई-निविदाएं** आमंत्रित की जाती हैं :

क्र.सं.	मद	ब्यौरा
1	ई-निविदा सं.	आरबीआई/पटना क्षेत्रीय कार्यालय/संपदा/11/25-26/ET/420
2	निविदा आमंत्रित करने वाले प्राधिकारी का विवरण	क्षेत्रीय निदेशक भारतीय रिज़र्व बैंक संपदा विभाग दक्षिण गांधी मैदान, पटना – 800 001 दूरभाष संख्या: (0612) 2323712 ईमेल आईडी: estatepatna@rbi.org.in
3	कार्य का नाम	दीघा स्थित रिज़र्व बैंक स्टाफ क्वार्टर्स में ग्रेड 'ए' अधिकारियों हेतु 73 फ्लैटों के निर्माण के लिए मौजूदा 146 फ्लैटों के विलय का कार्य - सिविल और इलेक्ट्रिकल
4	स्थान	दीघा स्टाफ क्वार्टर्स, बीएस कॉलेज के पास, नासरीगंज, दीघा, पटना – 800012
5	निविदा का तरीका	ई-निविदा (ऑनलाइन भाग I - तकनीकी-वाणिज्यिक बोली और भाग II - मूल्य बोली)। निविदा प्रक्रिया केवल एमएसटीसी लिमिटेड (https://www.mstcecommerce.com) के ई-टेंडरिंग पोर्टल के माध्यम से की जाएगी। निविदा प्रक्रिया में भाग लेने के लिए सभी पात्र बोलीदाता उपर्युक्त वेबसाइट के माध्यम से एमएसटीसी लिमिटेड के साथ स्वयं को पंजीकृत करेंगे।



6	अनुमानित लागत	₹16,40,15,431/- (सिविल कार्य ₹14,48,80,259/- + विद्युत कार्य ₹1,91,35,172/-)
7	पक्षकारों हेतु डाउनलोड करने के लिए उपलब्ध एनआईटी की तिथि	दिनांक 22 अगस्त 2025 को अपराह्न 07:30 बजे से
8	बोली पूर्व बैठक	दिनांक 28 अगस्त 2025 को पूर्वाह्न 11:00 बजे से प्लैट नंबर 75-76, ब्लॉक-जे, दीघा स्टाफ क्वार्टर, बीएस कॉलेज के पास, नासरीगंज, दीघा, पटना – 800012 में। निर्धारित तिथि और स्थान पर आयोजित बोली पूर्व बैठक में भाग लेना अनिवार्य है।
9	बयाना जमा-राशि (ईएमडी)	@कार्य की अनुमानित लागत का 2% अर्थात् ₹ 32,81,000/-
10	ईएमडी जमा करने की अंतिम तिथि	दिनांक 11 सितंबर 2025 को अपराह्न 02:00 बजे
11	एमएसटीसी लिमिटेड (https://www.mstcecommerce.com) के पोर्टल पर ऑनलाइन तकनीकी - वाणिज्यिक बोली और मूल्य बोली प्रस्तुत करने के लिए ई-निविदा शुरू करने की तिथि	दिनांक 22 अगस्त 2025 को अपराह्न 07:30 बजे से
12	तकनीकी-वाणिज्यिक बोली और मूल्य बोली जमा करने के लिए ऑनलाइन ई-निविदा के समापन की तिथि	दिनांक 11 सितंबर 2025 को अपराह्न 02:00 बजे
13	भाग-I बोली अर्थात् तकनीकी-वाणिज्यिक बोली खोलने की तारीख और समय	दिनांक 11 सितंबर 2025 को अपराह्न 3.00 बजे
14	भाग-II खोलने की तिथि (मूल्य-बोली)	निविदा के भाग-II (मूल्य बोली) को बाद की तारीख/उसी तारीख को खोला जाएगा, जिसके बारे में बोलीदाताओं को पूर्व सूचना दी जाएगी।
15	निविदा की वैधता	भाग-I (तकनीकी-वाणिज्यिक बोली) खोलने की तारीख से छह माह



16	लेनदेन शुल्क	एमएसटीसी पोर्टल में उल्लिखित लेनदेन शुल्क का भुगतान एमएसटीसी भुगतान गेटवे/एनईएफटी/आरटीजीएस के माध्यम से केवल एमएसटीसी लिमिटेड के पक्ष में
17	पात्र बोलीदाता/ठेकेदार	इस विशिष्ट कार्य के लिए केवल भारतीय रिज़र्व बैंक पटना के साथ सूचीबद्ध ठेकेदार/विक्रेता

निविदा प्रपत्र और न्यूनतम पात्रता एवं मूल्यांकन मानदंड सहित अन्य विवरण बैंक की वेबसाइट <https://www.rbi.org.in> या एमएसटीसी पोर्टल <https://www.mstcecommerce.com> से प्राप्त किए जा सकते हैं:

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

टिप्पणी: निविदा के संबंध में भविष्य में जारी कोई संशोधन/शुद्धिपत्र, यदि कोई हो, केवल भारतीय रिज़र्व बैंक की वेबसाइट पर अधिसूचित किया जाएगा, और इसे समाचारपत्र में प्रकाशित नहीं किया जाएगा।

क्षेत्रीय निदेशक
भारतीय रिज़र्व बैंक
पटना



Reserve Bank of India
भारतीय रिज़र्व बैंक

Estate Department
संपदा विभाग
Patna / पटना

e-TENDER FOR

**Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers
at Reserve Bank Staff Quarter at Digha – Civil and Electrical.**

Part I

{Containing Section I to Section IX}

Name of Bidder _____

Address _____

Date of Pre-Bid meeting Offline at 11:00 AM on August 28, 2025

Due Date and time of Submission of e-Tender 02:00 PM of September 11, 2025



RESERVE BANK OF INDIA
NOTICE INVITING E-TENDER: WEB NOTICE

The Regional Director, Reserve Bank of India, South Gandhi Maidan, Patna – 800 001 invites **e-tenders through MSTC portal** from eligible contractors in two bid system for the following work:

S. No.	Item	Details
1	e-Tender No.	RBI/Patna Regional Office/Estate/11/25-26/ET/420
2	Name of work	Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical
3	Mode of tender	e- Tender (Online Part I – Techno-Commercial Bid and Part II – Price Bid). The tendering process will be done only through the e-Tendering portal of MSTC Ltd. (https://www.mstcecommerce.com). All eligible bidders shall register themselves with MSTC Ltd. through the above-mentioned website to participate in the tendering process.
4	Estimated cost	₹ 16,40,15,431 (Civil Work ₹ 14,48,80,259/- + Electrical Work ₹ 1,91,35,172/-)
5	Earnest Money Deposit (EMD)	@ 2% of estimated cost of the work i.e. ₹ 32,81,000/-
6	Period of completion	365 Calendar days from 14th day of work award letter/ work order issued
7	Date of NIT available to parties to download	06:00 PM of August 22, 2025 onwards
8	Pre-Bid meeting	On August 28, 2025 at 11.AM at Flat No. 75-76, Block – J, Digha Staff Quarters, Near B.S. College, Nasriganj, Digha, Patna – 800012. <u>It is mandatory to attend the pre-bid meeting at scheduled date and place.</u>



The tender forms and other details including minimum eligibility and evaluation criteria can be obtained from the Bank's websites <https://www.rbi.org.in> or MSTC Portal: <https://www.mstcecommerce.com>

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

The Regional Director
Reserve Bank of India
Patna



SCHEDULE OF e-TENDER

Sl.No	Item	Details
1	e-Tender No.	RBI/Patna Regional Office/Estate/11/25-26/ET/420
2	Tender Inviting Authority	Regional Director Reserve Bank of India Estate Department South Gandhi Maidan, Patna – 800 001 Tel No.: (0612) 2323712 Email id: estatepatna@rbi.org.in
3	Name of work	Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical
4	Location	Digha Staff Quarters, Near BS College, Nasriganj, Digha, Patna – 800012
5	Mode of tender	e- Tender (Online Part I – Techno-Commercial Bid and Part II – Price Bid). The tendering process will be done only through the e-Tendering portal of MSTC Ltd (https://www.mstcecommerce.com). All eligible bidders shall register themselves with MSTC Ltd, through the above-mentioned website to participate in the tendering process.
6	Estimated cost	₹16,40,15,431/- (Civil Work ₹ 14,48,80,259/- + Electrical Work ₹ 1,91,35,172/-)
7	Date of NIT available to parties to download	06:00 PM of 22.08.2025 onwards
8	Pre-Bid meeting	On August 28, 2025 at 11:00AM at Flat No. 75-76, Block – J, Digha Staff Quarters, Near B.S. College, Nasriganj, Digha, Patna – 800012. <u>It is mandatory to attend the pre-bid meeting at scheduled date and place.</u>



9	Earnest Money Deposit (EMD)	@ 2% of estimated cost of the work i.e. ₹ 32,81,000/-
10	Last date of submission of EMD	02.00 PM of September 11, 2025
11	Date of Starting of e - Tender for submission of online Techno - Commercial Bid and price Bid at portal of MSTC Ltd (https://www.mstcecommerce.com).	06.00 PM of August 22, 2025
12	Date of closing of online e-tender for submission of techno-commercial bid & price bid	02.00 PM of September 11, 2025
13	Date and time of opening of Part I bid i.e., Techno-commercial bid	03.00 PM of September 11, 2025
14	Date of opening of Part-II (Price- Bid)	Part II (Price Bid) of the tender shall be opened on a later date/ same date with prior intimation to bidders.
15	Validity of the tender	Six months from the date of opening of Part I (Techno-commercial bid)
16	Transaction Fee	Payment of Transaction Fee as mentioned in the MSTC portal through MSTC payment gateway / NEFT / RTGS in favour of MSTC Limited only.
17	Eligible Bidders/Contractors	Only Contractors/Vendors empanelled with RBI Patna for this specific work



Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical.

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SECTION - I

Form of Tender

Place:

Date:

Regional Director
Reserve Bank of India
Patna-800001

Dear Sir,

Having read and examined the Notice Inviting e-Tender, Specifications, Drawings, designs, schedule of quantities, various schedules, General conditions of contract and clauses, Special conditions of contract, General rules and instructions to bidders and all other contents in the tender document for the work specified in the memorandum hereinafter set out and having examined the site of the works and having acquired the requisite information relating thereto as affecting the tender, I/We hereby offer to execute the works specified in the said memorandum within the time specified in the said memorandum at the rates mentioned in the attached schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Conditions of Contract, the Articles of Agreement, Special Instructions, Schedule of Quantities and Special Conditions of Contract and with such materials as are provided for, by and in all other respects in accordance with such conditions so far as they may be applicable.

Memorandum

(a)	Description of work	Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical
(b)	Estimated cost (₹)	As specified in Schedule 'E' of the Tender
(c)	Earnest Money (₹.)	As specified in Schedule 'E' of the Tender
(d)	Performance Guarantee	Bank Guarantee from any Scheduled Bank for an amount equal to 5% of the Contract Amount
(e)	Percentage, if any, to be deducted from each bill	5% of each RA bill & final bill in lieu of RMD
(f)	Time allowed for completion of the work	As specified in Schedule 'E' of the Tender

2. We agree to keep the tender open for the validity period specified in Schedule 'E' of the tender and not to make any modification in its terms and conditions during the validity period or any other extended period as agreed mutually.
3. A sum of ₹ 32,81,000/- only is hereby forwarded/uploaded in the form as specified in Schedule 'E' of the tender document as Earnest Money. If I/We, fail



to furnish the Prescribed Performance guarantee within the prescribed period, I/We agree that the Reserve Bank of India or its successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that Reserve Bank of India or its successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said Performance Guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender document upon the terms and conditions contained therein. In case of non-submission of EMD till submission date, the bid will be considered as non-bonafied and hence, the price bid of that particular bid will not be opened.

4. Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred from participation in the re-tendering process of the work.
5. I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Reserve Bank of India, then I/We shall be debarred from tendering in Reserve Bank of India in future. Also, if such a violation comes to the notice of Reserve Bank of India before date of start of work, the Bank's Engineer shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.
6. I/We hereby declare that I/We shall treat the tender documents, drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the Reserve Bank of India.
7. Should this tender be accepted, I/We hereby agree to abide by and fulfill the terms and provisions of the said Conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit and pay to the Reserve Bank of India the amount mentioned in the said conditions.

8. Our bankers are (Name and full address)

(i)	
(ii)	

The names of partners, if applicable, of our firm are:

(i)	
(ii)	



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

Yours faithfully,

Signature of Contractor with seal

Signatures and addresses of witnesses

	Signature	Address
(i)		
(ii)		



Section II

1. SCOPE OF WORK

1.1 Description of Work:

Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical.

- 1.2 The scope of proposed renovation work shall be as per the layout plans/drawings schedule of quantities and specifications given in this tender document. Some of the major head of items of works covered are listed below (in brief):

A) RENOVATION-CIVIL WORKS

- (I) Dismantling Work
- (II) Brick and AAC block Masonry
- (III) Reinforcement
- (IV) Plain Concrete, RCC, Plastering and POP work
- (V) Structural Repair works
- (VI) Waterproofing work
- (VII) Flooring and skirting
- (VIII) Modular wood work for Almirah and kitchen
- (IX) Painting and polishing works
- (X) Dado tile, Granite, CPVC Pipe etc.
- (XI) Plumbing and sanitary works including fittings and fixtures

(B) RENOVATION-ELECTRICAL and Allied WORKS

- (I) Dismantling works (related to Electrical works/ AC).
- (II) Circuit wiring for Light fan switch board
- (III) Light /fan/bell point/exhaust fan point wiring
- (IV) Cable TV point, Telephone
- (V) Internet point
- (VI) Metal body EXHAUST fan(400-450mm) with metal gravity louvers
- (VII) Lighting installation work
- (VIII) Meter Panel work etc.

*Rebate for salvage/scrap value of dismantled materials should be mentioned wherever applicable

Note: In case of item differences between Scope of work and BOQ, the work will be executed as per quantity mentioned in BOQ.



1.3) It is not the intent to specify completely herein all details of design and renovation of the works covered under this enquiry. Scope of work may also include such other related works as indicated in the drawings and /or schedule of quantities although they may not be specifically mentioned in the above paragraphs and all such incidental items of works not specified but reasonably implied and necessary for completion of the job as a whole, as directed by the Bank's Engineer and as directed hereunder. All works shall conform in all respects to high standards of engineering, design and workmanship and shall, fulfill the anticipated performance during the CONTRACTOR's guarantee period in a manner acceptable to the Bank as specified hereunder.

1.4) Various works covered in this specification shall include furnishing of all materials, labour, tools, plants and equipment, transportation, fabrication, supervision and construction as per schedule of quantities, technical specifications, drawings/plans, etc. as provided herein and as directed by the Bank's Engineer.

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

Place-

Signature of bidder-

Date -



Section III General Rules and Instructions to the Bidders

i).	<p>Bids in Two bid system</p> <p>The tender in two parts (Part I comprising of duly filled tender part I, EMD Receipt/ Screenshot, technical bid/details, literature etc. and Part II comprising of duly filled-in tender part II) should be submitted online as e-Tender using digital signature not later than the date and time of submission of tender/bid on line (as specified in schedule 'E'). Tender inviting authority and Name of work, office are specified in schedule 'E'. No tender will be accepted after the specified date and time for submission of tender under any circumstances whatsoever.</p> <p>Bids shall be submitted online only and those received in physical form, by telegram or telex and those received late will not be entertained</p>	
ii).	<p>The eligible bidders are advised to follow the important instructions of e-Tender specified in Schedule 'H' and must have valid class III / applicable digital signature to submit the bid.</p>	
iii)	<p>Documents Comprising Tender/ Bid</p>	
	<p>Part I: (Techno-Commercial Bid)</p>	
	a)	Form of Tender/Bid
	b)	e-tender transaction fee shall be paid as specified in schedule 'E'
	c)	Earnest Money Deposit (EMD)/Bid Security in approved format as specified in schedule E.
	d)	Power of Attorney (as per Proforma annexed hereto) in favour of person signing the Bid
	e)	Duly filled-in and digitally signed / signed tender document consisting of:
	i)	Entire Tender Document Section I to Section IX
	ii)	EMD Receipt
	<p>Part II: (Price Bid)</p>	
	<p>Schedule of Quantities, duly filled-in online through MSTC portal only</p>	
iv)	<p>Clarifications and pre-bid meeting</p> <p>If the bidder shall have any doubt as to the meaning of any portion general rules and instructions to bidders, general conditions, or the special conditions or the scope of the work or the specifications and drawings or any other matter concerning the work, he shall in good time, before the scheduled date of Pre-bid meeting, put forth the particulars thereof and submit them to the RBI, in writing, addressed to the Tender Inviting Authority, specified in Schedule 'E' in order that such doubts may be clarified authoritatively during Pre-bid meeting and shall be conveyed to all the bidders in due course. Once a tender is submitted, the matter will be decided according to tender conditions in the absence of such authentic pre-clarification.</p>	



	<p>In order to explain the scope of work, other details and to clarify any issues/ queries raised by the bidders, a Pre-bid meeting shall be arranged on the date, time and venue specified in Schedule 'E'. The bidders are advised to peruse the tender and visit the site and submit any matter requiring clarification to the RBI latest by 5:00 PM on the previous working day of Pre Bid meeting. In case the bidder wishes to include any condition while tendering for the work, he will have to submit the same before the pre-bid meeting to enable the RBI to examine/ consider the same. RBI's decision in the matter shall be conveyed to all the bidders after pre-bid meeting but before the scheduled date of submission of the tenders. All the bidders are advised to attend the Pre-bid meeting mandatorily. Any tender received with any deviation/ Condition is liable for rejection.</p>	
v)	Amendment to Tender document	
	a)	At any time prior to the deadline for the submission of tender/bids, RBI may, for any reason, whether at its own initiative or in response to a clarification or query raised by a prospective Bidder, modify any part of the tender document by an amendment and will be uploaded on website. No separate press advertisement shall be issued for any corrigendum/addendum.
	b)	The said amendment in the form of the addendum/ corrigendum will be made available on website of RBI to all the prospective bidders to whom the tender documents issued online and this communication will be in writing and same shall be binding on the bidders. The prospective bidders should promptly acknowledge receipt of the addendum/corrigendum by fax/courier/e-mail to RBI. The addendum (s), if any, issued will form part of the contract document.
	c)	In order to afford prospective Bidders reasonable time for preparing their Bids after taking into account such amendments, the RBI may, at its discretion, extend the deadline for submission of Bids.
vi)	Item Rate Tender	
	<p>The Bidder should note that unless otherwise stated, the tender is strictly on item rates basis and his attention is drawn to the fact that rates for each and every item should be correct, workable and self-supporting. The quantities in the Schedule of Quantities approximately indicate the total extent of work, but may vary to any extent and may even be omitted thus altering the aggregate value of the Contract. Rates quoted shall remain firm for a variation of plus (+) or minus (-) 25% of the specified quantities of each item in the Schedule of Quantity.</p>	
vii)	Preparation of bid and Cost of bidding	
	a)	The bidder must obtain for himself on his own responsibility and at his own expenses all the information which may be necessary for the purpose of making a tender and for entering into a contract and must examine the drawings and must inspect the site of the work and acquaint himself with all local conditions, means of access to the work, nature of the work and all matters pertaining thereto.
	b)	The Contractor shall be deemed to have carefully examined the work and site conditions including labour, the general and special conditions, the specifications, schedules and drawings and shall be deemed to have visited the site of work, to have fully informed himself regarding the local conditions and carried out his own investigations to arrive at the rates quoted in the tender. In this regard, he will be given necessary information available with the RBI but without any guarantee about its sufficiency and accuracy.
viii)	Format to be used	



	The bidder must fill up and submit only the tender forms/formats issued (online) by the RBI, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, including conditional rebates, will be liable for rejection.	
ix)	Filling of Rates	
	a)	Rates should be quoted for each item of work both in figures and words in columns specified in the Schedule of Quantity. Care shall be taken to avoid discrepancy in the rate given in figures and words. The amount for each item should be worked out and requisite totals should be given in the specified column (In case of discrepancies amount in words shall prevail).
	b)	In the event, no rate has been quoted for any item(s), leaving space both in figure(s), word(s) and amount blank, the tender shall be considered incomplete and may not be considered.
	c)	No advice of any change in rate or conditions after the opening of the tender will be entertained.
x)	Earnest Money Deposit (EMD)/ Bid security	
	a)	The bidders are required to submit Earnest Money Deposit (EMD)/ Bid Security for an amount and in the manner as specified in Schedule 'E'.
	b)	A tender, which is not accompanied by EMD, will not be considered. It will be considered non bonafied. The Earnest Money will be refunded to the bidder if his tender is not accepted but without any interest.
	c)	The Earnest Money Deposit paid by the successful bidder will be released after award of work on submission of Performance Bank Guarantee. No interest shall be paid on the said deposit.
	d)	Forfeiture of EMD: The EMD will be forfeited (i) if the vendor / contractor withdraws bid after opening of the Price Bid or (ii) if the vendor / contractor fails to commence the work after award within the prescribed time limit (iii) Violation of Integrity Pact
xi)	Signing of Bid, Power of Attorney	
	a)	Each of the tender documents should be digitally signed as per instruction of e-tender specified in Schedule 'H' hereto by the person or persons submitting the tender in token of his/their acquainted himself/themselves with the General Rules and Instructions to bidders including prequalification criteria, General Conditions of Contract, Specifications, Special Conditions and other terms and conditions etc. as laid down.
	b)	The tender submitted online on behalf of a firm must be digitally signed / signed as per instructions of e-tender specified in Schedule 'H', it must be digitally signed / signed on his behalf by a person holding a power-of attorney authorizing him to do so, such power of attorney to be uploaded along with the tender, or it must be digitally signed by a partner who has the necessary authority on behalf of the firm to enter into the proposed contract and it must disclose that the firm is duly registered under the Indian Partnership Act, 1952. Otherwise the tender may be rejected by RBI. In case of company, a copy of resolution passed in the meeting authorizing POA.



	c)	Bidders shall submit online along with Part-I of the tender, a power of attorney, on a stamp paper of appropriate value and duly notarized, in favour of the person digitally signing / signed the Bid documents authorizing him to sign the Bid documents, make corrections/ modifications thereto and interacting with Reserve Bank of India and act as the contact person. The proforma of the power of attorney shall be as annexed hereto.
xii)	Modification / substitution / Withdrawal of Bids	
	a)	No modification or substitution of the submitted Bid shall be allowed after the due date and time of submission of the tender.
	b)	A Bidder may withdraw its submitted Bid, provided that written notice of the withdrawal is received by RBI before the last date for submission of Bids. In case a Bidder wants to resubmit his Bid, he shall submit within the due date a fresh Bid following all the applicable conditions.
	c)	Only a single copy of the withdrawal notice shall be prepared and each page of the notice shall be signed and stamped by the authorized signatory. The notice shall be duly marked "WITHDRAWAL"
xiii)	Bid Due Date	
	Bids should be submitted online as specified in instructions to e-Tender on or before the stipulated time and date as specified in Schedule 'E'.	
	Reserve Bank of India may, in exceptional circumstances, and at its sole discretion, extend the Bid due date.	
xiv)	Late bids	
	No bid will be received after the due date/last date and time specified for submission of bids in schedule 'E' or after the extended Bid due date. If any.	
xv)	Opening of Bids	
	Duly filled tender Part I, accompanied by EMD, technical details, if any, literature etc., called Part I of the tender, will be opened on e-Tender mode on the time and date, as specified in Schedule 'E', at his office, by the tender inviting authority, as specified in Schedule 'E' or his authorized representative in the presence of authorized representatives of the bidders who choose to be present.	
	Duly filled-in tender-Part II will be opened on the time and date, as specified in Schedule 'E', at his office, by the tender inviting authority, as specified in Schedule 'E' in presence of the authorized representatives of the qualified bidders.	
xvi)	Bid Validity	
	Tenders shall remain open to acceptance by the RBI for a period as specified in Schedule 'E' from the date of opening of the Part-I of the tender which period may be extended by mutual agreement and the bidder shall not cancel or withdraw the tender during this period.	
	The EMD submitted in the form of Bank Guarantee shall also be extended by the Bidder accordingly.	
xvii)	Clarification & Evaluation of Bids	
	RBI would subsequently examine and evaluate bids as below:	



	a)	After verification of the correctness/legality and adequacy of the information and supporting documents furnished, Price Bids of only those Bidders who are technically qualified as per part I of tender shall be opened.
	b)	Rates quoted for each item shall be considered during verification/ scrutiny.
	c)	If the rates written in figures and in words do not tally, then the rates quoted by the contractor in words shall be taken as correct.
	d)	Where the rates quoted by the contractor in figures and in words tally, but the amount is not worked out correctly, the rates quoted by the contractor will be taken as correct and the amount will be worked out accordingly.
	e)	To assist in the examination, evaluation and comparison of the bid, RBI may ask Bidders individually for clarifications. The request for clarification and the response shall be in writing. No change in the price or substance of the Bid shall be sought, offered or permitted except as required to during the evaluation of Bids in accordance with tender clauses.
	f)	In the case of any tender where unit rate of any item/items appears unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.
	g)	In case the lowest tendered amount (worked out on the basis of quoted rate of Individual items) of two or more bidders is same, then such lowest bidders may be asked to submit a revised offer quoting percentage discount on their already quoted tendered amount which shall be applicable on all tender items except buy-back amount. The lowest tender shall be decided on the basis of revised offer. Further, if any such lowest bidder does not revise his bid on lower side, his original bid shall remain valid for further processing.
	h)	If the revised tendered amount (worked out on the basis of quoted rate of individual items) of two or more bidders received in revised offer is again found to be equal, then the RBI shall decide future course of action which shall be final and binding on all the bidders.
xviii)	Acceptance of Tender and Award of Work	
	On receipt of intimation from the RBI of the acceptance of his/their tender, the successful bidder shall be bound to implement the contract and within fourteen days from the date of issue of work order thereof, the successful bidder shall sign an agreement in accordance with the draft articles of agreement. Further, the written acceptance by the Reserve Bank of India of a tender will constitute a binding contract between the Reserve Bank of India and the person so tendering, whether such formal agreement is or is not executed subsequently.	
xix)	Performance Bank Guarantee	



	<p>The Contractor whose tender is accepted will be required to furnish performance Bank Guarantee equal to 5% of the contract amount within the period specified in Schedule 'F'. The PBG shall be initially valid till the date of scheduled completion of work plus three months. In case of delays in submission of unavoidable circumstances, charge for delay in submission of Performance Bank Guarantee shall be recovered from the bills of the contractor at Bank rate. This Guarantee shall be from any Scheduled Bank as per the approved proforma annexed hereto. In case the time for completion of work gets extended, the contractor shall get the validity of Performance Bank Guarantee extended to cover such extended time for completion of work.</p>	
xx)	Retention Money/ Security Deposit	
	a)	In addition to the Performance Bank Guarantee under para xix above, as further security for the due fulfillment of the contract by the Contractor, 5% of the value of the work done will be deducted by the RBI from each payment to be made to the Contractor towards Retention Money. This total amount (Performance Bank Guarantee + Retention Money) will be termed as Security Deposit. Earnest Money Deposit (EMD) will be released after award of work and on submission of Performance Bank Guarantee (PBG). After recording of the Virtual Completion Certificate for the work by the Engineer-in-charge, the Performance Bank Guarantee shall be returned to the contractor and the remaining Security Deposit shall be released after rectification of the defects pointed out during the Defects Liability Period. The amounts retained by the RBI shall not bear any interest.
	b)	All compensation or other sums of money payable by the Contractor to the Employer under the terms of this Contract may be deducted from the Security Deposit if the amount so permits and the Contractor shall, unless such deposit has become otherwise payable, within ten days after such deduction make good in cash the amount so deducted.
	c)	The Security Deposit of the successful bidder will be forfeited if he fails to comply with any of the conditions of the Contract.
xxi)	Taxes/ Duties/ Levies	
	a)	Goods and Service Tax (GST), purchase tax, turnover tax, Excise duty or any other tax applicable in respect of this contract shall be payable by the Contractor and RBI will not entertain any claim whatsoever in respect of the same. The quoted rates shall be inclusive of GST. The rates for each item in Part II (Price Bid) in MSTC Portal shall be quoted including GST and the total amount for all the items including the GST will be taken as the total Contract Value. Each invoice / bill shall indicate amongst other things, the contractor's PAN and GST Registration Number. Any change in GST on works contract will be adjusted. The contract value will also be subject to TDS / Withholding Tax as per statutes. While submitting the bill/ invoice for the work, the contractor shall clearly indicate the various components of GST involved in the work value.
xxii)	Time for Completion of Work	
	Time allowed for carrying out the work as mentioned in the Schedule 'E' shall be strictly observed by the Contractor and it shall be reckoned from the 14 th day from the date of the written work order.	
xxiii)	Work Programme	



	The work shall throughout the stipulated period of the contract be proceeded with all due diligence and if the Contractor fails to complete the work within the specified period, he shall be liable to pay compensation as defined in the relevant clause of the General Conditions of Contract. The bidder shall, before commencing work, prepare a detailed work programme, as specified in the General Conditions of Contract, which shall be approved by the Bank's Engineer.
xxiv)	Employer's right to accept or reject any or all the bids
	Notwithstanding anything mentioned above, RBI reserves the right to accept or reject any Bid at any time prior to award of contract without thereby incurring any liability to the affected Bidder or Bidders. The RBI/Employer shall not assign any reason for rejection of any or all Bids.

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

**Place
Date**

Signature of bidder



Terms of Payment:

The payment for the works to be executed under this contract shall be made as follows and no variation in the mode of payment will be acceptable to the Reserve Bank of India.

Payment will be made based on the submission of RA Bills (Total 06) as per milestone decided by the Bank. Milestone shall be followed in the following manner:

	Milestone Period	Amount	Cumulative %age
1 st	60 Days from award of the work excluding 14 days Period granted for execution of Agreement, submission of BG & Insurance and other documents.	5% of the contract value	5%
2 nd	60 days from the date of First milestone	5% of the contract value	10%
3 rd	60 days from the date of Second milestone	15% of the contract value	25%
4 th	60 days from the date of Third milestone	25% of the contract value	50%
5 th	60 days from the date of Fourth milestone	25 % of the contract value	75%
6 th	65 days from the date of Fifth	25 % of the contract value	100%



Section IV General Conditions of the Contract

Definitions	1.	The Contract means all the documents forming the tender and acceptance thereof together with any correspondence leading thereto and the formal agreement executed between the competent authority on behalf of the Employer and the Contractor, together with the documents referred to therein including the General Conditions, Special Conditions, General rules and instructions to bidders, the Technical specifications, designs, drawings, correspondences exchanged and instructions issued from time to time by the Engineer in- Charge. All these documents taken together, shall be deemed to form one contract and shall be complementary to one another.	
	2.	In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:-	
		i)	The expression works or work or Project shall, unless there be something either in the subject or context repugnant to such renovation /construction be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional, as defined in Schedule 'F'
		ii)	The Site shall mean the land/or other places on, into or through which work is to be executed under the contract including any building and erections thereon or any adjacent land, path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract, as defined in Schedule 'F'.
		iii)	Employer shall mean The Reserve Bank of India (as mentioned in schedule 'F') and shall include its assignees and successors
		iv)	RBI shall mean Reserve Bank of India, having its Regional Office at Patna.
		v)	Tender document shall mean document named as such issued/ uploaded by the Employer to the bidders for inviting Bids for the Project / work.
		vi)	Day shall mean Calendar day
		vii)	Working day shall mean the days when Employer's office is working i.e. Days excluding Public holidays, Saturdays and Sundays
		viii)	Month shall mean the calendar month.
		ix)	Year shall mean Calendar Year
		x)	Bidder (s) shall mean all parties participating in the bidding process pursuant to and in accordance with the terms of the Tender document.



		xi)	The Contractor shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assignees of such individual, firm or company.
		xii)	Sub-Contractor means the person or persons, firm or company engaged by the Contractor for executing any part or to whom any part thereof has been sub-let with the consent in writing of the Employer
		xiii)	The Bank's Engineer means the Engineer Officer employed and paid by the Employer and acting under the orders of the Employer who shall supervise and be in-charge of the work.
		xiv)	The Authorized representatives of Bank's Engineer/ (AGM(Tech)/Manager (Tech)/AM(Tech)) means the Engineer officers employed and paid by the Employer and acting under the orders of the Employer who shall supervise day to day execution of work under the direction and guidance of Bank's Engineer.
		xv)	Contract Price or Contract Amount shall mean the total amount as calculated from quoted unit rates by the successful bidder and quantities mentioned in the Schedule of quantities (Price Bid) and as accepted by the Employer and indicated in the letter of award of work.
		xvi)	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 Employer.
		xvii)	Contract Agreement shall mean the agreement signed between the Contractor and the Employer for the execution of the Project.
		xviii)	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 or registered office of the addressee and shall be deemed to have been received when in the ordinary course of post, it would have been delivered and/or sent. The communication delivered by any accepted electronic means shall also be deemed to be a written notice.
		xix)	Act of Insolvency shall mean any act of insolvency as defined by the Presidency Towns Insolvency Act, or the Provincial Insolvency Act or any Act amending such original.
		xx)	Manufacturer refers to a person or firm who is the producer and furnisher of the material or designer and fabricator of equipment
		xxi)	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".



		xxii)	Market Rate shall be the rate as decided by the Engineer-in Charge 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 Schedule 'F' to cover all overheads and profits.
		xxiii)	Net Rate/Price - If in arriving at the contract amount the Contractor shall have added to or deducted from the total of the items in the Tender any sum, either as a percentage or otherwise, then the net price of any item in tender shall be the sum arrived at by adding or deducting from the actual figure appearing in the Tender as the price of that item a similar percentage or determining the percentage or proportion of the sum so added or deducted by the contractor the total amount of any Prime Cost items and provisional sums of money shall be deducted from the total amount of the tender. The expression "net rates" or "net prices" when used with reference to the contract or accounts shall be held to mean rates or prices so arrived at.
Scope and performance	3.		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.
	4.		Headings and Marginal notes to these General Conditions of Contract shall be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.
	5.		The contractor shall be furnished, free of cost one certified copy of the contract documents except Indian standard specifications and such other printed and published documents, together with all drawings as may be forming part of the tender papers. None of these documents shall be used for any purpose other than that of this contract.



Works to be carried out	6.	<p>The work to be carried out under the Contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. 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, Schedule of Quantities and Specification taken together, whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred there from and if the Contractor finds any discrepancy in the drawings or amongst the drawings, Schedule of Quantities and Specifications, he shall immediately and in writing refer same to the Bank's Engineer who shall decide which is to be followed. The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labour necessary in and for the full and entire execution and completion of the work as aforesaid in accordance with good practice and recognized principles.</p> <p>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's Engineer. The Bank's Engineer may in his absolute discretion and from time to time issue further drawings and/or written instructions, detailed directions and</p>
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		<p>explanations which are hereafter collectively referred to as “Employer’s Instructions” in regard to:</p> <ol style="list-style-type: none"> The variation or modification of the design, quality or quantity of works or the addition or omission or substitution of any work. Any discrepancy in the drawings or amongst the Schedule of Quantities and/or drawings and/or specification. The removal from the site of any material brought thereon by the Contractor not fulfilling the tender specifications and the substitution of any other material therefor. The removal and/or re-execution of any material/works executed by the Contractor but not fulfilling the tender specifications. The dismissal from the works of any persons employed by the contractor thereupon. The opening up for inspection of any work covered up. The amending and making good of any defects noticed and reported during Defect Liability Period. <p>The Contractor shall forthwith comply with and duly execute any work comprised in such Employer’s instructions provided always that verbal instructions, directions and explanations given to the Contractor or his representatives upon the works by the Bank’s Engineer shall, if involving a variation, be confirmed in writing by the Contractor within seven days, and if the same is not approved/ disapproved by the Bank’s Engineer in writing within a further period of seven days, such shall be deemed to be Employer’s Instructions within the scope of the Contract.</p>
Sufficiency of Tender	7.	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 rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.
Discrepancies and Adjustment of Errors (order of preference)	8.	The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.
	8.1	In the case of discrepancy between the schedule of Quantities, the Specifications and/ or the Drawings, the following order of preference shall be observed: -
	i)	Description of Schedule of Quantities.
	ii)	Particular Specification and Special Condition, if any.
	iii)	Drawings.
	iv)	General Specifications.
	v)	Indian Standard Specifications of B.I.S
	8.2	If there are varying or conflicting provisions made in any one document forming part of the contract, the Competent Authority as defined in the schedule ‘F’ shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the Contractor



	8.3	If there is a discrepancy between actual scaled drawing and written dimension (or description) on a drawing, the latter shall be followed.	
	8.4	The Schedule of Quantities, unless otherwise stated shall be deemed to have been prepared in accordance with standard method of measurement. Any error in description or in quantity in Schedule of Quantities or any omission of items therefrom shall not vitiate the Contract but shall be rectified and the value thereof, as ascertained under clause 12 hereof shall be added to, or deducted from the Contract amount (as the case may be) provided that no rectification or errors, if any, shall be allowed in the contractor's Schedule of rates. The above discrepancies in Schedule of Quantities shall not release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.	
Signing of Contract	9.	The successful tenderer/contractor, on acceptance of his tender by the Employer, shall, within 14 days from the stipulated date of start of the work, sign the contract consisting of: -	
		i)	Articles of agreement on non-judicial stamp paper/s of appropriate values (The cost of the stamp paper/s shall be borne by the contractor. One Certified copy of the agreement will be handed over to the contractor by the Employer)
		ii)	The notice inviting tender, all the documents including drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
		No payment for the work done will be made unless contract is signed by the contractor.	



CLAUSES OF CONTRACT

	CLAUSE 1	
Performance Guarantee	i)	The contractor shall submit an irrevocable Performance Guarantee of 5% (Five percent) of the Contract amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in Schedule 'F' from the date of issue of letter of award. This period can be further extended by the Bank's Engineer up to a maximum period as specified in schedule 'F' on written request of the contractor stating the reason for delays in procuring the Performance Guarantee, to the satisfaction of the Bank's Engineer. This guarantee shall be issued by any Scheduled Bank in the approved proforma annexed hereto.
	ii)	The Performance Guarantee shall be initially valid up to the stipulated date of completion plus 3 months beyond that. In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such extended time for completion of work. After recording of the completion certificate for the work by the Bank's Engineer, the performance guarantee shall be returned to the contractor, without any interest.
	iii)	The Bank's Engineer shall not make a claim under the Performance Guarantee except for amounts to which the Employer is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of:
	a)	Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Bank's Engineer may claim the full amount of the Performance Guarantee.
	b)	Failure by the contractor to pay the Employer any amount due, either as agreed by the contractor or determined under any of the Clauses/Conditions of the agreement, within 30 days of the service of notice to this effect by Bank's Engineer.
	iv)	In the event of the contract being determined or rescinded under provision of any of the Clause/Condition of the agreement, the Performance Guarantee shall stand forfeited in full and shall be absolutely at the disposal of the Employer.
	CLAUSE 1 A	
Recovery of Security Deposit	i)	The Contractor shall permit Employer at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 5% of the gross amount of each running account and final bill till the sum deducted will amount to security deposit of 5% of the total value of the entire work done. Such deductions will be made and held by the Employer by way of Security Deposit till the successful completion of Defect Liability Period.



	ii)	All compensations or the other sums of money payable by the contractor under the terms of this contract may be deducted from his security deposit or from any sums which may be due to or may become due to the contractor by Employer on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions, the contractor shall within 10 days make good in cash any sum or sums which may have been deducted from his security deposit or any part thereof. The security deposit shall be collected from the running bills and the final bill of the contractor at the rates mentioned above.												
	CLAUSE 2													
Compensation for Delay		<p>If the contractor fails to maintain the required progress of the works by the completion time stipulated in the Contract or within any extended time under time extension clause and the employer certifies in writing that in her /his opinion the same reasonably to have been completed, the contractor shall pay the Bank the sum named as “liquidated Damages” for the period during which the said works so remain incomplete and the Employer may deduct such damages from any moneys due to the contractor. The project will have six milestones specified under “Terms of Payment” in this tender clearly indicating time and amount for achieving each milestone. In case, the contractor does not achieve a particular milestone(s) in terms of time extension clause, the amount to be calculated based on the targeted financial progress for the milestone and delay upto Running Account Bill under processing shall be withheld (as per method prescribed in tender herewith) to be adjusted against the liquidated damages levied at time of completion of the contract. Withholding of the payments on failure to achieve a milestone shall be automatic and without any notice to the contractor. However, if the Contractor catches up with the progress of work on the subsequent milestone(s), the withheld amount shall be released. In case the contractor fails to make up for the delay before the subsequent milestone(s), the amount mentioned against each missed milestone shall also be withheld. No interest whatsoever shall be paid by the Bank on such withheld amount /s. The delay period from the stipulated date of occurrence of milestone until the date when the milestone is actually achieved, however, the amount to be withhold from a R.A. bill before reaching to a particular milestone (s) shall be calculated for the delay until date R.A. bill. The application of liquidated damages shall not effect a change in the milestone or release the Contractor of her/his obligation to improve the progress of work. The contractor hereby specifically agrees and authorizes the Bank to deduct such liquidated damages, if any, from any installment of payment becoming due and payable to the contractor in terms of this contract or from the retention money.</p> <p>Specimen Method to work out amount to withhold</p> <p>Milestone Due date Milestone Target amount</p> <table border="1"> <thead> <tr> <th>Milestone</th><th>Due date</th><th>Milestone target amount</th></tr> </thead> <tbody> <tr> <td>Project start</td><td>D₀</td><td>0</td></tr> <tr> <td>1st</td><td>D₁</td><td>T₁</td></tr> <tr> <td>2nd</td><td>D₂</td><td>T₂</td></tr> </tbody> </table>	Milestone	Due date	Milestone target amount	Project start	D ₀	0	1 st	D ₁	T ₁	2 nd	D ₂	T ₂
Milestone	Due date	Milestone target amount												
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		<table> <tr> <td>$(N-X)_{th}$</td><td>$D_{(N-X)}$</td><td>$T_{(N-X)}$</td></tr> <tr> <td>$(N-X+1)_{th}$</td><td>$D_{(N-X+1)}$</td><td>$T_{(N-X+1)}$</td></tr> <tr> <td>$(N-X+2)_{th}$</td><td>$D_{(N-X+2)}$</td><td>$T_{(N-X+2)}$</td></tr> <tr> <td>$(N-1)_{th}$</td><td>$D_{(N-1)}$</td><td>$T_{(N-1)}$</td></tr> <tr> <td>N_{th}</td><td>$D_{(N)}$</td><td>$T_{(N)}$</td></tr> <tr> <td></td><td></td><td></td></tr> </table> <p>Say a RA bill received on $D_{(R)}$ is certified for gross amount of R where:</p> <ol style="list-style-type: none"> $T_{(N-X)} \leq R < T_{(N-X+1)}$ i.e. Progress reached upto $(N-X)_{th}$ milestone RA Bill date $D_{(R)}$ is after $D_{(N)}$ i.e. N_{th} milestone has become due as on RA bill date Say, the liquidated damages is 0.25% per week of delay. Withhold amount for not achieving N_{th} milestone $A_{(N)} = (0.0025/7) * (D_R - D_N) * (T_N - T_{(N-1)})$ where $T_{(N-1)}$ will be zero if N_{th} milestone is the first in the series of delayed milestones. <p>Note: in case the rate of recovery of LD is different than the 0.25% per week, the multiplying factor in the first term of the above formula will change accordingly.</p> <p>v. Gross Withhold amount for current RA bill: The withhold amount shall be calculated as follows:</p> <p>(a) Withhold amount for milestones achieved with delay till previous RA Bill = P</p> <p>(b) withhold amount for milestones achieved with delay during current RA bill = Q</p> <p>(c) withhold amount for milestone due but not achieved till current RA bill. = R</p> $P = A_{(1)} + A_{(2)} + \dots + A_{(N-X-1)}$ $Q = A_{(N-X)}$ $R = (0.0025/7) * ((D_R - D_{(N-X+1)}) * (T_{(N-X+1)} - T_{(N-X)}) + (D_R - D_{(N-X+2)}) * (T_{(N-X+2)} - T_{(N-X+1)}) + \dots + (D_R - D_N) * (T_N - T_{(N-1)}))$ <p>vi. The value of $A_{(N-X)}$ will freeze for all subsequent bills till the N_{th} milestone is achieved.</p> <p>Note:</p> <p>(i) The withhold amount against not achieving milestone would remain withhold unless a milestone due on the RA bill date is achieved.</p> <p>(ii) The withhold amount would be released in case of achieving all due milestones on the RA bill date.</p>	$(N-X)_{th}$	$D_{(N-X)}$	$T_{(N-X)}$	$(N-X+1)_{th}$	$D_{(N-X+1)}$	$T_{(N-X+1)}$	$(N-X+2)_{th}$	$D_{(N-X+2)}$	$T_{(N-X+2)}$	$(N-1)_{th}$	$D_{(N-1)}$	$T_{(N-1)}$	N_{th}	$D_{(N)}$	$T_{(N)}$			
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N_{th}	$D_{(N)}$	$T_{(N)}$																		



	i)	Compensation at the rate as specified in schedule 'F' per week of delay for delay of work to be computed on per day basis, provided, always, that the total amount of compensation for delay to be paid under this Condition shall not exceed 10% of the Contract Price of work or of the Contract price of the item or group of items of work for which a separate period of completion is originally given.
	ii)	The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with the Employer. In case, the contractor does not achieve a particular milestone mentioned in the "Terms of Payment", or the re-scheduled milestone(s) in terms of Clause 5.4, the amount shown against that milestone shall be withheld, to be adjusted against the compensation levied at the final grant of Extension of Time. With-holding of this amount on failure to achieve a milestone, shall be automatic without any notice to the contractor. However, if the contractor catches up with the progress of work on the subsequent milestone(s), the withheld amount shall be released. In case the contractor fails to make up for the delay in subsequent milestone(s), amount mentioned against each milestone missed subsequently also shall be withheld. However, no interest, whatsoever, shall be payable on such withheld amount.
	CLAUSE 3	
When Contract can be Determined		Subject to other provisions contained in this clause, the Bank's Engineer may, without prejudice to his any other rights or remedy against the contractor in respect of any delay, inferior workmanship, any claims for damages and/or any other provisions of this contract or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:
	i)	If the contractor has abandoned the contract
	ii)	If the contractor having been given by the Bank's Engineer a notice in writing to rectify, pull down, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or un-workman like manner shall omit to comply with the requirement of such notice for a period of seven days thereafter or has failed to remove the materials from the site within seven days of the written instructions of the Bank's Engineer that the same were condemned and rejected by him under these conditions .
	iii)	If the contractor has failed to commence the work or, without any lawful excuse under these conditions suspended the progress of the work for fourteen days after receiving notice from the Bank's Engineer to proceed or has failed to proceed with the work with due diligence so that in the opinion of the Bank's Engineer (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continues to do so after a notice in writing of seven days from the Bank's Engineer.



	iv)	If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Bank's Engineer.
	v)	If the contractor persistently neglects or fails to carry out his obligations under the contract and/ or commits default in complying with all or any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Bank's Engineer.
	vi)	If the contractor shall offer or give or agree to give to any person in Employer's service or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for Employer.
	vii)	If the contractor shall enter into a contract with Employer in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the Bank's Engineer.
	viii)	If the contractor had secured the contract with Employer as a result of wrong tendering or other non-bonafide methods of competitive tendering or commits breach of Integrity Agreement.
	ix)	If the contractor being an individual, or if a firm, any partner thereof commits an "Act of Insolvency" or shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall suffer execution or other process of court attaching property to be issued against the contractor or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors and shall be unable within seven days after notice to him requiring him to do so, to show to the reasonable satisfaction to the Engineer-in charge that he is able to carry out and fulfill the contract and to give security therefor, if so required by the Bank's Engineer.
	x)	If the contractor being a company shall pass an effective resolution for winding up voluntarily or shall have an order for compulsory winding up made against it or shall subject to the supervision of court and the official Assignee or the liquidator in such acts of insolvency or winding up, as the case may be, or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle



		the court or the creditor to appoint a receiver or a manager or which entitle the court to make a winding up order.
	xi)	If the contractor shall suffer any payment under this contract to be attached by or on behalf of any of the creditors or the contractor or shall charge or encumber this contract or any payments due or which may become due to the contractor hereunder
	xii)	If the contractor shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days.
	xiii)	<p>If the contractor assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer, sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Engineer -in-Charge.</p> <p>When the contractor has made himself liable for action under any of the cases aforesaid, the Bank's Engineer on behalf of the Employer shall have powers:</p>
	a)	To determine the contract, notwithstanding any previous waiver, after giving seven days' notice in writing to the Contractor, as aforesaid (of which termination notice in writing to the contractor under the hand of the Bank's Engineer shall be conclusive evidence). Upon such determination, the Security Deposit already recovered and Performance Guarantee under the contract shall be liable to be forfeited and shall be absolutely at the disposal of the Employer.
	b)	After giving notice to the contractor measure up the work of the contractor and to take such whole, or the balance or part thereof, as shall be un-executed out of his hands. The action will be without thereby affecting the powers of the Bank's Engineer or the obligations and liabilities of the Contractor, the whole of which shall continue in force as fully as if the Contract had not been so determined, and as if the work subsequently executed had been executed by or on behalf of the Contractor. And further, the Employer by his agents or servants may enter upon and take possession of the works and all plants, tools, scaffoldings, sheds, machinery steam and other power utensils and materials lying upon the premises or the adjoining lands or roads, and use the same as his own property or may employ the same by means of his 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,



		<p>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 Engineer-in- charge 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 Employer may sell the same by public auction, and give credit to the Contractor for the net amount realized. The Employer shall thereafter ascertain and certify in writing under his hand what (if anything) shall be due or payable to or by the Employer and expense or loss which the Employer 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 Employer to the Contractor or by the Contractor to the Employer, as the case may be, and the Certificate of the Bank's Engineer shall be final and conclusive between the parties. The contractor, whose contract is determined as above, shall not be allowed to participate in the tendering process for the balance work, if resorted to by the Employer.</p>
		<p>In the event of above courses being adopted by the Bank's Engineer, the contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provision aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this contract unless and until the Bank's Engineer has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.</p>
	<p>CLAUSE 3A</p>	
	a)	<p>In case, the work cannot be started due to reasons not within the control of the contractor within 1/8th of the stipulated time for completion of work or one month whichever is higher, either party may close the contract.</p>



	<p>b) If the payment of the amount payable by the Employer 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 Employer, or if the Employer interferes with or obstructs the issue of any such Certificate, or if the Employer shall repudiate the Contract, or if the works be stopped for three months under the order of the Bank's Engineer or the Employer or by any injunction or other order of any court of Law, then and in any of the cases the Contractor shall be at liberty to determine the Contract by notice in writing to the Employer, through the Bank's Engineer and he shall be entitled to recover from the Employer, 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 hereof.</p>
	<p>c) In case contractor wants to close the contract, he shall give notice to the Employer stating the failure on the part of Employer. In such eventuality, the Performance Guarantee of the contractor shall be refunded within following time limits:</p>
	<p>i) If the Contract price of work is up to Rs. 50 lakhs: 15 days.</p>
	<p>ii) If the Contract price of work exceeds Rs. 50 lakhs: 30 days.</p>
	<p>d) If Performance Guarantee is not released within prescribed time limit, then a simple interest @ 0.25% per month shall be payable on Performance Guarantee amount to the contractor from the date of expiry of prescribed time limit. A compensation for such eventuality, on account of damages etc. shall be payable @ 0.25% of Contract price subject to maximum limit of Rs. 10 lakhs.</p>
	CLAUSE 3B
Termination of Contract in case of death of Contractor	Without prejudice to any of the rights or remedies under this contract, if the contractor, being an individual, dies, the Employer shall have the option of terminating the contract without any liability for such termination and compensation to the contractor.
	CLAUSE 4



Contractor liable to pay Compensation even if action not taken under Clause 3		In any case in which any of the powers conferred upon the Bank's Engineer by Clause-3 thereof, shall have become exercisable and the same are not exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected. In the event of the Bank's Engineer putting in force all or any of the powers vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the contractor, take possession of (at the sole discretion of the Bank's Engineer which shall be final and binding on the contractor) or use as on hire (the amount of the hire money being also in the final determination of the Bank's Engineer) all or any tools, plant, materials and stores, in or upon the works, or the site thereof belonging to the contractor, or procured by the contractor and intended to be used for the execution of the work/or any part thereof, paying or allowing for the same in account at the contract rates, or, in the case of these not being applicable, at current market rates to be certified by the Bank's Engineer, whose certificate thereof shall be final, and binding on the contractor, clerk of the works, foreman or other authorized agent to remove such tools, plant, materials, or stores from the premises (within a time to be specified in such notice) in the event of the contractor failing to comply with any such requisition, the Bank's Engineer may remove them at the contractor's expense or sell them by auction or private sale on account of the contractor and his risk in all respects and the certificate of the Bank's Engineer as to the expenses of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the contractor.
	CLAUSE 5	
Time and Extension for Delay		The time allowed for execution of the Works as specified in the Schedule 'F' or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the works shall commence from such time period as mentioned in schedule 'F' or from the date of handing over of the site whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, Employer shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the performance guarantee absolutely.



5.1	As soon as possible after the award of work but in any case, before 14 days from the date of award of work, the Contractor shall submit a Time and Progress Chart for each milestone and get it approved by the Bank's Engineer. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-inCharge and the Contractor within the limitations of time imposed in the Contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (same for special jobs for which a separate programme has been agreed upon) complete the work as per mile stones given in Schedule 'F'.
	PROGRAMME CHART
i)	The Contractor shall prepare a detailed work programme for the execution of work, clearly showing all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the programme within the stipulated period or earlier and submit the same for approval to the Bank's Engineer within fourteen days of award of the contract. A recovery of Rs.500/- shall be made on per day basis in case of delay in submission of the above programme subject to a maximum of 0.5% of the contract amount. In case the work programme is not found realistic to achieve the scheduled target date of completion, Bank has right to modify the programme with mutual consultation which shall be binding on the Contractor
ii)	The programme should include the following:
	a) Descriptive note explaining sequence of the various activities.
	b) Network (PERT / CPM / BAR CHART).
	c) Programme for procurement of materials by the contractor.
	d) Programme for deployment of man power by the contractor.
iii)	If at any time, it appears to the Bank's Engineer that the actual progress of work does not conform to the approved programme referred above or after rescheduling of milestones, on his instructions, the contractor shall produce a revised programme within 7 (seven) days, showing the modifications to the approved programme to ensure timely completion of the work. The modified schedule of programme shall be approved by the Engineer-inCharge. A recovery of Rs. 500/- shall be made on per day basis in case of delay in submission of the modified programme from the date of instructions issued by Bank's Engineer to submit a revised programme subject to a maximum of 0.5% of the contract amount.
iv)	The submission for approval by the Bank's Engineer of such programme or such particulars shall not relieve the contractor of any of the duties or responsibilities under the contract. This is without prejudice to the right of Bank's Engineer to take action against the contractor as per terms and conditions of the agreement.



	v)	The contractor shall submit the progress report for works costing up to Rs 2 Crores with reference to base line programme referred above for the work done during previous month to the Bank's Engineer on or before 5th day of each month failing which a recovery Rs. 500/- shall be made on per day basis in case of delay in submission of the monthly progress report subject to a maximum of 0.5% of the contract amount.
	5.2)	If the work(s) be delayed by:-
	i)	force majeure, or
	ii)	abnormally bad weather, or
	iii)	serious loss or damage by fire, or
	iv)	civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or
	v)	delay on the part of other contractors or tradesmen engaged by Engineer-in- Charge in executing work not forming part of the Contract, or
	vi)	non-availability of stores, which are the responsibility of Employer to supply or
	vii)	non-availability or break down of tools and Plant to be supplied or supplied by Employer or
	viii)	any other cause which, in the absolute discretion of the Engineer-in Charge is beyond the Contractor's control.
		then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the authority as indicated in Schedule 'F' but shall nevertheless use constantly his best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-inCharge to proceed with the works.
	5.3)	Request for rescheduling of Milestones and extension of time, to be eligible for consideration with reasons, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay to the authority as indicated in Schedule 'F'. The Contractor may also, if practicable, indicate in such a request the period for which extension is desired.
	5.4)	In such case the authority as indicated in Schedule 'F' may give a fair and reasonable extension of time and reschedule the milestones for completion of work. Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule 'F' in writing within 4 weeks from the date of receipt of such request. The contractor should make any such request for extension of time or rescheduling of milestones at least in one month advance from schedule date of achievement of milestone/work. Non-submission of application by the contractor for extension of time/ rescheduling of the milestones shall not be a bar for giving a fair and reasonable extension of time by the authority as indicated in Schedule 'F' and this shall be



		binding on the contractor. After giving a fair and reasonable extension of time, the authority shall advise the contractor to reschedule the milestones and submit for approval.
	CLAUSE 6	
Measurements of Work Done	i)	Bank's Engineer shall, except as otherwise provided, ascertain and determine by measurement, the value in accordance with the contract of work done.
	ii)	All measurement of all items having financial value shall be entered in Measurement Book and/or level field book so that a complete record is obtained of all works performed under the contract.
	iii)	All measurements and levels shall be taken jointly by the Bank's Engineer or his authorized representative and by the contractor or his authorized representative from time to time during the progress of the work and such measurements shall be signed and dated by the Bank's Engineer and the contractor or their representatives in token of their acceptance. If the contractor objects to any of the measurements recorded, a note shall be made to that effect with reason and signed by both the parties.
	iv)	If for any reason, the contractor or his authorized representative is not available and the work of recording measurements is suspended by the Bank's Engineer or his representative, the Bank's Engineer and the Employer shall not entertain any claim from contractor for any loss or damages on this account. If the contractor or his authorized representative does not remain present at the time of such measurements after the contractor or his authorized representative has been given a notice in writing three (3) days in advance or fails to countersign or to record objection within a week from the date of the measurement, then such measurements recorded in his absence by the Bank's Engineer or his representative shall be deemed to be accepted by the Contractor.
	v)	The contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for measurements and recording levels.
	vi)	Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards (IS 1200) or any other relevant code of practice and if for any item no such standard is available, then a mutually agreed method shall be followed.



	vii)	The contractor shall give, not less than seven days' notice to the Bank's Engineer or his authorized representative in charge of the work, before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of the Bank's Engineer or his authorized representative in charge of the work who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of measurements without such notice having been given or the Bank's Engineer's consent being obtained in writing, the same shall be uncovered at the Contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.
	viii)	Bank's Engineer or his authorized representative may cause either themselves or through another officer of the department to check the measurements recorded jointly or otherwise as aforesaid and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.
	ix)	It is also a term of this contract that recording of measurements of any item of work in the measurement book and/or its payment in the interim, on account or final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects noticed till completion of the defect's liability period.
	CLAUSE 6A	
Computerized Measurement Book	i)	Bank's Engineer shall, except as otherwise provided, ascertain and determine by measurement the value of work done in accordance with the contract.
	ii)	All measurements of all items having financial value shall be entered by the contractor and compiled in the shape of the Computerized Measurement Book having pages of A-4 size as per the proforma of Measurement Book annexed hereto, so that a complete record is obtained of all the items of works performed under the contract.
	iii)	All such measurements and levels recorded by the contractor or his authorized representative from time to time, during the progress of the work, shall be got checked by the contractor from the Bank's Engineer or his authorized representative as per interval or program fixed in consultation with Bank's Engineer or his authorized representative. After the necessary corrections made by the Bank's Engineer or his authorized representative the measurement sheets shall be returned to the contractor for incorporating the corrections and for resubmission to the Bank's Engineer for the dated signatures by the Engineer- in-Charge and/or his authorized representative and the contractor or their representatives in token of their acceptance.



	iv)	Whenever bill is due for payment, the contractor would initially submit draft computerized measurement sheets and these measurements would be got checked/test checked from the Bank's Engineer and/or his authorized representative. The contractor will, thereafter, incorporate such changes as may be done during these checks/test checks in his draft computerized measurements, and submit to the Employer a computerized measurement book, duly bound, and with its pages machine numbered. The Engineer-in- Charge and/or his authorized representative would thereafter check this MB, and record the necessary certificates for their checks/test checks.
	v)	The final, fair, computerized measurement book given by the contractor, duly bound, with its pages machine numbered, should be 100% correct, and no cutting or over-writing in the measurements would thereafter be allowed. If at all any error is noticed, the contractor shall have to submit a fresh computerized MB with its pages duly machine numbered and bound, after getting the earlier MB cancelled by the Employer. Thereafter, the MB shall be taken in the Office records, and allotted a number as per the Register of Computerized MBs. This should be done before the corresponding bill is submitted to the Office for payment. The contractor shall submit two spare copies of such computerized MB's for the purpose of reference and record by the concerned officers of the Employer.
	vi)	The contractor shall also submit to the Employer separately his computerized Abstract of Cost as per format annexed hereto and the bill based on these measurements, duly bound, and its pages machine numbered along with two spare copies of the bill. Thereafter, this bill will be processed by the Employer and allotted a number as per the computerized record in the same way as done for the measurement book meant for measurements.
	vii)	The contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for checking of measurements/levels by the Engineer-in- Charge or his representative.
	viii)	Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards or any other relevant code of practice and if for any item no such standard is available then a mutually agreed method shall be followed.
	ix)	The contractor shall give not less than seven days' notice to the Bank's Engineer or his authorized representative in charge of the work before covering up or otherwise placing beyond the reach of checking and/or test checking the measurement of any work in order



		that the same may be checked and/or test checked and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of checking and/or test checking measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of the Bank's Engineer or his authorized representative in charge of the work who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of checking and/or test checking measurements without such notice having been given or the Bank's Engineer's consent being obtained in writing the same shall be uncovered at the Contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.
	x)	Bank's Engineer or his authorized representative may cause either themselves or through another officer of the department to check the measurements recorded by contractor and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.
	xi)	It is also a term of this contract that checking and/or test checking the measurements of any item of work in the measurement book and/or its payment in the interim, on account of final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects noticed till completion of the defects liability period.
	CLAUSE 7	
Payment on Interim Certificate to be Regarded as Advances	i)	No payment shall be made for work, less than the milestones specified under "Terms of Payment" in this tender or less as approved by the Employer on receipt of specific request of contractor along with justifications of requesting so, till after the whole of the work shall have been completed and certificate of completion given. For works estimated to cost over that specified under the "Terms of Payment" of this tender or less as approved by the Employer on receipt of specific request of contractor along with justifications of requesting so, the interim or running account bills shall be submitted by the contractor for the work executed on the basis of such recorded measurements on the format of the Employer as provided in the proforma annexed hereto. The contractor shall not be entitled to be paid any such interim payment if the gross work done together with net payment/ adjustment of advances for material collected, if any, since the last such payment is less than the amount specified in Schedule 'F', in which case the interim bill shall be prepared only after the requisite progress is achieved. Bank's Engineer shall arrange to have the bill verified by taking or causing to be taken, where necessary, the requisite measurements of the work. In the event of the failure of the contractor to submit the bills, Bank's Engineer shall



		<p>prepare or cause to be prepared such bills in which event no claims whatsoever due to delays on payment including that of interest shall be payable to the contractor. Payment on account of amount admissible shall be made by the Engineer-in- Charge certifying the sum to which the contractor is considered entitled by way of interim payment at such rates as decided by the Bank's Engineer.</p> <p>The Contractor shall be paid by the Employer from time to time, by installments under Interim Certificates to be issued by the Bank's Engineer to the Contractor on account of the works executed as aforesaid in accordance with this contract, subject, however, to a retention of the percentage of such value named in the schedule 'F' as "Retention percentage for Interim Certificates" until the total amount retained shall reach the sum named in the schedule 'F' as "Total Retention Money". The Bank's Engineer may in 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's Engineer shall have certified in writing that they have been completed, the Contractor shall be paid by the Employer in accordance with the Certificate, the sum of money named in the schedule as "Installment after Virtual Completion" being a part of the said Total Retention Money. The Contractor shall be entitled to the payment of the Final Balance in accordance with the final certificate to be issued in writing by the Bank's Engineer at the expiry of the period referred to as "the Defects Liability Period" in clause 17 or as soon as after the expiration of such period as the works shall have been finally completed and all defects made good according to the true intent and meaning hereof whichever shall last happen, provided always that the issue by the Bank's Engineer of any Certificate during the progress of the works or at or after their completion shall not relieve the Contractor from his liability under this contract nor relieve the Contractor of his liability in case of fraud, dishonesty or fraudulent concealment relating to the works or materials or to any matter dealt with in the certificate, and in case of all defect and insufficiencies in the works or materials which a reasonable examination would not have disclosed. No certificate of the Bank's Engineer 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's Engineer might have certified in any interim bill and paid by the Employer and which might subsequently be discovered as not payable and in this respect the Employer's decision shall be final and binding.</p>
	a)	75% of the amount payable to the Contractor on the RA bills will be released as ad-hoc payment within 7 working days from the date of certification by the Bank's Engineer, pending test checking of work and verification of detailed arithmetical accuracy by Employer.
	b)	The Employer shall have power to withhold any certificate if the works or any parts thereof are not being carried out to his satisfaction.



	c)	No payment shall be made to the Contractor if the Contractor fails to insure the works and keep them insured till the issue of the Completion Certificate.
	d)	The amount admissible shall be paid within the specified period of honouring certificates in the schedule 'F' after the day of presentation of the bill by the Contractor to the Bank's Engineer together with the account of the dismantled materials, if any and all required details/ documents. In case of delay in payment of Running Account bills after 45 days of submission of bill by the contractor, provided the bill submitted by the contractor found to be in order, a simple interest @ 3% per annum shall be paid to the contractor from the date of expiry of prescribed time limit.

	ii)	All such interim payments shall be regarded as payment by way of advances against final payment only and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or re-erected. Any certificate given by the Bank's Engineer relating to the work done or materials delivered forming part of such payment, may be modified or corrected by any subsequent such certificate(s) or by the final certificate and shall not by itself be conclusive evidence that any work or materials to which it relates is/are in accordance with the contract and specifications. Any such interim payment, or any part thereof shall not in any respect conclude, determine or affect in any way powers of the Bank's Engineer under the contract or any of such payments be treated as final settlement and adjustment of accounts or in any way vary or affect the contract.
	iii)	Pending consideration of extension of date of completion, interim payments shall continue to be made as herein provided without prejudice to the right of the Employer to take action under the terms of this contract for delay in the completion of work, if the extension of date of completion is not granted by the competent authority.
Payments in composite Contracts	iv)	In case of composite tenders, running payment for the major and minor components shall be made after certification of works by concerned engineers of respective discipline.
	v)	In case main contractor fails to make the payment to the contractor associated by him within 15 days of receipt of each running account payment, then on the written complaint of contractor associated for such minor component, Bank's Engineer shall serve the show cause to the main contractor and if reply of main contractor either not received or found unsatisfactory, she/he may make the payment directly to the contractor associated for minor component as per the terms and conditions of the agreement drawn between main contractor and associate contractor fixed by him. Such payment made to the associate contractor shall be recovered by Bank's Engineer from the next RA/ final bill due to main contractor as the case may be.
	CLAUSE 7A	



Unfixed materials when taken into account to be the property of the Employer	Where in any Certificate (of which the Contractor has received payment), the Bank's Engineer has included the value of any unfixed materials intended for and/or placed on or adjacent to the works such materials shall become the property of the Employer and they shall not be removed except for use upon the works, without the written authority of the Bank's Engineer. The Contractor shall be liable for any loss of, or damage to, such materials.
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	CLAUSE 8	
Completion Certificate and Completion Plans	i)	Within ten days of the completion of the work, the contractor shall give notice of such completion to the Bank's Engineer and within thirty days of the receipt of such notice, the Bank's Engineer shall inspect the work if the work is found incomplete, the contractor shall be advised suitably .Further, in the completed work, if there is no defect , the Engineer-in-Charge shall furnish the contractor with a final certificate of completion, otherwise a provisional certificate of physical completion indicating defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced rates, shall be issued. But no final certificate of completion shall be issued, nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall be executed all scaffolding, surplus materials, rubbish and all huts and sanitary arrangements required for his/their work people on the site in connection with the execution of the works as shall have been erected or constructed by the contractor(s) and cleaned off the dirt from all wood work, doors, windows, walls, floor or other parts of the building, in, upon, or about which the work is to be executed or of which he may have had possession for the purpose of the execution; thereof, and not until the work shall have been measured by the Bank's Engineer. If the contractor shall fail to comply with the requirements of this Clause as to removal of scaffolding, surplus materials and rubbish and all huts and sanitary arrangements as aforesaid and cleaning off dirt on or before the date fixed for the completion of work, the Bank's Engineer may at the expense of the contractor remove such scaffolding, surplus materials and rubbish etc., and dispose of the same as he thinks fit and clean off such dirt as aforesaid, and the contractor shall have no claim in respect of scaffolding or surplus materials as aforesaid except for any sum actually realized by the sale thereof.
	ii)	The works shall not be considered as completed until the Engineer-in-charge has certified in writing that they have been completed. The Defects Liability Period shall commence from the date of such certificate.
	CLAUSE 8A	
Contractor to keep Site Clean		The splashes and droppings from white washing, colour washing, painting etc., on walls, floor, windows, etc shall be removed and the surface cleaned simultaneously with the completion of these items of work in the individual rooms, quarters or premises etc. where the work is done. The cleaning shall be carried out as soon as possible without



		waiting for the actual completion of all the other items of work in the contract. In case the contractor fails to comply with the requirements of this clause, the Bank's Engineer shall have the right to get this work done at the cost of the contractor through any other agency. Before taking such action, the Bank's Engineer shall give ten days' notice in writing to the contractor.
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	CLAUSE 8B	
Completion Plans to be Submitted by the Contractor	i)	The contractor shall submit completion plan (as built drawing in AUTOCAD or any such approved software and one hard copy) as applicable to related drawings depending upon the scope of work within thirty days of the completion of the work.
	ii)	The contractor shall submit all the data and details as regards the work to enable the Employer to prepare the 'As built drawings' for layouts etc.
	iii)	The contractor shall also submit the operation and maintenance manuals and other technical literature/ warranty certificates provided by OEMs in respect of all the electrical/ electro-mechanical and electronic equipment/ systems etc.
	iv)	In case, the contractor fails to submit the completion plan as aforesaid, the Employer will not process its bills for payment till such time the completion plan is submitted.
	CLAUSE 9	
Payment of Final Bill		The final bill shall be submitted by the contractor in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Bank's Engineer whichever is earlier. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Bank's Engineer, will, as far as possible be made within the period specified hereunder, the period being reckoned from the date of receipt of the bill by the Engineer-in- Charge complete with account of materials wherever applicable.
	i)	If the Contract price of work is more than Rs.50 lakh : 3 months
		In case of delay in payment of final bills after prescribed time limit, a simple interest @ 3% per annum shall be paid to the contractor from the date of expiry of prescribed time limit, provided the final bill submitted by the contractor found to be in order.
	CLAUSE 9A	



Payment of Contractor's Bills through electronic means	i)	<p>Payments due to the contractor shall be made to his bank through NEFT. For this purpose, the contractor shall furnish to the Bank's Engineer</p> <p>(1) an authorization in the form of a legally valid document such as a power of attorney conferring authority on the bank; to receive payments and all other required particulars in the approved format</p> <p>(2) his own acceptance of the correctness of the amount made out as being due to him by Employer or his signature on the bill or other claim preferred against Employer before settlement by the Engineer-inCharge of the account or claim by payment to the bank.</p> <p>While the NEFT transaction slip shall constitute a full and sufficient discharge for the payment, the contractor shall whenever possible, present his bills duly receipted and discharged through his bank.</p>
	ii)	Nothing herein contained shall operate to create in favour of the bank any rights or equities vis-a- vis the Employer.

	CLAUSE 10	
Materials to be provided by the Contractor	i)	The contractor shall, at his own expense, provide all materials, required for the works.
	ii)	<p>The contractor shall, at his own expense and without delay, supply to the Engineer-in- Charge samples of materials to be used on the work and shall get these approved in advance. All such materials to be provided by the Contractor shall be in conformity with the specifications laid down or referred to in the contract. The materials shall be selected from the list of approved makes of materials at Section VI. The contractor shall, if requested by the Engineer in-Charge furnish proof, to the satisfaction of the Bank's Engineer that the materials so comply. The Engineer in-Charge shall within thirty days of supply of samples or within such further period as he may require intimate to the Contractor in writing whether samples are approved by him or not. If samples are not approved, the Contractor shall forthwith arrange to supply to the Bank's Engineer for his approval, fresh samples complying with the specifications laid down in the contract. When materials are required to be tested in accordance with specifications, approval of the Bank's Engineer shall be issued after the test results are received.</p>
	iii)	The Contractor shall at his risk and cost submit the samples of materials to be tested or analyzed and shall not make use of or incorporate in the work any materials represented by the samples until the required tests or analysis have been made and materials finally accepted by the Bank's Engineer. The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of materials.



	iv)	The contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the Bank's Engineer may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Engineering-Charge and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications. The Engineer-in- Charge or his authorized representative shall at all times have access to the works and to all workshops, factories or/ and other places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works and the contractor shall afford every facility and every assistance in obtaining the right to such access for inspections and examination and test of the materials and workmanship. No person not authorized by the employer except the representatives of public authorities shall be allowed on the works at any time.
	v)	The Bank's Engineer shall have full powers to require the removal from the premises of all materials which in his opinion are not in accordance with the specifications and in case of default, the Bank's Engineer shall be at liberty to employ at the expense of the contractor, other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials. The Bank's Engineer shall also have full powers to require other proper materials to be substituted thereof and in case of default, the Bank's Engineer may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor.
	vi)	Basic price adjustment (plus or minus as applicable) 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, Contractor's overhead and profit @ 15% on the difference shall be considered for the Basic price / Rate adjustment. While carrying out price adjustments, NO other components such as wastage, GST, transportation, handling, loading and unloading, storing, insurance, labour, etc. shall be considered.
Work to be Executed in Accordance with Specifications, Drawings, Orders etc.	CLAUSE 11	
	i)	The contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of the work signed by the Bank's Engineer and the contractor shall be furnished free of charge one copy of the contract documents together with specifications, designs, drawings and instructions as are not included in any Bureau of Indian Standard or any other, published standard or code or, Schedule of Rates or any other printed publication referred to elsewhere in the contract.



	ii)	In the case of any class of work for which there is no such specifications as referred above, such work shall be carried out in accordance with the Bureau of Indian Standards Specifications. In case there are no such specifications in Bureau of Indian Standards, the work shall be carried out as per manufacturers' specifications. In case there are no such specifications as required above, the work shall be carried out in all respects in accordance with the instructions and requirements of the Bank's Engineer.
	iii)	The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

Action in case Work not done as per Specifications	CLAUSE 11 A	
	i)	All works under or in course of execution or executed in pursuance of the contract, shall at all times be open and accessible to the inspection and supervision of the Bank's Engineer, his authorized subordinates in charge of the work and all the superior officers of the Employer or any organization engaged by the Employer for Quality Assurance and of the Chief Technical Examiner's Office, and the contractor shall, at all times, during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.



	<p>ii) If it shall appear to the Bank's Engineer or his authorized representatives or to the Superior Officers of the employer or the officers of the organization engaged by the Employer for Quality Assurance or to the Chief Technical Examiner or his subordinate officers, that any work has been executed with unsound, imperfect, or unskillful workmanship, or with materials or articles provided by him for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract, the contractor shall, on demand in writing which shall be made within Defects Liability Period stated in schedule 'F' or, if none stated, then within twelve months (six months in the case of work costing Rs Five Lakh and below) after completion of the work, from the Bank's Engineer specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost. In the event of him failing to do so within a period specified by the Bank's Engineer in his demand aforesaid, then the contractor shall be liable to pay compensation at the same rate as under clause 2 of the contract (for non-completion of the work in time) for this default.</p> <p>iii) In such case the Bank's Engineer may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the authority specified in Schedule 'F' may consider reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the safety and utility of the item and the structure or he may reject the work outright without any payment and/or get it and other connected and incidental items rectified, or removed and re-executed at the risk and cost of the contractor. Decision of the Bank's Engineer to be conveyed in writing in respect of the same will be final and binding on the contractor.</p>
<p>Deviations/ Variations Extent and Pricing</p>	<p>CLAUSE 12</p> <p>The Bank's Engineer shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Bank's Engineer and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided. The Bank's Engineer shall be the final authority to decide whether any item of work is extra/ deviation/ substitution item.</p>



		12.1	The time for completion of the works shall, in the event of any deviations resulting in additional cost over the Contract price sum being ordered, be extended, if requested by the contractor, as follows
		i)	In the proportion in which the additional cost of the altered, additional or substituted work (The difference of Final completed cost of work(including the financial impact of all extra, substituted and deviated items but excluding the financial impact due to operation of price adjustment clause) and the Contract price), bears to the original Contract price plus
		ii)	25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the Engineer-in-Charge.
Deviation Extra Items and Pricing	-	12.2	A)
			Items that are completely new, and are in addition to the items contained in the contract
			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 omissions 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's Engineer the net rate or price contained in the Priced Schedule of Quantities or tender or for any item of the works involves loss or expense beyond that reasonably contemplated by the Contractor or is by reason of such omission or addition rendered unreasonable or inapplicable, the Bank's Engineer shall fix such other rate or price as in the circumstances he shall think reasonable and proper, with the prior approval in writing of the Employer.
			Where extra work cannot be properly measured or valued, the Contractor shall be allowed day work prices as the net rates stated in the tender of the Priced Schedule of Quantities or, if not so stated, then in accordance with the local day work rates and wages for the district, provided that in either case vouchers specifying the daily time (and if required by the Bank's Engineer, the workman's name) and materials employed be delivered for verification to the Bank's Engineer or his representative at or before the end of the week following that in which the work has been executed.



			In the case of extra item(s) (items that are completely new, and are in addition to the items contained in the contract), the contractor may within fifteen days of receipt of order or occurrence of the item(s) claim rates, supported by proper rate analysis (CPWD method shall be followed as far as possible) worked on the "actual cost basis" plus 15% towards establishment charges, contractor's overhead and profit and the Bank's Engineer shall within prescribed time limit of the receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.
Deviation Substituted Items and Pricing	-	B)	Items that are taken up with partial substitution or in lieu of items of work in the contract
			In the case of substituted items (items that are taken up with partial substitution or in lieu of items of work in the contract), the rate for the agreement item (to be substituted) and substituted item shall, wherever possible, be derived out of the rates given in priced schedule of quantities in the manner as mentioned in the following para.
		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.
		b)	The net prices of the original tender shall determine the value of the items omitted provided if omissions vary the conditions under which any remaining items of works are carried out the prices for the same shall be valued under sub-clause (A) thereof.
		c)	If the market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so increased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).
		d)	If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).



Deviation - Deviated Quantities and Pricing		C)	In the case of contract items, substituted items, contract cum substituted items which exceed the pre-specified limits over the tender quantity
			In the case of contract items, substituted items, contract cum substituted items, which exceed the pre-specified limits laid down in Schedule 'F', the contractor may within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper rate analysis (CPWD method shall be followed as far as possible) worked on the "actual cost basis" plus 15% towards establishment charges, contractor's overhead and profit for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities, the Bank's Engineer shall within prescribed time limit of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.
			The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work in excess of the limits laid down in Schedule F, and the Bank's Engineer shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.
	12.3		The prescribed time limits for finalising rates for Extra Item(s), Substitute Item(s) and Deviated Quantities of contract items are 30 days.
	12.4		The contractor shall send to the Bank's Engineer once every three months, an up to date account giving complete details of all claims for additional payments to which the contractor may consider himself entitled and of all additional work ordered by the Engineer-inCharge which he has executed during the preceding quarter failing which the contractor shall be deemed to have waived his right. However, the Employer may authorize consideration of such claims on merits.
	12.5		Any operation incidental to or necessarily has to be in contemplation of tenderer while filing tender, or necessary for proper execution of the item included in the Schedule of quantities or in the schedule of rates mentioned above, whether or not, specifically indicated in the description of the item and the relevant specifications, shall be deemed to be included in the rates quoted by the tenderer or the rate given in the said schedule of rates, as the case may be. Nothing extra shall be admissible for such operations.



Foreclosure of contract due to Abandonment or Reduction in Scope of Work	CLAUSE 13	
	If at any time after acceptance of the tender, Employer shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the works to be carried out, the Bank's Engineer shall give notice in writing to that effect to the contractor and the contractor shall act accordingly in the matter. The contractor 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 works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.	
	The contractor shall be paid at contract rates, full amount for works executed at site and, in addition, a reasonable amount as certified by the Bank's Engineer for the items hereunder mentioned which could not be utilized on the work to the full extent in view of the foreclosure;	
	i)	Employer shall have the option to take over contractor's materials or any part thereof either brought to site or of which the contractor is legally bound to accept delivery from suppliers (for incorporation in or incidental to the work) provided, however Employer shall be bound to take over the materials or such portions thereof as the contractor does not desire to retain. For materials taken over or to be taken over by Employer, cost of such materials as detailed by Engineer-in- Charge shall be paid. The cost shall, however, take into account purchase price, cost of transportation and deterioration or damage which may have been caused to materials whilst in the custody of the contractor.
	The contractor shall, if required by the Engineer- in-Charge, furnish to him, books of account, wage books, time sheets and other relevant documents and evidence as may be necessary to enable him to certify the reasonable amount payable under this condition.	
Carrying out part work at risk & cost of contractor	CLAUSE 14	
	If contractor:	
	i)	At any time makes default during currency of work or does not execute any part of the work with due diligence and continues to do so even after a notice in writing of 7 days in this respect from the Bank's Engineer; or
	ii)	Commits default in complying with any of the terms and conditions of the contract and does not remedy it or takes effective steps to remedy it within 7 days even after a notice in writing is given in that behalf by the Bank's Engineer; or
	iii)	Fails to complete the work(s) or items of work with individual dates of completion, on or before the date(s) so determined, and does not complete them within the period specified in the notice given in writing in that behalf by the Bank's Engineer.



<p>The Engineer- in-Charge without invoking action under clause 3 may, without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to Employer, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to:</p>	
a)	Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or
b)	Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor.
<p>The Bank's Engineer shall determine the amount, if any, is recoverable from the contractor for completion of the part work/ part incomplete work of any item(s) taken out of his hands and execute at the risk and cost of the contractor. The liability of contractor on account of loss or damage suffered by Employer because of action under this clause shall not exceed 10% of the Contract price of the work.</p>	
<p>In determining the amount, credit shall be given to the contractor with the value of work done in all respect in the same manner and at the same rate as if it had been carried out by the original contractor under the terms of his contract, the value of contractor's materials taken over and incorporated in the work and use of plant and machinery belonging to the contractor. The certificate of the Bank's Engineer as to the value of work done shall be final and conclusive against the contractor provided always that action under this clause shall only be taken after giving notice in writing to the contractor. Provided also that if the expenses incurred by the Employer are less than the amount payable to the contractor at his agreement rates, the difference shall not be payable to the contractor.</p>	
<p>Any excess expenditure incurred or to be incurred by Employer in completing the part work/ part incomplete work of any item(s) or the excess loss of damages suffered or may be suffered by Employer as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to Employer in law or as per agreement be recovered from any money due to the contractor on any account, and if such money is insufficient, the contractor shall be called upon in writing and shall be liable to pay the same within 30 days.</p>	
<p>If the contractor fails to pay the required sum within the aforesaid period of 30 days, the Bank's Engineer shall have the right to sell any or all of the contractors' unused materials kept at site etc. and adjust the proceeds of sale thereof towards the dues recoverable from the contractor under the contract and if thereafter there remains any balance outstanding, it shall be recovered in accordance with the provisions of the contract.</p>	
<p>In the event of above course being adopted by the Bank's Engineer, the</p>	



	contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advance on any account or with a view to the execution of the work or the performance of the contract.		
Suspension of Work	CLAUSE 15		
	i)	The contractor shall, on receipt of the order in writing of the Bank's Engineer, (whose decision shall be final and binding on the contractor) suspend the progress of the works or any part thereof for such time and in such manner as the Bank's Engineer may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof for any of the following reasons:	
		a)	on account of any default on the part of the contractor or;
		b)	for proper execution of the works or part thereof for reasons other than the default of the contractor; or
		c)	for safety of the works or part thereof. The contractor shall, during such suspension, properly protect and secure the works to the extent necessary and carry out the instructions given in that behalf by the Engineer-in- Charge.
	ii)	If the suspension is ordered for reasons (b) and (c) in sub-para (i) above:	
		a)	the contractor shall be entitled to an extension of time equal to the period of every such suspension PLUS 25%, for completion of the item or group of items of work for which a separate period of completion is specified in the contract and of which the suspended work forms a part, and;
		b)	If the total period of all such suspensions in respect of an item or group of items or work for which a separate period of completion is specified in the contract exceeds thirty days, the contractor shall, in addition, be entitled to such compensation as the Engineer-in- Charge may consider reasonable in respect of salaries and/or wages paid by the contractor to his employees and labour at site, remaining idle during the period of suspension, adding thereto 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to the Engineer-in- Charge within fifteen days of the expiry of the period of 30 days.



	iii)	<p>If the works or part thereof is suspended on the orders of the Bank's Engineer for more than three months at a time, except when suspension is ordered for reason (a) in sub- para (i) above, the contractor may after receipt of such order serve a written notice on the Bank's Engineer requiring permission within fifteen days from receipt by the Engineer- in-Charge of the said notice, to proceed with the work or part thereof in regard to which progress has been suspended and if such permission is not granted within that time, the contractor, if he intends to treat the suspension, where it affects only a part of the works as an omission of such part by Employer or where it affects whole of the works, as an abandonment of the works by Employer, shall within ten days of expiry of such period of 15 days give notice in writing of his intention to the Bank's Engineer. In the event of the contractor treating the suspension as an abandonment of the contract by Employer, he shall have no claim to payment of any compensation on account of any profit or advantage which he might have derived from the execution of the work in full but which he could not derive in consequence of the abandonment. He shall, however, be entitled to such compensation, as the Bank's Engineer may consider reasonable, in respect of salaries and/or wages paid by him to his employees and labour at site, remaining idle in consequence adding to the total thereof 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to the Bank's Engineer within 30 days of the expiry of the period of 3 months.</p>
Dismantled Material Employer's Property	CLAUSE 16	
	<p>The contractor shall treat all materials obtained during dismantling work at site (except material mentioned in Bill of quantity under rebate item and debris) etc. as Employer's property and such materials shall be disposed off as per the specific instructions in this regard or in absence of the same to the best advantage of Employer according to the instructions in writing issued by the Bank's Engineer.</p>	
	CLAUSE 17	



<p>Contractor Liable for Damages, defects during defect liability period</p>	<p>i) If the contractor or his working people shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road kerb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage, settlement or other faults appear in the work within Defects Liability Period stated in schedule 'F' or, if none stated, then within twelve months after a certificate final or otherwise of its completion shall have been given by the Engineer- in-Charge as aforesaid arising out of defect or improper materials or workmanship, the contractor shall upon receipt of a notice in writing on that behalf and within such reasonable times as shall be specified therein, make the same good at his own expense or in case of default the Bank's Engineer may employ and pay other persons to amend and make good such defects, shrinkage, settlements or 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, expenses shall be recoverable from him by the Employer or may be deducted by the Employer, upon the Bank's Engineer's Certificate in writing, from any money due or may become due to the Contractor, or the Employer 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's Engineer 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 Employer 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 Employer, 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. The Contractor shall remain liable under the provisions of this Clause notwithstanding the signing of any certificate or the passing of any accounts, by the Employer. The security deposit of the contractor shall not be refunded before the expiry of the Defect Liability Period after the issue of the certificate final or otherwise, as provided elsewhere.</p>
	<p>Clause 18</p>



Setting out of works	<p>The Contractor shall set out the works and shall be responsible 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 or within the Defect Liability Period after completion of the works, the Contractor shall, if so required, at his own expense rectify such error to the satisfaction of the Bank's Engineer.</p> <p>The checking of any setting-out or of any line or level by the Engineer-incharge or his representative shall not in any way relieve the Contractor of his responsibility for the correctness thereof and the Contractor shall carefully protect and preserve all bench-marks, sight rails, pegs and other things used in setting out the works.</p>	
All relevant Statutory Laws to be complied by the Contractor	CLAUSE 19	
	i)	The contractor shall obtain a valid licence under the Contract Labour (R&A) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986, Minimum Wages (Central) Rules, 1950 and POSH Act 2013.
	ii)	The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.
	iii)	The contractor shall comply with the provisions of the Payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, or the modifications thereof or any other relevant laws and the rules made thereunder from time to time.
	iv)	The contractor shall comply with provisions of any other relevant law in connection with the work, as may be applicable.
	v)	Any failure to fulfill these requirements shall attract the penal provisions of the concerned Act and Contractor shall be liable to face the consequences thereof in addition to any other penal provisions of this contract. The contractor shall indemnify the Employer for any loss caused due to non-compliance with any of the provisions of laws applicable.
Payment of wages:	CLAUSE 19 A	
	i)	The contractor shall pay to labour employed by him either directly or through subcontractors, wages not less than fair wages as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.



	ii)	The contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labour indirectly engaged on the work, including any labour engaged by his sub-contractors in connection with the said work, as if the labour had been immediately employed by him.	
	iii)	In respect of all labour directly or indirectly employed in the works for performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with the Labour Regulations made by Government from time to time in regard to payment of wages, wage period, deductions from wages, recovery of wages not paid and deductions unauthorizedly made, maintenance of wage books or wage slips, publication of scale of wages and other terms of employment, inspection and submission of periodical returns and all other matters of the like nature or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.	
	iv)	a)	The Bank's Engineer concerned shall have the right to deduct from the moneys due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfilment of the conditions of the contract for the benefit of the workers, non-payment of wages or of deductions made from his or their wages which are not justified by their terms of the contract or non-observance of the Regulations.
		b)	Under the provision of Minimum Wages (Central) Rules, 1950, the contractor is bound to allow to the labours directly or indirectly employed in the works one day rest for 6 days continuous work and pay wages at the same rate as for duty. In the event of default, the Bank's Engineer shall have the right to deduct the sum or sums not paid on account of wages for weekly holidays to any labours and pay the same to the persons entitled thereto from any money due to the contractor.
	v)	The contractor shall indemnify as per the approved format and keep indemnified the Employer against payments to be made under and for the observance of the laws aforesaid without prejudice to his right to claim indemnity from his sub-contractors.	
	vi)	The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.	
	vii)	The contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered from the wage of workmen.	
	CLAUSE 19 B		



	In respect of all labour directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his own expense arrange for the safety provisions as per the Safety Code annexed and shall also at his own expense provide for all facilities in connection therewith.
	<p>CLAUSE 19 C</p> <p>The contractor shall submit by the 4th and 19th of every month, to the Bank's Engineer, a true statement showing in respect of the second half of the preceding month and the first half of the current month respectively: -</p> <ol style="list-style-type: none"> 1. the number of labourers employed by him on the work, 2. their working hours, 3. the wages paid to them, 4. the accidents that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them, and <p>The decision of the Employer shall be final in deducting from any bill due to the contractor, the amount levied as fine if any by relevant statutory authorities and be binding on the contractor.</p>
	<p>CLAUSE 19 D</p> <p>In respect of all labour directly or indirectly employed in the works for the performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with all the rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by him/her.</p>
	<p>CLAUSE 19 E</p> <p>The Bank's Engineer may require the contractor to dismiss or remove from the site of the work any person or persons in the contractor's employment upon the work who may be incompetent or misconduct himself and the contractor shall forthwith comply with such requirements. In respect of maintenance/repair or renovation works etc. where the labour have an easy access to the individual houses, the contractor shall issue identity cards to the labourers, whether temporary or permanent and he shall be responsible for any untoward action on the part of such labour.</p>
	CLAUSE 19 F



	i)	It shall be the responsibility of the contractor to see that the site under renovation is not occupied by anybody unauthorizedly during renovation, and is handed over to the Bank's Engineer with vacant possession of the site. If such site though completed is occupied illegally, then the Bank's Engineer shall have the option to refuse to accept the said site in that position. Any delay in acceptance on this account will be treated as the delay in completion and for such delay, the provisions of clause 2 shall be applied by the Employer whose decision shall be final both with regard to the justification and quantum and be binding on the contractor.
	ii)	However, the Employer, through a notice, may require the contractor to remove the illegal occupation any time on or before renovation and handing over.
Contribution of EPF and ESI	CLAUSE 19 G	
	The ESI and EPF contributions on the part of employer in respect of this contract shall be paid by the contractor. The quoted rate shall be inclusive of these amounts. The contractor shall submit the details of registration of labour for EPF and ESI and documents evidencing these payments shall be submitted every month.	
Ensuring Payment and Amenities to Workers if Contractor fails	CLAUSE 19 H	
	In every case in which by virtue of the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and of the Contract Labour (Regulation and Abolition) Central Rules, 1971, Employer is obliged to pay any amounts of wages to a workman employed by the contractor in execution of the works, or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and under the rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by Contractors. Employer will recover from the contractor, the amount of wages so paid or the amount of expenditure so incurred; and without prejudice to the rights of the Employer under subsection(2) of Section 20, and sub-section (4) of Section 21, of the Contract Labour (Regulation and Abolition) Act, 1970, Employer 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 Employer to the contractor whether under this contract or otherwise Employer shall not be bound to contest any claim made against it under sub-section (1) of Section 20, sub-section (4) of Section 21, of the said Act, except on the written request of the contractor and upon his giving to the Employer full security for all costs for which Employer might become liable in contesting such claim.	
	CLAUSE 20	



<p>Authorities and Notices</p>	<p>(i) The Contractor shall conform to the provisions of any Act of the Legislature relating to the work, and to the regulations and bye-laws of any authority, and of any water, electric supply and other companies and/or authorities with whose systems the structure is proposed to be connected and shall before making any variations from the Drawing or Specifications that may be necessitated by so conforming give to the Employer written notice, specifying the variation proposed to be made and the reason for making it and apply for instructions thereon.</p> <p>In case the Contractor shall not within ten days receive such instructions he shall proceed with the work conforming to the provisions, regulations or bye-laws in question, and any variation so necessitated shall be dealt with under Clause 12 thereof.</p> <p>(ii) The Contractor shall bring to the attention of the Employer 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 Employer.</p>
<p>Work not to be sublet. Action in case of insolvency</p>	<p>CLAUSE 21</p> <p>The whole of the works included in the contract shall be executed by the Contractor and the Contract or any part/share thereof or any interest therein shall not be assigned or sublet without the prior written consent of the Employer, and no undertaking shall relieve the Contractor from the full and entire responsibility of the Contract or from active superintendence of the works during their progress.</p> <p>And if the contractor shall assign or sublet his contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, be given, promised or offered by the contractor, or any of his servants or agent to any public officer or person in the employment of the Employer in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Bank's Engineer on behalf of the Employer shall have power to adopt the course specified in Clause 3 hereof in the interest of Employer and in the event of such course being adopted, the consequences specified in the said Clause 3 shall ensue.</p>
	<p>CLAUSE 22</p>



Recovery of Compensation paid to Workmen	In every case in which by virtue of the provisions of the Workmen's Compensation Act, 1923, or any statutory modification or re-enactment thereof, Employer is obliged to pay compensation to a workman employed by the contractor, in execution of the works, Employer shall be entitled to recover from the contractor, the amount of the compensation so paid; and, without prejudice to the rights of the Employer under the provisions of the said Act, Employer 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 Employer to the contractor whether under this contract or otherwise. Employer shall not be bound to contest any claim made against it under the provisions of the said Act, except on the written request of the contractor and upon his giving to Employer full security for all costs for which Employer might become liable in consequence of contesting such claim.
Changes in firm's Constitution to be intimated	<p>CLAUSE 23</p> <p>Where the contractor is a partnership firm, the previous approval in writing of the Bank's Engineer shall be obtained before any change is made in the constitution of the firm. Where the contractor is an individual or a Hindu undivided family business concern, such approval as aforesaid shall likewise be obtained before the contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the works hereby undertaken by the contractor. If previous approval as aforesaid is not obtained, the contract shall be deemed to have been assigned in contravention of Clause 21 hereof and the same action may be taken, and the same consequences shall ensue as provided in the said Clause 21.</p>
Contractor to Supply Material, Machinery, Equipment, Tools & Plants etc.	<p>CLAUSE 24</p> <p>The contractor shall arrange at his own expense all materials (including consumables such as welding rods etc.), all tools, plant, machinery and equipment (hereinafter referred to as T&P) required for execution of the work. In addition to this, appliances, implements, other plants, ladders, cordage, tackle, steel scaffolding and temporary works required for the proper execution of the work, whether original, altered or substituted and whether included in the specifications or other documents forming part of the contract or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Bank's Engineer as to any matter as to which under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage therefor to and from the work. The contractor shall also supply without charge the requisite number of persons with the means and materials, necessary for the purpose of setting out works, and counting, weighing and assisting the measurement for examination at any time and from time to time of the work or materials.</p>
	CLAUSE 25



Settlement of Disputes & Arbitration	Except where otherwise provided in the contract, all questions and disputes relating to the meaning of the specifications, design, drawings and instructions here-in before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter:	
	i)	The decision, opinion, direction, certificate of payment issued by the committee member decided by the Bank in respect of all or any of the accepted matters as provided in the contract shall be final, conclusive and binding on the parties hereto and shall be without appeal. Such decision may be in the form of a final certificate or otherwise.
	ii)	All other disputes and differences of any kind whatsoever 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 their completion and whether before or after the determination abandonment or breach of the contract) shall be referred to and settled by a committee comprising of two (02) higher officials of the Bank and one Independent External Monitor. The designated authority shall state its decision in writing within 28 days from the date of receipt of reference from the contractor.



	iii)	<p>But If the committee fails to give his decision within the aforesaid period or if either party be dissatisfied on any matter it 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 arbitrated upon. 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 there is no agreement on the appointment of arbitrator, the employer shall prepare a panel of three person's names and forward to the contractor to select one among them as arbitrator. The arbitrator so appointed/selected shall confine himself only to the dispute/difference referred to him while adjudicating and pronouncing his decision.</p> <p>The arbitrator 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.</p> <p>Upon any such reference, the decision on the cost incidental to the reference and award respectively shall be in the discretion of the arbitrator as the case may be, who may determine the amount thereof</p>
		<p>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 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 is given, abide by the decision of the Employer. No award of the arbitrator shall relieve the Contractor of his obligations to adhere strictly to the Employer's instructions with regard to the actual carrying out of the works. The Employer 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 place of Arbitration shall be as specified in Schedule 'F'.</p>
Nominated	CLAUSE 26	



Sub-Contractors	(i)	All Specialists, Merchants, Tradesman and other executing any work of supplying and fixing any goods for which prime cost prices or provisional sums are included in the Schedule of Quantities and/or Specifications who may be nominated or selected by the Engineer-in-charge are hereby declared to be Sub-Contractors employed by the Contractor and are herein referred to as nominated Sub-Contractors.
	(ii)	No nominated Sub-Contractor shall be employed on or in connection with the works against whom the Contractor shall make reasonable objection or (save where the Employer and Contractor shall otherwise agree) who will not enter into a Contract provided:
		a) That the nominated Sub-Contractor shall indemnify the Contractor against the same obligation in respect of the Subcontract as the Contractor is under in respect of this contract.
		b) 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.
		c) Payment shall be made to the nominated Sub-Contractor within fourteen days of his receipt of the Bank's Engineer's Certificate provided that before any certificate is issued, the Contractor shall, upon request, furnish to the Bank's Engineer proof that all nominated Sub-Contractor's accounts included in previous Certificates have been duly discharged, on the default whereof, the Employer may pay the same upon a Certificate of the Bank's Engineer and deduct the amount thereof from any sum due to the Contractor. The exercise of this power shall not create brevity of contract as between Employer and Subcontractor.
Withholding and lien in respect of sum due from contractor	CLAUSE 27	
	i)	Whenever any claim or claims for payment of a sum of money arises out of or under the contract or against the contractor, the Employer shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the contractor and for the purpose aforesaid, the Employer shall be entitled to withhold the Security Deposit, if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the contractor, the Employer shall be entitled to withhold and have a lien to retain to the extent of such claimed amount or amounts referred to above, from any sum or sums found payable or which may at any time thereafter become payable to the contractor under the same contract or any other contract elsewhere



	<p>with the RESERVE BANK OF INDIA, pending finalization of adjudication of any such claim.</p> <p>It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above by Employer will be kept withheld or retained as such by the Employer till the claim arising out of or under the contract is determined by the arbitrator(if the contract is governed by the arbitration clause) or by the competent court, as the case may be and that the contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to above and duly notified as such to the contractor. For the purpose of this clause, where the contractor is a partnership firm or a limited company, the Employer shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company as the case may be, whether in his individual capacity or otherwise.</p>
	<p>ii) Employer shall have the right to cause an audit and technical examination of the works and the final bills of the contractor including all supporting vouchers, abstract, etc., to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed to have been done by him under the contract and found not to have been executed, the contractor shall be liable to refund the amount of overpayment and it shall be lawful for Employer to recover the same from him in the manner prescribed in sub-clause (i) of this clause or in any other manner legally permissible; and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by Employer to the contractor, without any interest thereon whatsoever.</p>
Lien in respect of claims in other Contracts	<p>CLAUSE 27A</p> <p>Any sum of money due and payable to the contractor (including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by the Employer against any claim of the Employer in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Employer or RESERVE BANK OF INDIA elsewhere.</p> <p>It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the Employer will be kept withheld or retained as such by the Employer or till his claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitration clause or by the competent court, as the case may be and that the contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the contractor.</p>
	CLAUSE 28



Return of Surplus materials	Notwithstanding anything contained to the contrary in this contract, where any materials for the execution of the contract are procured with the assistance of Employer 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 them off without the written permission of the Employer and return it to Employer, if required by the Employer, all surplus materials that may be left with him after the completion of the contract or at its termination for any reason whatsoever on being paid or credited such price as the Bank's Engineer shall determine having due regard to the condition of the materials. The price allowed to the contractor however shall not exceed the purchase price thereof inclusive of sales tax, octroi and other such levies paid by Contractor in respect thereof. The decision of the Bank's Engineer shall be final and conclusive. In the event of breach of the aforesaid condition, the contractor shall in addition to throwing himself open to action for contravention of the terms of the license or permit and/or for criminal breach of trust, be liable to Employer for all moneys, advantages or profits resulting or which in the usual course would have resulted to him by reason of such breach.	
Water and Electric supply for work	CLAUSE 29	
	Bank will recover 1% of total contract amount as water and electricity charges. It will avail water and electricity power supply required at one point free of charge. Contractor shall make their own arrangement for further extension of connection if any with safety fixtures and nothing extra will be paid for the same.	
	i)	The Employer do not guarantee to maintain uninterrupted supply of water and it will be incumbent on the contractor(s) to make alternative arrangements for water at his/ their own cost in the event of any temporary break down in the water mains so that the progress of his/their work is not held up for want of water. No claim of damage or refund of water charges will be entertained on account of such break down.
Insurance in respect of damages to Persons and Property	CLAUSE 30	
		The Contractor shall be responsible for all injury or damage to persons, animals or things, and for all damage to property which may arise from any factor omission on the part of the Contractor or any Sub-Contractor or any nominated Sub-Contractor or any of their employees. The liability under this clause shall cover also inter-alia any damage to structures, whether immediately adjacent to the works or otherwise, any damage to roads, streets, footpaths, bridges as well as 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 buildings and other structures and works forming the subject matter of this contract due to rain, wind, frost or other inclemency of weather. The Contractor shall indemnify and keep indemnified the Employer 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



	<p>under any statute or otherwise and also in respect of any award or compensation or damage consequent upon such claims. The Contractor shall, at his own expense, effect and maintain till successful completion of defect liability period under this contract, with an insurance company approved by the Employer, an All Risks Policy for Insurance for the full amount of the contract including earth quake risk in the joint names of the Employer 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 Employer before commencing the works.</p> <p>The Contractor shall reinstate all damage of every sort mentioned in this clause so as to do delivery of the whole of the works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damage to property or third parties.</p> <p>The Contractor shall also indemnify and keep indemnified the Employer against all claims which may be made against the Employer by any person in respect of anything which may arise in respect of the works or in consequence thereof and shall at his own expense, effect and maintain until the successful completion of the defect liability period of the contract, with an Insurance Company approved by the Employer a policy of Insurance in the joint names of the Employer and the Contractor (name of the former being placed first in the policy) against such risks and deposit such policy or policies before commencement of the works.</p> <p>The minimum limit of the coverage under the policy shall be Rs.2 lakhs per person for any one accident or occurrence and Rs.5 lakhs in respect of damage to property for any one accident or occurrence. The Contractor shall also indemnify the Employer against all claims which may be made upon the Employer, whether under the Workmen's 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 Sub-Contractor and shall at his own expense effect and maintain until the successful completion of defect liability period of the Contract with an Insurance Company approved by the Employer a policy of Insurance against such risks and deposit such policy or policies with the Employer from time to time during the currency of this contract.</p> <p>In default of the Contractor insuring as provided above, the Employer may so insure and may deduct the premiums paid from any money due or which may become due to the Contractor.</p>
	<p>The Contractor shall be responsible for any liability which may not be covered by the insurance policies referred to above and also for all other damages to any person, animal or defective carrying out of this contract, whatever, may be the reasons due to which the damage shall have been caused.</p>



	<p>The Contractor shall also indemnify and keep indemnified the Employer against 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 damage or compensation arising therefrom.</p> <p>Without prejudice to the other rights of the Employer against Contractors in respect of such default, the Employer shall be entitled to deduct from any sums payable to the Contractor the amount of any damages, compensation costs, charges and other expenses paid by the Employer and which are payable by the Contractor under this clause.</p>
	<p>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 payment in respect of the expenditure incurred for rebuilding or repairing of the materials or goods destroyed or damaged.</p> <p>The Contractor, in case of re-building or reinstatement after damage shall be entitled to such extension of time for completion as the Bank's Engineer may deem fit, but shall, however, not be entitled to reimbursement by the Employer of any shortfall or deficiency in the amount finally paid by the insurer in settlement of any claim arising as set out herein.</p> <p>Without prejudice to his liability under this clause, the Contractor shall also cause all nominated sub-Contractors to effect, for their respective portions of the works similar policies of insurance in accordance with the provisions of this clause and shall produce or cause to produce to the Employer such policies. The Contractor shall not permit a nominated Sub-Contractor to commence work at the 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 the site, the Contractor shall be responsible for any claim or damage attributable to the said Sub-Contractor.</p>
	<p>CLAUSE 31</p> <p>Contractor's Superintendence, Supervision, Technical Staff & Employees</p>



<p>Employment of Technical Staff and employees</p>	<p>i)</p> <p>The contractor shall provide all necessary superintendence during execution of the work and all along thereafter as may be necessary for proper fulfillment of the obligations under the contract until the expiry of the “Defects Liability Period” stated in schedule ‘F’.</p> <p>The contractor shall immediately after receiving letter of award of work and before commencement of the work, intimate in writing to the Bank’s Engineer, the name(s), qualifications, experience, age, address(s) and other particulars along with certificates, of the Project Manager, to be in charge of the work, Principal technical representative and other technical representative(s) who will be supervising the work. Minimum requirement of such Project Manager and technical representative(s) and their qualifications and experience shall not be lower than specified in Schedule ‘F’. The Bank’s Engineer shall within 3 days of receipt of such communication intimate in writing his approval or otherwise of such a representative(s) to the contractor. Any such approval may at any time be withdrawn and in case of such withdrawal, the contractor shall appoint another such representative(s) according to the provisions of this clause. Decision of the Employer shall be final and binding on the contractor in this respect. Such a Project Manager, Principal technical representative and other technical representative(s) shall be appointed by the contractor soon after receipt of the approval from Bank’s Engineer and shall be available at site before start of work.</p> <p>All the provisions applicable to the principal technical representative under the Clause will also be applicable to other technical representative(s). The principal technical representative and other technical representative(s) shall be present at the site of work for supervision at all times when any renovation work is in progress and also present himself/themselves, as required, to the Bank’s Engineer and/or his designated representative to take instructions.</p> <p>Instructions given to the principal technical representative or other technical representative(s) shall be deemed to have the same force as if these have been given to the contractor. The principal technical representative and other technical representative(s) shall be actually available at site fully during all stages of execution of work, during recording/checking/test checking of measurements of works and whenever so required by the Bank’s Engineer and shall also note down instructions conveyed by the Bank’s Engineer or his designated representative(s) in the site order book and shall affix his/their signature in token of noting down the instructions and in token of acceptance of measurements/ checked measurements/ test checked measurements. Necessary site Registers viz. site instruction register /Hindrance Register/Labour Register etc. shall be strictly maintained by him on daily basis and got duly authenticated from Bank’s Engineer or his designated representative. The representative(s) shall not look after any other work. Substitutes, duly approved by Bank’s Engineer of the work in similar manner as aforesaid shall be provided in event</p>
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		<p>of absence of any of the representative(s) by more than two consecutive days.</p> <p>If the Bank's Engineer, whose decision in this respect is final and binding on the contractor, is convinced that no such technical representative(s) is/are effectively appointed or is/are effectively attending or fulfilling the provision of this clause, a recovery (non-refundable) shall be effected from the contractor as specified in Schedule 'F' and the decision of the Bank's Engineer as recorded in the site order book and measurement recorded checked/test checked in Measurement Books shall be final and binding on the contractor. Further if the contractor fails to appoint suitable Project Manager, Principal technical representative and/or other technical representative(s) and if such appointed persons are not effectively present or are absent by more than two continuous days without duly approved substitute or do not discharge their responsibilities satisfactorily, the Bank's Engineer shall have full powers to suspend the execution of the work until such date as suitable other technical representative(s) is/are appointed and the contractor shall be held responsible for the delay so caused to the work. The contractor shall submit a certificate of employment of the technical representative(s) (in the form of copy of Form-16 or CPF deduction issued to the Technical staff and employees employed by him) along with every on-account bill and final bill and shall produce evidence if at any time so required by the Bank's Engineer.</p>
	ii)	<p>The contractor shall provide and employ on the site only such technical assistants as are skilled and experienced in their respective fields and such foremen and supervisory staff as are competent to give proper supervision to the work.</p> <p>The contractor shall provide and employ skilled, semiskilled and unskilled labour as is necessary for proper and timely execution of the work.</p>
	iii)	<p>The Bank's Engineer shall be at liberty to object to and require the contractor to remove from the works any person who in his opinion misconducts himself, or is incompetent or negligent in the performance of his duties or whose employment is otherwise considered by the Bank's Engineer to be undesirable. Such person shall not be employed again at works site without the written permission of the Engineer- in-Charge and the persons so removed shall be replaced as soon as possible by competent substitutes.</p>
Levy/Taxes payable by Contractor	CLAUSE 32	
	i)	<p>Goods and service tax (GST), Building and other Construction Workers Welfare Cess or any other tax or Cess in respect of this contract shall be payable by the contractor and Employer shall not entertain any claim whatsoever in this respect.</p>
	ii)	<p>The contractor shall deposit royalty and obtain necessary permit for supply of the red bajri, sand, stone, kankar, etc. from local authorities.</p>



	If pursuant to or under any law, notification or order any royalty, cess or the like becomes payable by the Employer and does not any time become payable by the contractor to the State Government/ Local authorities in respect of any material used by the contractor in the works, then in such a case, it shall be lawful to the Employer and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from dues of the contractor.	
Conditions for reimbursement of levy/taxes if levied after receipt of tenders	CLAUSE 33	
	i)	All tendered rates shall be inclusive of all taxes and levies () payable under respective statutes. However, if any further tax or levy or cess is imposed by Statute, after the last stipulated date for the receipt of tender including extensions, if any, and the contractor thereupon necessarily and properly pays such taxes/levies/cess, the contractor shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the Employer (whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.
	ii)	The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorized representative of the Employer and/or the Bank's Engineer and shall also furnish such other information/document as the Bank's Engineer may require from time to time.
	iii)	The contractor shall, within a period of 30 days of the
		imposition of any such further tax or levy or cess, give a written notice thereof to the Bank's Engineer that the same is given pursuant to this condition, together with all necessary information relating thereto.
Other Persons employed by Employer	CLAUSE 34	
	The Employer reserves the right to use premises 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 material for the execution of such work except by special arrangement with the Employer. 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.	
	CLAUSE 35	



<p>If relative working with the Employer then the contractor not allowed to tender</p>	<p>The contractor shall not be permitted to tender for works in the office of the Employer responsible for award and execution of contracts in which his near relative is posted as an officer (in any grade) or assistant (including Junior Engineer). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Officer of the Employer. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of the Employer. If, however, the contractor is registered in any other organization, he shall be debarred from tendering by the Employer for any breach of this condition.</p> <p>NOTE: By the term “near relatives” is meant wife, husband, parents and grandparents, children and grandchildren, brothers and sisters, uncles, aunts and cousins and their corresponding in-laws.</p>
<p>No Employee of the Employer to work as Contractor within one year of retirement</p>	<p>CLAUSE 36</p> <p>No Technical or other officer or assistant (including Junior Engineer) employed with the Employer shall work as a contractor or employee of a contractor for a period of one year after his retirement from the service without the previous permission of Employer in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of the Employer as aforesaid, before submission of the tender or engagement in the contractor's service, as the case may be.</p>
<p>Compensation during warlike situations</p>	<p>CLAUSE 37</p> <p>The work (whether fully constructed or not) and all materials, machines, tools and plants, scaffolding, temporary buildings and other things connected therewith shall be at the risk of the contractor until the work has been delivered to the Bank's Engineer and a certificate from him to that effect obtained. In the event of the work or any materials properly brought to the site for incorporation in the work being damaged or destroyed in consequence of hostilities or warlike operation, the contractor shall when ordered (in writing) by the Bank's Engineer to remove any debris from the site, collect and properly stack or remove in store all serviceable materials salvaged from the damaged work and shall be paid at the contract rates in accordance with the provision of this agreement for the work of clearing the site of debris, stacking or removal of serviceable material and for reconstruction of all works ordered by the Bank's Engineer, such payments being in addition to compensation up to the value of the work originally executed before being damaged or destroyed and not paid for. In case of works damaged or destroyed but not already measured and paid for, the compensation shall be assessed by the Bank's Engineer. The contractor shall be paid for the damages/destruction suffered and for restoring the material at the rate based on analysis of rates tendered for in accordance with the provision of the contract. The certificate of the Engineer-in-Charge regarding the quality and quantity of materials and the purpose for which they were collected shall be final and binding on all parties to this contract.</p>



	<p>Provided always that no compensation shall be payable for any loss in consequence of hostilities or warlike operations (a) unless the contractor had taken all such precautions against air raid as are deemed necessary by the Bank's Engineer (b) for any material etc. not on the site of the work or for any tools, plant, machinery, scaffolding, temporary building and other things not intended for the work.</p> <p>In the event of the contractor having to carry out reconstruction as aforesaid, he shall be allowed such extension of time for its completion as is considered reasonable by the Bank's Engineer.</p>
	CLAUSE 38
Direction and approval of Engineer-in-charge	All works to be executed under the contract shall be executed under the direction and subject to the approval in all respects of the Bank's Engineer who shall be entitled to direct at what point or points and in what manner they are to be commenced, and from time to time carried on.
	CLAUSE 39
	All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of Employer without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.
Release of Security deposit after labour clearance	<p>CLAUSE 40</p> <p>Security Deposit of the work shall not be refunded till the contractor produces a clearance deposit after labour certificate from the Labour Officer. As soon as the work is virtually complete the contractor shall apply for the clearance certificate to the Labour Officer under intimation to the Bank's Engineer. The Bank's Engineer, on receipt of the said communication, shall write to the Labour Officer to intimate if any complaint is pending against the contractor in respect of the work. If no complaint is pending, on record till after 3 months after completion of the work and/or no communication is received from the Labour Officer to this effect till six months after the date of completion, it will be deemed to have received the clearance certificate and the Security Deposit will be released, if otherwise due.</p>
Non-Disclosure Pact	<p>CLAUSE 41</p> <p>The contractor shall not disclose directly or indirectly any information, materials and of the Employer's infrastructure/ system/equipment etc. which may come to the possession or knowledge of the contractor during the course of discharging its contractual obligations in connection with the agreement, to any third party and shall at all times hold the same in strictest confidence. The contractor shall treat the details of the contract as private and confidential, except to the extent necessary to carry out the obligations under it or to comply with applicable laws. The contractor shall not publish, permit to be published, or disclose any particulars of the works in any trade or technical paper or elsewhere without the previous written consent of the Employer. The contractor shall indemnify the Employer for any loss suffered by the Employer as a result of disclosure of any confidential information. Failure to observe the above shall be treated as breach of contract on the part of the contractor and the Employer shall be entitled to claim damages and pursue legal remedies. The contractor shall take all appropriate actions with respect to its employees</p>



	<p>to ensure that the obligations of non-disclosure of confidential information under this agreement are fully satisfied.</p> <p>The contractor's obligations with respect to non-disclosure and confidentiality will survive the expiry or termination of this agreement for whatever reason.</p>
Integrity Pact	<p>CLAUSE 42</p> <p>The bidder shall be required to enter into an agreement with the Bank called Integrity Pact (IP). The IP envisages an agreement between the Bank and the bidders as per the approved proforma given in Annex IX, committing the persons/ officials of both sides not to resort to corrupt practices in any aspect/ stage of the contract. The IP shall be applicable from the stage of invitation of application document for empanelment of system integrators. The applications of those bidders which do not contain the IP in the approved proforma shall be liable for rejection. Integrity pact as per the Annex IX shall be executed in non-judicial stamp paper. The cost of the stamp paper shall be borne by the applicant.</p>
Sexual Harassment of women Act, 2013	<p>CLAUSE 43</p> <p>The Contractor / Agency shall be solely responsible for full compliance with the provisions of "the Sexual Harassment of women at workplace (Prevention, Prohibition and Redressal) Act, 2013" To this effect the contractor / agency shall submit an undertaking in the format as given in Schedule H. 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 of the Contractor / Agency shall ensure appropriate action under the said Act in respect to the complaint.</p> <p>*</p> <p>a) 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.</p> <p>b) The contractor shall be responsible for any monetary compensation that may need to be paid in case the incident involves the employees of the contractor, for instance any monetary relief to Bank's employee, if sexual violence by the employee of the contractor is proved.</p> <p>c) The contractor shall be responsible for educating its employees about prevention of sexual harassment at workplace and related issues.</p> <p>d) The contractor shall provide a complete and updated list of its employees who are deployed within the Bank's premises.</p>

Place:

Date:
contractor

Signature of



Section V

SPECIAL CONDITIONS OF CONTRACT

General	CLAUSE SC 1	
	i)	Special conditions of Contract shall be read in conjunction with the General Conditions of Contract, specifications of work, drawings and any other documents forming part of this contract, wherever the context so requires.
	ii)	Notwithstanding the sub-divisions of the document into separate sections, schedules, annexures etc., every part of each shall be deemed to be supplementary to and complementary of every other part and shall be read with and into the contract so far as it may be practicable to do so.
	iii)	Where any portion of the Special Conditions of Contract is repugnant to or at variance with any provisions of the General Conditions of Contract then unless a different intention appears, the provision(s) of the Special Conditions shall be deemed to override the provision(s) of the General conditions of Contract only of the extent that such repugnance or variations cannot and shall be to the extent that such repugnance or variance cannot be reconciled with the General Conditions of Contract.
	iv)	Wherever it is stated anywhere in this tender document that such and such supply is to be affected or such and such work is to be carried out, it shall be understood that the same shall be effected / carried out by the Contractor at his own cost, unless a different intention is specifically stated.
	v)	The items given in Schedule of Quantities shall be read in conjunction with materials and job specifications and relevant drawings.
Responsibilities of contractor	CLAUSE SC 2	
	i)	The CONTRACTOR shall be entirely responsible for executing the work covered under this Tender document in a safe, efficient and expeditious manner as per the time schedule, specifications, drawings and Renovation work aids equipment such as transportation equipment, tools and tackles as well as teasing appliances such as air compressors etc. and the necessary supervisory personnel, skilled, semi-skilled and unskilled labour shall be provided by the CONTRACTOR to achieve the monthly/weekly targets and the overall time schedule.
	ii)	The CONTRACTOR shall ensure that local labour, unskilled as well as skilled, to the extent possible and available from local resources are preferably employed on the work.
	iii)	All expenses towards mobilization at site and demobilization including bringing in equipment, work force, materials, dismantling the equipment, clearing the site, etc. shall be deemed to be included in the prices quoted and no separate payments on account of such expenses shall be entertained.



	iv)	It shall be entirely the CONTRACTOR's responsibility to provide, operate and maintain all necessary equipment, scaffoldings and safety gadgets, lifting tackles, tools and appliances to perform the work in a safe and efficient manner and complete all the jobs as per time schedules.
	v)	Preparing approaches and working area for the movement materials shall also be the responsibility of the CONTRACTOR. The CONTRACTOR shall acquaint himself with access availability etc. to provide suitable allowances in his quotation.
	vi)	The procurement and supply in sequence and at the appropriate time of all materials and consumables shall be entirely the CONTRACTOR's responsibility and his/her rates for execution of work will be inclusive of supply of all these items.
	vii)	Responsibility for obtaining all statutory approvals (if required) related to the work lies with the CONTRACTOR.
	viii)	The CONTRACTOR shall provide drinking water and other amenities at site for the contract workmen as per the statutory requirements at his own cost.
	ix)	CONTRACTOR shall take all steps to see that normal functioning of Working Office/Public life/ Public traffic is not affected/obstructed while executing the work. Stacking of materials, equipment, tools and vehicles involved in movement of equipment or materials should not make any hindrance for the movement of other vehicles and people.
	x)	CONTRACTOR shall be responsible for implementing the requirements of Maharashtra State Pollution Control Board (if any).
	xi)	The works to be undertaken by the Contractor shall inter-alia include the following:
	a)	Preparation of detailed SHOP drawings and AS BUILT drawings wherever applicable.
	b)	Pre-commissioning tests as per relevant standard specifications, code of practice, Acts and Rules wherever required.
	c)	Contractor shall provide all the shop drawings or layout drawings for all the coordinated services before starting any work or placing any order of any of the services etc. These shop drawings/layout drawings shall be got approved from Bank's Engineer before implementation and this shall be binding on the Contractor. The Contractor shall submit material submittals along with material sample for approval of Bank's Engineer prior to delivery of material at site.
	xii)	Wherever the 'basic rate' for the material is specified, the contractor shall furnish all the paid bills for Employer's verification. The purchase rate shall be got approved from the Bank's Engineer before purchasing. The adjustment in price shall be made only on measured quantity. No overhead and profit shall be considered on the cost difference. The basic prices are ex-godown and are excluding taxes, duties, etc., as well as transportation to site, loading, unloading,



		storing, insurance, labour, wastage and handling etc. The rate quoted for the items shall include above excluded parameters.
	xiii)	The contractor shall arrange visits of authorized official of the manufacturer whose materials (costing more than Rs 1 lakh) have been selected / approved by the Employer for the work to inspect the materials supplied/ available at site and whether the materials are being used as per the Manufacturer's Specifications and specified consumption standards and shall be required to submit a report on the manufacturer's letterhead addressed to Employer, under official seal, indicating the genuineness or otherwise of the material and its usage methodology. No additional payment on this account shall be considered.
Role of employer	CLAUSE SC 3	
	The Employer (Reserve Bank of India, Patna) shall administer and directly arrange for supervision of works, to test and examine any materials to be used or workmanship employed in connection with the works, monitoring of progress, inspection, certification of bills, making payments and implementation of various terms, conditions and stipulations of the contract.	
Architect	CLAUSE SC 4	
	Bidder / Contractor will provide the design and drawings. The scope of their work includes inter alia Planning & Designing and periodic inspection and supervision.	
Green Building requirements	CLAUSE SC 5	
	The Contractor shall adopt the construction practices and materials in line with the requirements specified in schedule 'G'. The Contractor shall strictly follow the instructions of Bank's Engineer in this regard.	
	CLAUSE SC 6	
Inspection of Site	The intending Tenderer shall be deemed to have visited the site and examined the Site and its surroundings and familiarized themselves thoroughly with the site conditions as to the nature of the ground and subsoil and the form and nature of the Site before submitting the tender. Non-familiarity with the site conditions will not be considered as reason either for extra claims or for not carrying out the work in strict conformity with the drawings and specifications. For site visit, the intending tenderer may contact the Employer.	
Services	CLAUSE SC 7	
	The Contractor shall take due and proper care during execution of telecommunication and fire alarm system work to protect Existing water/electric services from damage. In case, during the execution of work, the Contractor notices some services which require re-routing, the same shall be brought to the notice of the Bank's Engineer. As per the instructions of Bank's Engineer, further action for rerouting shall be undertaken. If the Contractor is advised by the Bank's Engineer to carry out the required re-routing, the work shall be treated as Extra item of work and shall be dealt as per the relevant clause of GCC.	
	CLAUSE SC 8	



Hanging over of site	i)	The Contractor shall be required to complete the following documentation with regard to the work within fourteen days from the date of award of work:	
		a)	Signing of the agreement on adequate value of Non Judicial stamp paper as per the approved format
		b)	Obtaining and submitting all the required Insurance Policies as specified in the relevant clause of General Conditions of Contract and of specified value mentioned in schedule 'F'
		c)	Submission of the specified Bank Guarantees mentioned in Schedule 'F' or submission of documentary evidence of having instructed his Banker to prepare the specified Bank Guarantee
		d)	Obtaining and submitting the original Labour License or submitting the documentary evidence of having applied to the statutory authority in the prescribed form for Obtaining the Labour License if applicable.
		e)	Submitting the details/ documents of the Contractor's site team as specified in relevant clause of General Conditions of Contract and schedule 'F' for obtaining approval of Bank's Engineer.
		f)	Submitting the detailed work programme as specified in the relevant clause of General Conditions of Contract for approval of the Bank's Engineer
		ii)	After complying to the above documentation and other statutory requirements required to be complied by the Contractor before start of work, the Contractor shall be handed over the possession of the site. The scheduled date of commencement of work shall be reckoned from the fourteenth day of the date of award of work or the date of handing over the possession of site (if delay is due to any reasons beyond the contractor's control), whichever is later. However, any delay in handing over the possession of site to the Contractor on account of non-submission of the above documents/ details shall not be considered for extension of time.
Drawings	CLAUSE SC 9		
	<p>The CONTRACTOR shall keep one copy of all drawings on the works and Employer or his representative shall at all reasonable time have access to the same. Before the issue of the final certificate to the CONTRACTOR he shall forthwith return to the EMPLOYER all drawings and specifications.</p> <p>Drawings accompanying the tender documents are indicative of the scope or work and issued for tendering purpose only. Detailed construction drawings on the basis of which actual execution of the work is to be proceeded will be furnished BY the CONTRACTOR progressively based on the approved programme after the award of the work. All the drawings be approved by Bank's competent authority GENERAL AMANAGER (TECH).</p>		
	CLAUSE SC 10		



Further drawings and Instructions	<p>The Bank's Engineer shall have full power and authority to amend the drawings to the Contractor from time to time during the progress of the Works such further drawings for adequate execution and maintenance of the Works and the Contractor shall carry out and be bound by the same.</p> <p>Any further drawings or specifications that may be required by the Contractor for execution of the work shall be requested by him to Bank's Engineer at least 15 days in advance.</p>	
Contractor's Barricades	CLAUSE SC 11	
	i)	Contractor shall erect and maintain at his own cost barricades required in connection with his operation to guard or protect the entire working area including storage, etc.
	ii)	Barricades and hazardous areas adjacent to but not located in normal routes of travel shall be marked with suitable red markers at night without any extra cost.
	iii)	The Contractor shall also comply with the provisions of Environment Protection Act with regard to air, water & noise pollution.
	iv)	The Contractor shall provide suitable construction safety nets to prevent damage to man / material at site without any extra cost
Site Facilities	CLAUSE SC 12	
	<p>CONTRACTOR shall arrange for storage space for keeping own tools/tackles and other materials for performance of work under this contract. Whereas space will be provided by the R B I free of cost, the safety and security including safety of materials for erection purpose as well as subsequent removal of the same on completion of 'Work' under this contract are sole responsibility of the CONTRACTOR.</p>	
	<p>Lighting The CONTRACTOR shall ensure that the entire site is provided with adequate lighting at all times when the renovation work is in progress. He shall also make additional arrangements for lighting for carrying out work at night, whenever required. All costs in this connection shall be borne by him.</p>	
	<p>Compressed Air The Contractor shall make his own arrangement for Portable compressors, pumps, temporary piping for compressed air, if required, for the work including all necessary accessories, fittings etc. at his own cost for cleaning, testing, flushing etc.</p>	
Construction/Renovation work Equipment	CLAUSE SC 13	
	<p>The CONTRACTOR shall without prejudice to his overall responsibility to execute and complete the work as per specifications and time schedule, progressively deploy adequate and appropriate equipment and tools and tackles and augment the same as decided by the Bank's Engineer depending on the requirements of the work so as to suit the work schedule. No equipment shall be supplied by the Employer.</p> <p>Contractor shall assess the actual requirement based on the quantum and nature of work and arrange to provide the same to achieve the progress as per the approved work programme.</p>	
	CLAUSE SC 14	



Plant etc. to be exclusively for use on the works	i)	All plants, tools and equipment and materials provided by the Contractor shall when brought on to the Site be deemed to be exclusively intended for the renovation work and completion of the Works and the Contractor shall not remove the same or any part thereof (save for the purpose of moving it from one part of the Site to another or moving it outside the site for repairs) without the previous consent in writing of the Bank's Engineer which shall not be unreasonably withheld.
	ii)	Clearance of Site on Completion: On completion of the Works the Contractor shall remove from the Site all the said Constructional Plant, tolls and equipment remaining thereon and any unused materials.
Care of works /plant/equipment	CLAUSE SC 15	
	<p>From the commencement to the completion of the Works/Plant/Equipment, the Contractor shall take full responsibility for the care thereof and in case any damage loss or injury shall happen to the Works/Plant/Equipment or to any part thereof from any cause whatsoever shall at his own cost repair and make good the same so that at completion the Works/Plant/Equipment shall be in good order and condition and in conformity in every respect with the requirements of the contract.</p> <p>Finished Flooring shall be protected by suitable means while carrying out any civil/electrical work either internally or externally and no extra cost.</p> <p>Mixing mortar / concrete shall not be permitted on bare slab / waterproofing IPS / tiles and the same shall be done on steel plates / mixing tubs / G.I. Trays. Any damage done to the flooring / IPS shall be rectified by the Contractor at his own cost and which shall be in the form of replacing the total flooring.</p> <p>Temporary used materials (e.g. Cable, pipe, valve etc.) shall not be used for permanent work. All the bought-out items supplied by the Contractor and billed to Employer shall be considered as Employer's Property and due care shall be taken for safety of these by the contractor till handing over of work.</p>	
Works to be carried out by licensed technicians under supervision of licensed Supervisors	CLAUSE SC 16	
	a)	All electrical works shall be carried out through a licensed Electrician under the supervision of licensed supervisor. The electrical connections carried out by the CONTRACTOR shall meet the statutory requirements. Changes, if any, as incorporated in the statutory rules and regulations from time to time shall be applicable to the electrical works done by the CONTRACTOR.
Quality Assurance and Quality Control	CLAUSE SC 17	
	i)	The reports of the test shall be submitted to the Bank's Engineer as and when the tests/ quality assurance & control checks are carried out as per the contract. The Bank's Engineer, after evaluation of the results of tests may decide to either reject or accept the respective materials/ works etc. In case of rejection, the Contractor shall have to replace the defective material/ work at the earliest without any additional cost.
	ii)	In case the CONTRACTOR fails to follow the instructions of Bank's Engineer in this regard, the Bank's Engineer may suspend the work till such time the quality of the work is ensured. No compensation for delays on account of such suspension of work shall be considered.



Materials at Basic Prices/ Basic rates	CLAUSE SC 18	
	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. The basic prices are ex-godown and are excluding taxes, duties, etc., as well as transportation to site, loading, unloading, handling, storing, insurance, labour, wastage and handling etc. The rate quoted for the items shall include above excluded parameters. (ex-Godown referred here will be dealer’s Godown or Rail head within the Municipal or city limits or the city where the work is being done).
	iii)	The 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 Rate/ Price, contractor’s overhead and profit @ 15% on the difference shall be considered for the Basic price/ Rate adjustment. While carrying out price adjustments, NO other components such as wastage, GST, transportation, handling, loading and unloading, storing, insurance, labour, etc. shall be taken in to account.
	v)	The 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.
Documents to be maintained at site	CLAUSE SC 19	
	a)	The Registers/ Documents specified at Schedule ‘D’ shall be maintained at site by the Contractor at his own cost and updated regularly.
	b)	These documents shall be available for inspection by Employer's representative or Bank’s Engineer or his representative during his site visit at all reasonable times.
	c)	After completion of work, the Contractor shall submit the duly completed registers/ documents along with all the drawings issued to him for construction purpose to the Bank’s Engineer before submission of the Final bill.
Progress Monitoring by the Bank’s Engineer	CLAUSE SC 20	
	i)	The contractor shall submit his programme for approval of Bank’s Engineer within 14 days from the date of award of work as specified in the relevant clause of the General Conditions of Contract.



	ii)	On the basis of the approved programme, the Bank's Engineer shall monitor/ review the progress through site meetings on monthly interval or earlier, as and when required. The meeting should be attended by the contractor himself (in case of proprietorship firm) or authorized partner/ senior official in case of partnership firm/ limited company along with contractor's site in-charge.	
	iii)	For this purpose, the contractor shall prepare and submit a progress report indicating following:	
		A	Progress for the previous month (duration under review) and the planning for the next month and materials received during the month (duration under review) and expected to be received during next month.
		B	The reasons for major deviations in planned schedule and the actual progress achieved along with any hindrances/ decisions required from the Employer/ Bank's Engineer.
		C	Statement of deployment of resources (men and machine) and variations, if any, from the planned schedule
		D	List of Variations / extra items if any carried out during the previous month (period under review)
Measurement, Billing and Terms of payment	CLAUSE SC 21		
	i)	The work shall be measured from time to time as provided in the General Conditions of Contract. The units of measurements shall be as defined in the specific item description in the Schedule of quantities. If for any item or part thereof, physical measurement is not practicable, measurements given in the execution drawings shall be adopted.(ii) As and when the Contractor feels that the gross value of work done after adjustment of the value of work already received in any previous bill and adjustment of advances, if any, has crossed the threshold value specified in the Schedule 'F' for Running Account Bill, he may raise a bill and submit to the Bank's Engineer for payment. The bill shall invariably be accompanied with following documents:	
		a)	The signed measurements, as specified in the General Conditions of Contract.
		b)	The progress reports of the concerned period.
		c)	Test certificates/ reports of any material considered for the first time in the Contractor's bill
		d)	Checklist indicating validity of the labour license, all the Insurance Policies, PBGs
		e)	Documents evidencing the price of materials (eg Tax paid vouchers etc.) considered in the bill where Basic Rates are mentioned, as applicable.
		f)	Delivery challans of the materials.
	ii)	The Bank's Engineer reserves the right to refuse to accept the Running Account bill, if any of the document as above is not submitted along with the bill.	



	iii)	Once the bill is received along with all the required documents, the Bank's Engineer shall arrange to process the bill and the payments due to the Contractor shall be released through NEFT within the specified period for honoring the certificates.
	iv)	After completion of work and completing all the contractual responsibility, the measurement sheets shall be signed jointly by the Contractor or his authorized representative and Engineer-in-charge or his authorized representatives. The Contractor shall then submit the Final bill to the Bank's Engineer. The Final Bill shall necessarily be submitted along with the following documents:
	a)	The signed measurements, as specified in the General Conditions of Contract.
	b)	The copy of last progress report, evidencing the completion of work.
	c)	Test certificates/ reports of any material considered for the first time in the Contractor's bill
	f)	Checklist indicating validity of the labour license, all the Insurance Policies, PBGs
	g)	Documents evidencing the price of materials (eg. Tax paid vouchers etc.) considered in the bill where Basic Rates are mentioned, as applicable.
	h)	Delivery challans for the materials
	j)	All the required documents of Guarantees/ warranties (eg Water proofing and electrical equipments, etc. as mentioned in the specifications of respective items)
	k)	"No claim" certificate by the Contractor except as included in the Final bill.
	l)	Completion plans/ drawings/ details as specified in the General Conditions of Contract
	v)	The Bank's Engineer reserves the right to refuse to accept the Final bill, if any of the document, as above, is not submitted along with the bill.
	vi)	Once the Final bill is received along with all the required documents, the Bank's Engineer shall arrange to process the bill and the payments due to the Contractor shall be released through NEFT within the specified period for honoring the certificates. No revised Final Bill shall be considered by the Employer.
	vii)	All statutory deductions shall be made from the payments due to the Contractor.

Place:

Signature of the Contractor

Date:



Section VI: Technical Specifications for Merger - Civil and Electrical Works

Section VI (a) : CIVIL WORKS

(i) Technical Specifications

1. The work in general shall be carried out as per the latest CPWD specifications 2019 Vol. 1 & 2 with up to date correction slips, unless otherwise specified in the description of the individual item. In case any item is not covered in any of these documents, the same shall be carried out as per the latest relevant BIS codes in practice or as per approval of Bank's Engineer.
2. For Non DSR Items, Technical specifications specified in tender documents may be followed.
3. Water proofing guarantee: The water proofing work shall carry five years guarantee to be reckoned from the date of completion of the entire work under the contract against faulty workmanship, finishing, unsound materials, efficiency of water proofing treatment and other related problems. Five years Guarantee bond in prescribed Performa attached herewith as Annex XI shall be submitted by the contractor which shall also be signed by both the specialized agency and the contractor to meet their liability / liabilities under the guarantee bond. However, the sole responsibility about efficiency of water proofing treatment shall rest with the main contractor.

Note:

1. 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 Bank's Engineer.
2. The demolition shall always be well planned beforehand. The operations shall be got approved from the Bank's Engineer before starting the work.
3. Necessary precautions shall be taken to keep noise and dust nuisance to the minimum. All work needs to be done under the direction of Bank's Engineer. Helmets, goggle, safety belts etc. should be used whenever required and as directed by the Bank's Engineer.
4. The demolition work shall be proceeded with in such a way that it causes the least damage and nuisance to the adjoining area / working office/ services.
5. Dismantling shall be done in a systematic manner.
6. 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 site boundary. All unserviceable materials, rubbish etc. shall be disposed of out of premises as directed by the Bank's Engineer at place permitted by municipal authority.



7. No demolition work should be carried out at night.
8. Safety belts shall be used by laborers while working at higher level to prevent falling from the structure.
9. First-aid equipment shall be got available at all demolition works of any magnitude.

(ii) Mode of Measurements

The mode of measurements in general shall be carried out as per the latest CPWD specifications 2019 Vol. 1 & 2 with up to date correction slips, unless otherwise specified in the description

of the individual item. In case any item is not covered in any of these documents, the same shall be carried out as per the latest relevant BIS codes in practice or as per approval of Bank's Engineer.



Section VI (b) : Technical Specifications for ELECTRICAL

I. Dismantling Works (Related to Electrical Work)

All the dismantling work should be done carefully.

ELECTRICAL MATERIAL SPECIFICATION

ELECTRICAL INSTALLATION:

The whole of the electrical installation shall be carried out by a registered licensed Electrical Contractor's firm.

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

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

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

1. LIGHT FIXTURES & FANS

1.0 Scope

- 1.1 The scope of work shall cover the supply, installation and testing of LED light fixtures and wall bracket fans.

2.0 Standards

- 2.1 The following standards and rules shall be applicable:

- 1) IS 3646-1968 Code of practice for interior illumination.
- 2) IS 1913-1969 General and safety requirements for electric lighting fittings.
- 3) Indian Electricity Act and Rules issued thereunder.

- 2.2 All codes and standards mean the latest. Where not specified otherwise the installation shall generally follow the Indian standard codes of practice or the relevant British standard codes of practice absence of Indian Standard.

3.0 General Requirements



- 3.1 All fixtures shall be complete with accessories and fixing necessary for installation whether so detailed under fixture description or not.
- 3.2 Fixture housing, frame or canopy shall provide a suitable cover for the fixture outlet box or fixture opening.
- 3.3 Fixtures shall be installed at mounting heights as detailed on the drawings or instructed on site by the R.B.I. Engineer.
- 3.4 Fixtures and / or fixture outlet boxes shall be provided with hangers supporting conduit to adequately support the complete weight of the fixture. Design of hangers and method of fastening other than shown on the drawings or herein specified shall be submitted to the R.B.I. Engineer for approval.
- 3.5 Pendant fixtures within the same room or area shall be installed plumb and at a uniform height from the finished floor. Adjustment of height shall be made during installation as per Drawings.
- 3.6 Flush mounted and recessed fixtures shall be installed so as to completely eliminate light leakage within the fixture and between the fixture and adjacent finished surface.
- 3.7 Fixture mounted on outlet boxes shall be tightly secured to a fixture stud in the outlet box. Extension pieces shall be installed where required to facilitate proper installation.
- 3.8 Fixture shall be completely wired and constructed to comply with the regulations and standards for Electric Lighting Fixtures, unless otherwise specified. Fixtures shall bear manufacturer's name and the factory inspection unless otherwise approved.
- 3.9 Wiring within the fixture and for connection to the branch circuit wiring shall be not less than 2.5 sq. mm copper for 250 volt application. Wire installation shall suit the temperature conditions inside the fixture and wires bypassing the choke shall be heat protected with a heat resistant sleeve. Suitable 10/20A PVC insulated terminals shall be provided for looping purpose.
- 3.10 Metal used in lighting fixtures shall be not less than 22 SWG or heavier if so required to comply with the specification or standards. Sheet steel reflectors shall have a thickness of not less than 20 SWG. The metal parts of the fixtures shall be completely free from burrs and tool marks. Solder shall not be used as mechanical fastening device for any part of fixture.
- 3.11 Ferrous metal shall be given a corrosion resistant phosphate treatment or other approved rust inhibiting prime coat to provide a rust proof base before application of finish.
- 3.12 Non - reflecting surfaces such as fixture frames and trim shall be finished in baked enamel paint.



- 3.13 Light reflecting surface shall be finished in baked white enamel having a reflection factor of not less than 80 %. All parts of reflector shall be completely covered by finish and free from irregularities. After finish has been applied and cured, it shall be capable of withstanding a 6 mm radius bend without showing sign of cracking , peeling or loosening from the base metal. Finish shall be capable of withstanding 72 hours exposure to an ultraviolet sun lamp placed 10 cm from the surface without discoloration, hardening or warping and obtain the same reflection factor after exposure. Test result shall be furnished for each lot of fixtures.
- 3.14 Fixture with visible frames shall have concealed hinged and catches. Pendant fixtures and lamp holders shall be provided with ball type aligners or similar approved means. Recessed fixtures shall be constructed so as to fit into an acoustic tile ceiling or plaster ceiling without distorting either the fixture or the ceiling plaster rings / flanges shall be provided for plaster ceiling. Fixture with hinged diffuser doors shall be provided with spring clips or other retaining device prevent the diffuser from moving.
- 3.15 Detailed catalogue cuts for all fixtures, or if so requested by the R.B.I. Engineer sample fixtures shall be submitted for approval to the Architect Consultant before orders for the fixtures are placed. Shop drawings for non-standard fixture type shall be submitted for approval to the Architect / Consultant.
- 3.16 Recessed fixtures shall be constructed so that all components are replaceable without removing housing from the ceiling.
- 1) Lamps shall be supplied and installed in all lighting fixtures.
 - 2) Lamps used for temporary lighting service shall not be used in the final lamping of fixtures units.
 - 3) Lamps types & wattage as shown on the drawing and schedule.
 - 4) Lamps for permanent installation shall not be placed in the fixtures until so directed by the R.B.I. Engineer, and this shall be accomplished directly before the building portions are ready for occupation.

4.0 LED fittings

- 4.1 Only single and / or two lamp ballasts shall be used in any one fixture. Ballasts shall be completely enclosed inside sheet casing and shall have a corrosion resistant finish. Ballast shall contain a thermosetting type compound not subject to softening or liquefying under any operating conditions or upon ballast failure. Compound shall not support combustion. All ballasts shall be of high power factor compensated to above 0.9 PF. Ballast temperature and sound rating shall be specified by the manufacturer and guaranteed. Ballasts shall be for operation at the voltages and frequencies indicated and under temperature conditions prevailing in the various locations of the premises. Tapped ballasts are preferred.



- 4.2 All LED fixtures shall be provided with separate wiring channel with cover plate and an earth terminal. All screws shall be chromium brass screws. Lamps and starter holders shall be out of tough molded plastic with spring loaded rotor type contractors rendered shock and vibration proof. Condensers shall be low loss paper impregnated hermetically sealed complying with IS 1969. Internal shall be neatly clipped and where by passing the ballast, a suitable heat resistant barrier or sleeve shall be provided.
- 4.3 Surface mounted fixtures longer than two feet need additional point of support besides the outlet box fixture stud when installed individually. Pendant individually mounted fixtures four feet long and smaller shall be provided with twin stem / conduit hangers. Stems shall have ball aligners or similar devices and provided for a minimum of 25 mm vertical adjustment. Stems shall be of appropriate length to suspend fixtures at required mounting height.
- 4.4 Lamps shall have BI - pin bases.

5.0 Ceiling Fans

- 5.1 Ceiling fans shall be complete with fan suspension stem canopies and regulators. 30 cm suspension stem shall be standard accessory and stems shall be heavy duty galvanized steel tubes to IS 1239-1958.
- 5.2 Fans shall be mounted on a hook with hard rubber. Regulators shall be no - stop type mounted in the switch box. The box in all such cases shall be large enough to accommodate the regulator and switches. One sample box with top cover shall be got approved before procurement.

6.0 Mode of measurement

- 6.1 Each fixture shall be measured as a unit complete with accessories, lamp, connectors, ear thing, clamps, etc.
- 6.2 Suspension for light fittings by Conduit / Chain shall be measured in installation of Light fitting items.
- 6.3 Ceiling Fans shall be measured as a unit complete with all accessories, 30 cm suspension rods, fan hook, etc.

2. **CONDUIT WIRING**

1.0 Scope

- 1.1 The scope of work shall cover supply, installation, testing and commissioning of all conduit wiring.

2.0 Standards

- 2.1 The following standards and rules shall be applicable.

- 1) IS: 732 Code of Practice for Electrical wiring installation (System voltage not exceeding 650V)



- 2) IS: 1646 Code of Practice for fire safety of buildings (General) Electrical Installation.
- 3) IS: 3480 Flexible steel conduits for electrical wiring.
- 4) IS: 3837 Accessories for rigid steel conduit for electrical wiring.
- 5) IS: 694 PVC insulated cables.
- 6) IS: 6946 Flexible (Pliable) non-metallic conduits for electrical installation.
- 7) IS: 1293 3 Pin plugs and sockets.
- 8) IS: 8130 Conductors for insulated electric cables and flexible cord.
- 9) IS: 9537 Specification for conduits for Electrical installation.
- 10) Indian Electricity Act 1910 and rules issued thereunder.
- 11) Regulations for the electrical equipment in buildings issued by the Tariff Advisory Committee of the Insurance Association of India.

2.2 All standards and codes mean the latest.

3.0 Rigid and Flexible conduits – As Specified

3.1 Conduits can be

- i) Mild steel : black enameled
- ii) Mild steel : galvanized
- iii) Rigid PVC as specified and required by the schedule of work. Wall thickness in each case shall be as follow:

STEEL Black enameled Galvanized PVC

Minimum wall thickness

(a)	Up to 32 mm Dai mm	1.4 to 1.8	Up to 25	2.1
(b)	Over 32 mm Dai mm	1.6 to 2.2	32 & over	2.8

3.2 PVC conduits shall be used only where ever specified.

3.3 Flexible conduits shall be formed from a continuous length of spirally would interlocked strip steel with a fused zinc coating on both sides. The conduit shall be terminated in brass or PVC adaptors. PVC flexible shall not be used.



4.0 Accessories

- 4.1 Conduit fittings such as bends, elbows, reducers, chase nipples, split couplings, plugs, etc. shall be heavy duty specifically designed and manufactured or their particular application and in accordance with relevant I.S.S. Wherever galvanized conduits are specified in the schedule of work, the fittings also shall be galvanized;

5.0 Wires

- 5.1 All wires shall be single core multi - strand copper FRLS insulated to IS : 694 and shall be 110 V grade as specified and required in the Schedule of work.
- 5.2 All wires shall be colour-coded as follows:

Phase	Colour of wire
R	Red
Y	Yellow
B	Blue
N	Black
Earth	Green (insulated)
Control (If any)	Grey

6.0 Switches & Sockets

- 6.1 Switches shall be moulded type of modular design with silver-plated contacts. Sockets shall be 3 pin & earth with switch & plate type. All switch mounting shall be 16 SWG galvanized steel or PVC specially made as specified for the switches and sockets used. Combination of multiple switch units and sockets should be used in appropriate manner to minimize the switch boxes.
- 6.2 Weather and waterproof switches/sockets shall be used in all outdoor location.
- 6.3 For heavy duty, metal clad sockets with M.C.B. isolator mounted in a galvanized steel box shall be provided.

7.0 Installation

- 7.1 The size of conduit shall be selected in accordance with the number of wires permitted under table given below. The minimum size of the conduit shall be 20 mm Dia unless otherwise indicated or approved. Size of wire shall be not less than 1.5 sq.mm Copper or 2.5 sq.mm Copper, but as specified in the schedule of work.



Nominal Dia of Wires (mm)	Cross sec. Area (sq.mm)	20 mm		25 mm		32 mm		38 mm	
		S	B	S	B	S	B	S	B
1/2.40	1.50	4	3	8	6	15	9	-	-
1/2.80	2.50	4	2	6	4	10	8	-	-
1/2.24	4.00	2	2	4	3	8	6	-	-
1/2.80	6.00	1	-	4	3	6	6	-	-
1/3.55	10.00	1	-	3	2	5	4	6	5

S-runs of conduits which have distance not exceeding 4.25m between draw boxes & which do not deflect from the straight by an angle more than 15 degree.

B-runs of conduits which deflect from the straight by more than 15 degree.

7.2 Conduits shall be kept at a minimum of 100mm from the pipes of other non-electrical services.

7.3 Separate conduits/raceways shall be used for each of the following as specified:

- Normal outlets - 15 A 3-pin sockets on lighting circuit.
- Power outlets - 20 A 3-pin 20 A/30 A 2-pin + scraping earth metal clad sockets.
- Telephone &
- Call bell wiring.

7.4 Conduit layout shall be generally as indicated on drawings and the layout shall be supplemented and complemented by Contractor on site with the approval of the Engineer. Wiring for short extensions to outlets in hung ceiling or to vibrating equipment, motor, etc., shall be installed inflexible conduits. Otherwise rigid conduits shall be used. No flexible extension shall exceed 1.25 m.

7.5 Conduits run on surfaces shall be supported on metal 6 mm thick saddles which in turn are properly screwed to the wall or ceiling. Saddles shall be at intervals of not more than 500 mm. Fixing screws shall be with round or cheese head and of rustproof materials. Exposed conduits shall be neatly run parallel or at right angles to the walls of the building. Unseemly conduit bends and offset shall be avoided by using fabricated mild steel junction / pull through boxes for better appearance. No crossover of conduits shall be allowed unless it is necessary and entire conduit installation shall be clean and neat in appearance.

7.6 Conduits embedded into the walls shall be fixed by means of staples at not more than 500 mm intervals. Chases in the walls shall be neatly made and refilled after laying the conduit and brought to the finish of the wall but final finish will be done by the building Contractor / client.

7.7 Conduits buried in concrete structure shall be put in position and securely fastened to the reinforcement and got approved by the Engineer, before the



concrete is poured. Proper care shall be taken to ensure that the conduits are neither dislocated nor choked at the time of pouring the concrete.

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

- 7.8 Inspection boxes shall be provided for periodical inspection to facilitate with drawl and removal of wires. Such inspection boxes shall be flush with the wall or ceiling in the case of concealed conduits. Inspection boxes shall be spaced at not more than 12 meters apart or two 90 degree solid bends or equal. All junction and switch boxes shall be covered by 6 mm clear Perspex plate truly cut and fixed with cadmium plated brass screws. These junction boxes shall form part of point wiring or conduit wiring as the case may be including the cost of removing the Perspex cover for painting and re-fixing.
- 7.9 Conduits shall be free from sharp edges and burrs as and the threading free from grease or oil. Conduit ends shall be threaded to a minimum length of 15 mm so as to provide sufficient length of thread for proper grip and continuity.
- 7.10 An insulated earth wire of not less than 2.5 sq.mm Copper shall be run in each conduit as specified in the Schedule of work.
- 8.0 Lighting & Power Wiring
- 8.1 All final branch circuits for lighting and appliances shall be single conductor cables run inside conduits. The conduit shall be properly threaded and screwed into sockets, bends and junction boxes. No part of the wiring shall be open without a suitable conduit piping.
- 8.2 Branch circuit conductor sizes shall be as shown in the schedule of quantities and or drawings.
- 8.3 Final branch circuits shall preferably be kept in a separate conduit up to the Distribution Board. No other wiring shall be bunched in the same conduit except those belonging to the same phase. Each lighting branch circuit shall not have more than ten outlets or 800 watts, whichever is lower or as shown on drawings. Each conduit shall not hold more than three branch circuits.
- 8.4 Flexible cords for connection to appliance, fans and pendants shall be 660/1000V grade (three or four cores i.e. with insulated neutral wire of same size) with tinned stranded copper wires, insulated, twisted and sheathed with strengthening cord. Colour of sheath shall be subject to the Engineer's approval.
- 8.5 Looping system of wiring shall be used. Wires shall not be joined. Where joints are unavoidable, they shall be made through approved mechanical connectors. No such joints shall be made unless the length of the sub-circuit, sub main or main is more than the length of the stranded coil.
- 8.6 Control switches shall be connected in the phase conductors only and shall be 'ON' when knob is down. Switches shall be fixed in 2mm thick galvanized steel



boxes with cover plates as specified. Cadmium plated brass screws shall be used.

8.7 Power wiring shall be distinctly separate from lighting wiring. Conduits not less than 25 mm and wires not less than 2.5 sq. mm Copper shall be used as specified in the Schedule of work.

8.8 Every conductor shall be provided with identification ferrules at both ends matching the drawings.

9.0 **Testing**

9.1 The entire installation shall be tested for:

a) Insulation resistance

(i) Between phases.

(ii) Between each phase and earth.

b) Earth continuity

c) Polarity of single pole switches.

No installation shall be commissioned unless and until the insulation resistance is 2.0 Mega ohms or less between phase and neutral. All tests shall be witnessed by the Bank's Engineer and attested.

A test certified shall be submitted as per IS 732.

10.0 **Mode of measurement**

10.1 The final sub circuit wiring commencing from the distribution board till the first switch box or light fitting shall be measured as one point.

10.2 The secondary point wiring shall be in accordance with drawing and should include wiring from 10.1 onwards together with all junction boxes, connectors, earth-wire, fixing accessories connection to all light fittings switches etc., as specified and shown on drawings. Measurements shall be along the conduit and concurrent length of sub-circuit wiring shall not form part of the point wiring for purposes of assessment of point length.

10.3 All Modular switches sockets with boxes, ear thing interconnection and plate type silver contact switch shall be paid for per unit of 1 switch, 2 switch, 3 switch, 4 switch units, 10 A, 20 A switch-sockets, 20 A / 30 A / 60 M.C. sockets & MCB shall be paid extra.

10.4 All empty conduit runs, including junction boxes fish wire etc., shall be paid on the basis of unit length.



10.5 Two way points shall be classified as separate point and shall consist of 2 Nos. 2 way plate type Modular switches, wiring from the 1st 2 way switch to the 2nd 2 way switch to the first light controlled. Subsequent lights, if any shall be measured as ordinary points according to the length.

10.6 Staircase lighting shall be measured as shown in the schedule of work.

1.0 Scope

1.1 The scope of work shall cover the supply, installation, testing and commissioning of all power panels, incorporating circuit breakers, switch fuses, bus bars, interconnections, earthing, etc., meeting the requirements shown in equipment schedule and the drawings.

2.0 Standards

2.1 The following standards and rules shall be applicable:

- 1) IS: 2516-1972 Specification for AC circuit breakers.
- 2) IS: 4047-1977 Specification for heavy duty air breaker switch gear & fuses for voltage not exceeding 1000V.
- 3) IS: 1818-1972 Specification for AC isolator and earthing switches.
- 4) IS: 3072-1975 Code of Practice for installation and maintenance of switch gear.
- 5) IS: 3106-1966 Code of Practice for selection, installation and maintenance of fuses (Voltage not exceeding 650 V)
- 6) IS: 4237-1967 General requirements for switch gear and control gear for voltage not exceeding 1000V.
- 7) IS: 2607-1976 Air break isolators for Voltages not exceeding 1000V.
- 8) IS: 8623-1977 Specification for factory built assemblies of switch gear and control gear for voltages up to and including 1000V AC & 1200 VDC.
- 9) Indian Electricity Act and Rules.

All codes and standards mean the latest. Where not specified otherwise the installation shall generally follow the Indian Standard Codes of Practice or the relevant British Standard Codes of Practice in the absence of corresponding Indian Standards.

3.0 Circuit Breakers

3.1 Circuit breakers shall be air break horizontal draw out type fully interlocked and meeting the requirements of IS:2516 or BS:3659. Breakers shall not be rated for a medium voltage of 600 V and rated full load current as indicated on drawings. Breaker shall be capable of making and breaking system short circuits specified.



3.2 Breakers shall be unless specified otherwise manually operated, complete with front-of-the panel operating handle, isolating plug with safety shutters, mechanical ON/OFF indicator, silver plated arching and main contacts, are chutes, trip free operation. Breakers shall be capable of being racked out into `testing`, `Isolator` and `Maintenance` positions and kept locked in any position. Breakers for operation shall be motor operated spring charged.

4.0 MCCBs

4.1 Moulded cases circuit breakers shall be standard products of established manufacturers and shall conform to BS: 3871. Breakers shall be rated for system short circuit levels and if unavoidable, backed up by HRC fuses. Breakers shall incorporate thermal and magnetic Trips unless shown otherwise in the drawings.

5.0 Switch fuse units & Disconnects

5.1 Switch fuse units shall have quick-make, quick-break silver plated preferably double break contacts with operating mechanism suitable for rotary operation in the case of cubicle mounting. All switches shall be rated according to the equipment schedule or drawings and shall withstand the system prospective fault current let through. Cam operated rotary switches with adequate terminal adapters up to 25A are acceptable but for all higher rating switch fuse units shall be heavy duty type conforming to IS 4047.

5.2 Fuse shall be HRC cartridge type conforming to IS:2208 with a breaking capacity corresponding to system fault level Fuses shall be link type with visible indication. Screw type Bottle fuses are not acceptable for any rating.

5.3 All disconnects shall consist of switch units quick-make, quick-break type with silver plated contacts. The switches shall preferably have double breaks. The switches shall preferably have sheet steel enclosure, which in turn is mounted on angle iron frame work. In wet locations, switches shall have cast iron enclosures. Disconnects shall have a minimum breaking capacity of 5 KA at 415 Volts.

6.0 Instrument Transformers, Meters and Relays

6.1 Ammeters and voltmeters shall have moving iron spring controlled dead-beat elements in square bezel flush type cases 96 mm in size and suitable for switch board mounting. Meters shall conform to BS:89 and have grade `A` accuracy. Scale ranges shall meet with the requirements or as indicated on the drawing or in the schedule of quantities.

6.2 Energy meter shall be two element switch board mounting type suitable for unbalanced loads. Meters should incorporate a KVA demand meter with an integration time of 30 minutes. Meters shall conform to BS:37. The energy meters for DG Set and transformer shall be calibrated and got certified by the respective electricity authority.

7.0 Cubical Boards



- 7.1 All boards shall be combination of 14 & 16 SWG sheet steel, free standing, extensible, totally enclosed, dust tight, vermin-proof cubicle, flush dead front and modular construction suitable for 3 phase 415V 4 wire 50 Hertz system. All boards shall be accessible from the front for the maintenance of switch fuses, bus bars, cable terminations, meters, etc. Cables shall be capable of entering the board both from top as well as bottom. All panels shall be machine pressed with punched opening for meters, etc. All sheet steel shall be rust inhibited through a process of degreasing acid pickling, phosphating, etc. The panels shall be finished two coats of synthetic enamel of approved colour applied over one coat of red oxide primer. Engraved plastic labels shall be provided indicating the feeder details, and capacity and danger signs.
- 7.2 The boards shall accommodate air insulated bus bars, air circuit breakers, switch fuse units with HRC fuses, starters, necessary meters, relays contractors, etc. as required and arranged in suitable tiers. All breakers and switch fuses shall be suitably dated taking into account specified ambient temperature and ruling temperature inside the cubicle.
- 7.3 The switch board shall be fully compartmentalized in vertical tiers housing the feeder switches in totally enclosed independent compartments. Each compartment shall be self-sufficient with switch unit, fused, contractors, relays, indicating lamps and an inter-locked door with facility for padlocking. Each feeder must terminate in an independent labeled terminal block. Strip type terminal block accommodating several feeders together is not acceptable. Pressure clamp type terminals suitable for Aluminium wires may be used up to switches of 25A and cable lugs for higher ratings. All terminations shall be shrouded in an approved manner. The entire enclosure shall meet with IS: 2147-1962. Feeder connections shall be UT of solid insulated Copper/ Aluminum wires or strips with bimetallic clamps wherever required. Internal wiring, bus bar markings etc., shall confirm to IS: 375 / 1963. Internal wiring shall have terminal ferrules.

Main switch should be at an easily accessible height and the highest switch operating handle should not be over 1.75m from floor level. Cable glands need not form part of the switch board as the cost of glands will form part of the cable termination.

8.0 Bus bars

- 8.1 Bus bars shall be three phase and neutral and of copper or Aluminum alloy as specified and shown on drawings and rated for a temperature rise of 30 deg. Cover the ambient temperature specified, based on insulated conductor rating (IS: 80841976). Neutral bars may be of one half the size of the phase bars. The main horizontal bus bars shall be of uniform cross section and rated in accord with the incoming switch. The vertical bus bars for the feeder columns may be rated at 75% of aggregate feeder capacity and shall of be uniform size. Bus bars and interconnections shall be taped with PVC colour coded tape to prevent bar-to-bar accidental shorts. Each bus bar shall be directly and easily accessible on removal of the front cover. Bus bars shall be totally enclosed, shrouded and supported on nonhygroscopes insulator blocks to withstand thermal and dynamic overloads during system short circuits. An earth bus of size 50% of the phase subject to the following maximum and minimum shall be provided. Individual switch components shall be connected with the earth



bus through Copper or Aluminum or galvanized steel strip size as shown. All wire connections to bars shall be through lugs, bolts and nuts and spring washers.

	Copper	Aluminium	Galvanized Steel
Minimum	6.5 sq. mm	10 sq. mm	16 sq. mm
Maximum	65 sq. mm	120 sq. mm	200 sq. mm

The minimum size of earth bar in a board shall however be 15x3 Cu or 25x3 Al or equivalent.

9.0 Isolators

9.1 Isolators shall be fixed on wall on self-supported angle iron framework as required and mounted as near to the motor as possible. Where several motors are installed, isolators, if required, shall be provided at a central location on a common framework.

9.2 Painting, ear thing and labels shall be provided as generally indicating for MV Switchgear and shown on drawings.

10.1 Earthing

10.1 All switches panels shall be provided with an earth bar as specified.

10.2 Ear thing of the switchboards shall be through the equipment ear thing system provided in the building with two-earth connection as shown.

11.0 Installation

11.1 All panels shall be supported on MS channels incorporated in the panel during the fabrication. All such supports shall be prime coated with two finish coats after completion of the work. All panels shall be touched up for damaged painting.

11.2 All panels shall be megger phase to phase and phase to neutral using a 1000V megger with all outgoing feeders in closed position. The megger value should not be less than 2.5 megaohms between phases and 1.5 mega ohms between phases and neutral.

11.3 Fabrication drawings of all panels shall be approved by the Consulting Engineers before fabrication.

12.0 Testing & Inspection

12.1 All switchboards shall be factory inspected before finishing and dispatch. Certificate for all routine and type tests for circuit breakers in accordance with the IS: 2516-1963 shall be furnished. In addition, all panels shall be meggered phase to phase and phase to neutral, using a 1000V megger with all switchgear in closed position. The megger value should not be less than 2.5 mega ohms between phases and 1.5 mega ohms between phase and neutral.

12.2 All meters shall be calibrated and tested through secondary injection testes.



12.3 All field tests shall be witnessed by Bank and recorded.

13.0 Mode of measurement:

13.1 Panels will each be considered as one unit for the purpose of measurement and shall include the following:

- i) Incoming and outgoing feeder terminals.
- ii) Interconnections and controls and instrument wiring with necessary protective fuses.
- iii) Meters Relays, Indicating lamps, CT's control fuses etc.
- iv) Supporting structure, sheet steel enclosure.
- v) Installation and testing.

13.2 Isolators shall each be measured as on unit complete with:

- i) Mounting frame
- ii) Switch / fuse

13.3 Earthing of the Panel / Isolator from the equipment earthing system will be measured separately and paid at unit rates.

13.4 Outgoing and incoming feeder terminations will be paid for at the unit rates separately as specified under cabling.

4. MEDIUM VOLTAGE CABLING

1.0 Scope

1.1 The scope of work shall cover supply, laying connecting, testing and commissioning of low and medium voltage power and control cabling.

2.0 Standards

2.1 The following standards and rules shall be applicable:

1) BS: 6346 PVC insulated mains

2) I.E.E. Wiring regulations

All codes and standards mean the latest. Where not specified otherwise the installation shall generally follow the British Standard Codes of Practice.

3.0 Cables

3.1 All cables shall be 1100-Volt grade PVC insulated sheathed with or without steel armoring as specified and with an outer PVC protective sheath. Cables shall have high conductivity stranded Aluminum or Copper conductor and cable core color coded to the Indian Standards.



- 3.2 All cables shall be new without any kinks or visible damage. The manufacturer's name, insulating material, conductor size and voltage class shall be marked on the surface of the cable every 600 mm centers.
- 4.0 Installation
- 4.1 Cables shall be laid in the routes marked in the drawings. Where the route is not marked, the Contractor shall mark it out on the drawings and as soon as possible on the site and obtain the approval of the R.B.I. Engineer before laying the cable. Procurement of cables shall be on the basis of actual site measurements and the quantities shown in the schedule of work shall be regarded as a guide only.
- 4.2 Cables running indoors shall be laid on walls, ceiling, inside shafts or trenches. Single cables laid shall be fixed directly to walls or ceiling and supported at not more than 500 mm by G.I. spacer & G.I. clamp, cable angle iron support, etc. Where number of cables is run, necessary perforated cable trays if specified shall be provided where shown. Perforated trays shall be steel or Aluminium as specified in the schedule of work and supported on mild steel framework as shown on drawings or as approved. Cables laid in built-up trenches shall be on steel supports. Plastic identification tags shall be provided at every 30 m.
- 4.3 Cables shall be bent to a radius not less than 12 (twelve) times the overall diameter of the cable or in accordance with the manufacturer's recommendations whichever is higher.
- 4.4 In the case of cables buried directly in ground, the cable route shall be parallel or perpendicular to roadways, walls etc. Cables shall be laid on an excavated, graded trench, over a sand or soft earth cushion to provide protection against abrasion. Cables shall be protected with brick or cement tiles as shown on drawings. Width of excavated trenches shall be as per drawings. Backfill over buried cables shall be with a minimum earth cover of 600mm. The cables shall be provided with cable markers at every 35 meters and at all loops/points.
- 4.5 The general arrangement of cable laying is shown on drawings. All cables shall have one length from panel to panel without any joints or splices. Cables shall be identified at end terminations indicating the feeder number and the Panel/Distribution board from where it is being laid. All cable terminations for conductors up to 4 sq. mm may be insertion type and all higher sizes shall be tinned copper crimp type lugs. Cable terminations shall have necessary brass glands. The end termination shall be insulated with a minimum of six half-lapped layers of PVC tape. Cable armoring shall be earthed at both ends.
- 5.0 Testing
- 5.1 MV cables shall be tested upon installation with a 500V Megger and the following readings established.
- 1) Continuity on all phases.
 - 2) Insulation Resistance
- (a) Between conductors



(b) All conductors and ground

All test readings shall be recorded and shall form part of the completion documentation.

6.0 Mode of measurement

6.1 Cables will be measured on the basis of common rate per unit length indoor or outdoor and shall include the following:

For cables laid indoors:

- i) G.I. spacer, Clamp & angle iron cable support.
- ii) Installation, commissioning and testing
- iii) Cable marking

OR

For cable buried underground:

- i) Cables and protective bricks & tiles
- ii) Installation, commissioning & testing
- iii) Cable markers

6.2 Cable trays/racks will be measured on the basis of unit length for individual sizes and shall include.

- i) Perforated trays on M.S. framing ladder wall support or ceiling suspenders.
- ii) Installation and painting in 2 coats of black bituminous paint on one coat of red oxide primer.

6.3 Each cable termination will be measured as one unit for payment. Certain cable sizes are grouped together and rates shall be furnished against each group. The item shall include the following:

- i) Cable glands, lugs, bolts, nuts ii) All jointing materials iii) Installations, testing and commissioning.
- iv) Earthing the glands.

6.4 For cables buried underground, excavation shall be paid for additionally for the following per unit volume:

- i) Excavation and back filling.
- ii) 6" soft earth cushioning below and above cable.

The cost of laying protective tiles shall be part of cable cost.

5. DISTRIBUTION BOARDS

1.0 Scope



1.1 The scope of work shall cover the supply installation, testing and commissioning of lighting and power distribution boards. Associated minor civil work required for the erection of the DBs, such as opening in wall, etc., also included in the scope of this contract.

2.0 Standards

2.1 The following standards and rules shall be applicable:

- 1) IS: 2675-1983 Enclosed distribution fuse boards and cutout for voltages not exceeding 1000V
- 2) IS: 375-1963 Marking and arrangement of Switchgear bus bars main connections and auxiliary wiring.
- 3) IS: 8828-1978 Miniature circuit Breakers.
- 4) IS: 2607-1976 Air break isolators for voltages not exceeding 1000V
- 5) IS: 9926-1981 Fuse wire used in Rewirable type Electric fuses upto 650 Volts
- 6) Indian Electricity Act 1910 and rules issued thereunder.

2.2 All codes and standards mean the latest. Wherever not specified, the installation shall generally follow the Indian Standard Codes of Practice or the relevant British Standard Codes of Practice in the absence of Indian Standard.

3.0 Distribution Boards

3.1 Distribution boards Factory fabricated & painted along with the controlling MCB's or Isolator as shown shall be fixed in mild steel box with hinged lockable door suitable for recessed mounting in wall. Distribution boards shall be made of 16 SWG sheet duly rust inhibited through a process of degreasing, acid pickling, phosphating and spray painting to an approved colour over a coat of red oxide primer.

Three phase boards shall have phase barriers and a wire channel on three sides generally as shown on drawings. Neutral bars shall be solid tinned copper bars with tapped holes and chase headed screws. For 3 phase DBs 3mm independent neutral bars shall be provided. All DBs shall be internally pre-wired using copper insulated PVC wires brought to a terminal strip of appropriate rating for outgoing feeders. All Blank space shall be provided with suitable PVC Blank plate.

3.2 Conduit knockout shall be provided as required/shown on drawings and the entire board shall be rendered dust and vermin proof with necessary sealing gaskets.

3.3 MCs shall have quick make-and-break non-welding self-wiping silver alloy contacts for SKA short circuit both the manual and automatic operation. Each pole of the breaker shall be provided with inverse time thermal over load and instantaneous over current tripping elements, with trip-free mechanism. In case of multiple breakers, the tripping must be on all the poles and operating handle shall be common. Breakers must conform to BS: 3871 with facility for locking in OFF position. Pressure clamp terminals for standard/solid conductor insertion are acceptable up to 4 sq. mm Aluminium or 2.5 sq. mm copper and for higher ratings, the terminals shall be suitably shrouded. Wherever MCB isolators are specified they are without the tripping elements.



3.4 Fuses shall be HRC link type or rewire-able with necessary fuse carriers and with S.C. rating of not less than 50KA. Bottle type fuses are not acceptable. Fuse carrier terminals shall be suitably shrouded.

3.5 Distribution boards shall have HRC/rewire-able fuses as shown on the schedule and drawings. Board shall meet with the requirements of IS: 2675 and marking arrangement of bus bars shall be in accordance with IS: 375. Bus bars shall be suitable for the incomer switch rating and sized for a temperature rise of 30deg Cover the ambient. Each board shall have two separate earthing terminals. Circuit diagram indicating the load distribution shall be pasted on the inside of the DB as instructed. One earthing terminal for single phase and two terminals for 3 phase DBs shall be provided with an earth strip connecting the studs and the outgoing earth bar.

3.6 In the case of MCB distribution boards, the back-up fuses wherever shown shall be not less than 63A with a delayed characteristic and a minimum piercing time of 0.5 sec at 9 KA fault current.

3.7 All outgoing feeders shall terminate on terminal strip which in turn is power wired to the MCB/Fuse base by means of insulated single conductor copper wires as follows:

Up to 20A – 4.0 Sq. mm
32 A - 6.0 Sq. mm
63 A - 10.0 Sq. mm

3.8 Each DB shall have indicating lamps preferably neon type denoting power availability in the board after the switch. Indicating lamps shall be completely with fuses.

4.0 Installation & Testing

4.1 All distribution boards shall be mounted on wall or recessed, with necessary angle iron framework. All mounting frames shall have one prime coat and two finish coats after the completion of the work. All distribution boards shall be touched up for damaged painting.

4.2 All boards shall be meggered phase to phase and to neutral using 1000V megger with all switches in closed position. The megger value should not be less than 2.5 mega ohms between phase and 1.5 mega ohms between phase and neutral.

4.3 Fabrication drawings of all boards shall be approved by the consultants before fabrication and be inspected before dispatch, unless waived in writing.

5.0 Mode of measurement

5.1 The distribution board complete with the various components specified, indicating lamps, supporting frame, internal wiring, erection, etc., will be treated as one unit for the purpose of measurement and payment.

5.2 DBs with dimmers shall be separately counted.

6. **EARTHING**

1.0 Scope

1.1 The Scope of work shall cover supply and laying of Aluminium/Copper earth strips and connecting the power panels, DBs and switchboards.

2.0 Standards



2.1 The following standards and rules shall be applicable:

- 1) IS: 3043-1987 Code of Practice for earthing.
- 2) Indian Electricity Act and Rules.

2.2 All codes and standards mean the latest. Where not specified otherwise the installation shall generally follow the Indian Standard Code of Practice or the British Standard Codes of Practice in the absence of Indian Standards.

3.0 Plate Earthing Station

3.1 The substation earthing shall be with copper plate earthing station unless otherwise specified.

3.2 The earthing station shall be as shown on the drawing. The earth electrodes shall be 600x600x3 mm copper plate. The earth resistance shall be maintained with a suitable soil treatment and watering arrangement as shown on drawings. Excavated soft soil shall be thoroughly mixed with 6 percent by weight of common salt with 10 percent by weight of water and fill the earth pit.

3.3 The resistance of each earth station should not exceed 5 ohms.

3.4 The earth lead shall be connected to the earth plate through Copper / Brass bolts as shown on the drawing.

4.0 Pipe Earthing Station

4.1 The pipe earth station shall be as shown on the drawing and shall be used for equipment earth grid. The earth electrodes shall be 2.5 m long 50mm dia 5mm thick galvanized steel pipe. The earth resistance shall be maintained with a suitable soil treatment as shown on drawings and as per plate electrodes.

4.2 The resistance of each earth station should not exceed 5 ohms.

4.3 The earth lead shall be fixed to the pipe with a clamp & safety set screws. The clamps shall be permanently accessible.

5.0 Earth leads and connections

5.1 Earth lead shall be bear Copper or Aluminium or galvanized steel as specified sizes shown on drawings. Copper lead shall have a phosphor content of not over 0.15 percent. Aluminium and galvanized steel buried in ground shall be protected with bitumen and hessian wrap or polythene faced hessian and bitumen coating. At road crossing necessary Hume pipes shall be lead. Earth lead run on surface of wall or ceiling shall be fixed on saddles or wall so that the strip is at least 6 mm away from the wall surface.

5.2 All earth strips shall be jointed as follows:

Aluminium : Riveting with 2 Nos. 100 mm long bimetal fish plates using copper rivets.

Galvanized steel : Lap welding with 50mm minimum lap.

5.3 All strips shall be run on walls/beams with 6mm thick galvanized steel earth saddles at 500 mm center to center.



6.0 Equipment Earthing

6.1 All apparatus and equipment transmitting or utilizing power shall be earthed in the following manner. Copper earth wires shall be used where copper wires are specified. Aluminium wires may be used where aluminium phase wires are specified unless otherwise indicated in the schedule of work and drawings.

6.2 Power transmission apparatus

6.2 1) Metallic conduit shall not be acceptable as an earth continuity conductor. A separate insulated / bare earth continuity conductor of size related to phase conductor shall be provided as follow:

Cross-section in sq. mm			
Size of phase conductor	Copper	Aluminium	Galvanized steel
Up to 16	< same >		1.55
More than 16 up to 35	< 16 >		32
Over 35	< as shown in drawings >		
Minimum (bare)	2.5	4	6
Minimum (enclosed)	2.5	2.5	-

The earth continuity conductor may be drawn inside the conduit in which case, it should be insulated.

6.2 2) Non-metallic conduit shall have an insulated earth continuity conductor of the same size as for metallic conduit. All metal junction and switch boxes shall have an inside earth stud to which the earth conductor shall be connected. The earth conductor shall be distinctly coloured Green and Yellow for easy identification.

6.2 3) Armoured cables shall be earthed by 2 distance earth connections to the armouring at both the ends. In multiple cables earthing a panel / DB, the cable joints shall be bonded together using a bonding wire selected on the basis of the largest size of cable in the group.

6.2 4) In the case of unarmoured cable, an earth continuity conductor shall either be run outside along the cable or should form a separate insulated core of the cable.

6.2 5) 3 pH Power panels and distribution boards shall have 2 distinct earth connections of the size correlated to the incoming cable size. In case of 1 pH DBs a single earth connection is adequate. Similarly for 3 pH and 1 pH isolating switches there shall be 2 and 1 earth connections respectively, size being correlated to the incoming cable.

7.0 Testing

7.1 The following earth resistance values shall be measured with an approved earth megger and recorded.

- 1) Each earthing station.
- 2) Earthing system as a whole



- 3) Earth continuity conductor.

SHEET METAL WORK AND INSULATION

SCOPE:

Scope of this section covers supply & Installation of sheet metal work & insulation as shown in tender drawings, in accordance with the following specifications:

MATERIALS:

Ducts shall be made of galvanized steel sheets. GI sheets shall conform to IS 277-2003 & of following thickness:

MAXIMUM SIDE (mm)	THICKNESS (mm)
Under 750	0.63
751 – 1500	0.80
1501 – 2250	1.00
above	1.25

GRILLS & DIFFUSERS:

- All aluminium side wall supply return & exhaust air grills shall be similar & equivalent to Dynacraft model EP – 25 with opposed blade dampers.
- Aluminium ceiling outlets shall be similar and equivalent to Dynacraft model C -28, ML – 38, ML – 39 or as shown on the drawings.
- Frames for fixing of grills and diffusers shall be the responsibility of the Contractor.
- Samples of grills & diffusers shall be subject to approval of the Engineer in charge/Interior Designer.

INSTALLATION:

- Duct fabrication & installation shall conform to IS: 655.
- Design, ducting system within tender drawing parameter limits like velocities, static pressure etc.
- Make all necessary allowances & provisions for beams, pipes or any other obstructions in the building, whether or not the same are shown on the drawings. Where necessary to avoid beams or other structural work or building services, divert, transform or split ducts without changing the coefficient of friction & subject to approval & discretion of the Engineer in charge.
- Erect ducting in vacant spaces in time to avoid delays to other Contractors. Support ducts from slab or beams. Support of ducts from false ceiling hangers or resting on hung ceiling is not permitted.
- Install rigidly fabricated ducts with adequate supports & bracing where required. Provide standing seams, tees or angles to maintain true shape of ducts & to avoid buckling, vibration or breathing.
- Provide airtight joints with smooth interior surface. Bends, to have a radius of minimum half the width of the duct unless, they are with interior curved vanes. Space vanes to limit aspect ratio of each elbow formed to be five. In case of extreme space limitations use of slip joints may be permitted by the engineer at his discretion. However the joints have to be made airtight using mastic sealant if required. Also extreme care should be taken while installing these ducts so as to avoid tensions on the joint & also opening of the same.
- Proper gaskets shall have to be provided on all joints so as to ensure air tightness.
- Only GI nuts, bolts & washers are to be used at all mating connections.



Connection of air handling equipment to duct work shall be through a smooth & rigidly held 150mm long double canvas sleeve, securely bonded & bolted to duct & units. Provide 75 mm long ZIP fasteners in canvases for inserting thermometers.

INSULATION:

ACOUSTIC INSULATION OF DUCTS / PLENUMS:

- Unless plenums are acoustically insulated, provide acoustic lining with 12mm Fibre glass Crown 300 upto a distance of 3m from outlet of air handlers.
- RP Tissue & 32 G Perforated Aluminium Sheet shall be mechanically attached to internal of ducts with 50mm long GI bolts, washers & nuts. Space bolts at maximum 300mm centres and at least 75mm from all corners.
- RP Tissue & 32 G Perforated Aluminium Sheet along periphery shall be minimum 50mm in excess of the insulation and turned in to avoid the fibres entering the air stream.

THERMAL INSULATION OF DUCTS:

Insulation shall be provided on ducts wherever specified with the following thickness:

- 1" thick Fiberglass Crown 150 (with factory applied aluminium foil) or approved equivalent for ducts surrounded by return air.
- 2" thick Fiberglass Crown 150 (with factory applied aluminium foil) or approved equivalent for ducts surrounded by conditioned air.

The insulation material shall be spot stuck to the duct surface using hot bitumen. All joints shall have a neat overlap of the covering aluminium foil of at least 2". Joints shall then have to be covered with PVC tapes 2" wide as manufactured by Johnson & Johnson (or approved equivalent)

INSULATION OF SUCTION LINE & DRAIN PIPING:

Suction & drain piping shall be insulated with preformed polythelene pipe sections and provided with necessary protective covering.

TESTING:

After completion, test entire ducting system for leakage. Balance air distribution system to supply, return or exhaust air quantities as required for various rooms to maintain the specified conditions. Carry out final balancing of the system in presence of the Engineer in charge & submit record of air quantities through each outlet to the Engineer.

APPROVED MAKE OF MATERIALS

- i) GI Ducts : JINDAL / LLOYD / TATASTEEL/NIPPON
- ii) Insulation Materials (Fiber glass with A1 lamination) : UP TWIGA / KHIMO
- iii) Extruded Aluminum grills : AIR MASTERS / DYNA CRAFT/AIR TECH

Important:

- (i) The details / description mentioned in the tender Part-I & Part-II shall supersede the drawings.
- (ii) Interior Designer or Architect wherever mentioned, shall mean the Bank's Architect.



Section VI (c) : Technical specifications:

APPROVED MAKES OF MATERIALS / EQUIPMENTS

Note:

1. The Contractor shall obtain prior approval from the Bank's Engineer before placing order for any specific material or engaging any of the specialized agencies. The Contractor shall make a detailed submittal with catalogues and highlighted proposed specifications, as well as full details of the works executed by the specialized agency, as specified.
2. In case of non-availability of the brand specified in the contract the Contractor shall approach Bank's Engineer to acquiring alternate equivalent brand of the material subject to submission of documentary evidence of non- availability of the specified brand. No claim on this account shall be entertained.

Materials for Civil Works

Sr. No.	Item/ Material	Make/ Name of the manufacturer
1.	AAC Block	Ecolight, Everest, Siporex or approved equivalent
2.	REINFORCEMENT	Tata, Jindal, SAIL or approved equivalent
3.	Cement	Ultratech, Birla Gold, Gujarat Ambuja, ACC or approved equivalent
4.	Polymer Compound	Pidilite, SIKKA, Fosroc or approved equivalent.
5.	WPC Door /WPC Frame	Green, Century, Merino or approved equivalent.
6.	Decorative Curtain Rod	Vista, Mak or approved equivalent
7.	UPVC Windows	Fenesta, Encraft, Veka or approved equivalent
8.	M.S. Section	Tata, Jindal, SAIL or approved equivalent
9.	Vitrified/Ceramic tiles	H&R Johnson, Nitco , Kajaria, Somani, RAK or approved equivalent
10	CPVC Pipe	Ashirvad, ASTRAL, Supreme, Finolex , Prince or approved equivalent



11.	PVC Waste Pipe	Ashirvad, ASTRAL, Supreme, Finolex , Prince or approved equivalent
12.	Kitchen Sink with Drainboard	Nirali, Nilkanth, Franke, Eurodoma or approved equivalent
13.	Carpentry Hardware	Godrej, Hardwyn, Dorma, Ozone, Hettich, Haffle or approved equivalent
14.	Half-Pedestal type Wash-basin/Overcounter Wash-basin/Water closet	Hindware, Parryware, Cera, Jaguar or approved equivalent
15.	Toilet Fitting	Kohler, Jaguar, Roca or approved equivalent
16.	Mirror	Saint Gobin, Modiguard, Asahi or approved equivalent
17.	Modular Kitchen	Sleek, Godrej, livspace or approved equivalent
18.	Marine Plywood	Century, Merino ply, green ply or approved equivalent
19.	Block Board	Century, Merino ply, green ply or approved equivalent
20.	Laminate	Century, Merino ply, green ply or approved equivalent
21.	Adhesive	Fevicol SH, Movicol HV of Mafatlal. Araldite of Ciba Geigy, Bal Endura or approved equivalent
22.	False Ceiling	Saint Gobin, Armstrong, anutone or approved equivalent
23.	Cement Primer	Nerolac, Berger, Asian Paint or approved equivalent
24.	Acrylic Emulsion paints synthetic	Nerolac Berger, Asian Paint or approved equivalent
25.	Enamel paints	Nerolac, Berger, Asian Paint or approved equivalent
26.	Wood primer	Nerolac, Asian paints, Berger. or approved equivalent
27.	Zinc chromate (yellow) primer	Nerolac, Asian paints, Berger or approved equivalent
28.	OBD	Nerolac, Asian paints, Berger or approved equivalent



29	External Paint	Nerolac, Asian paints, Berger or approved equivalent
30	Wall Putty	Birla putty, JK Putty, Asian paints or approved equivalent
31.	Elastomeric liquid water proofing membrane	Asian paints, Nerolac, Berger or approved equivalent
32	Screws	G.K.W., Atul, Hilti or approved equivalent.
<u>Materials for Electrical Works</u>		
1	MCBs, ELCBs, RCBO , MCBDBs , MCCB	MDS, LEGRAND, HAGER, SIEMENS, L&K
2	PVC INSULATED COPPER ARMoured CABLES	POLYCAB, FINOLEX, KEI, RR Kabel
3	FRLS COPPER CONDUCTOR PVC INSULATED WIRE	POLYCAB, FINOLEX, KEI, RR Kabel
4	PVC CONDUITS & ACCESSORIES	PRECISION ,AKG , MODI
5	SWITCH, PLUG SOCKET MODULAR TYPE	MDS, SSK LEGRAND (Mylinc), MK, CABTREE, SIEMENS, SCHNEIDER
6	TELEPHONE. SOCKETS / OUTLETS, RJ 11, LAN SOCKETS	Polycab, finolex, Delton, D-LINK
7	TELEPHONE WIRES AND CABLES	DELTON, POLYCAB, FINOLEX, RR KABLE
8	INDICATING LAMP (LED), PUSH BUTTON LAMPS (LED)	SIEMENS, L&K,
9	LIGHT FITTINGS, TUBES AND LAMPS	PHILIPS, Bajaj, Syska , Wipro, Crompton, Jaquar, Orient, Havells
10	EXHAUST FANS	Almonard, Bajaj, Crompton, Havells, Orient, Usha
11	CEILING FANS	Almonard, Atomberg, Bajaj, Crompton, Havells, Usha, Orient
12	GEYSERS	AO SMITH, Bajaj, Crompton, Haier, Havells, Jaquar, Racold, Usha, V-Guard
13	Call bells/Ding Dong Bell	Anchor, GM, Legrand, Havells or equivalent
14	AC Modular Sockets with Box	Havells, Legrand, Northwest. MK, Siemens
15	Co-axial Cables	DELTON, POLYCAB, FINOLEX, RR KABLE



Technical Specifications: Section VI (d) List of items with Basic Rates / Price

Basic prices of the materials have been indicated in the respective in schedule of quantities (Part-II).

Note:

1. The supplied wires/cables should comply with relevant parts of IS:694 standard for dimensions, strength and thickness of wire/cables component.
2. The supplied wires/cables should comply with relevant parts of IS:10810 standard for Fire retardant properties.
3. The PVC pipes to be used in conduits for wiring may comply with relevant parts of IS:9537.
4. The plugs, sockets and switches shall comply with relevant parts of IS 1293 and IS 3854 respectively.
5. The accessories used in switches sockets shall comply with relevant parts of IS:4160.
6. MCBDBs supplied and fixed shall comply with relevant parts of IS:2675 and IS/IEC 60898-1 (2002).
7. Any other material used must in wiring shall comply with the relevant IS Standard.

NOTE: The firm needs to submit Test Certificates as per above mentioned IS standards for wires/cables, pipes, DBs, MCBs, switch, sockets, accessories etc.



Schedule A

Notes for Schedule of Quantities

1	The Schedule of Quantities shall be read in conjunction with the specifications, Tender drawings and bid documents. CONTRACTOR shall not rely merely on the description given in the Schedule of Quantities.		
2	Quantities of work indicated in the Schedule of Quantities are only approximate and are given to provide a common basis for bidding. The actual quantities of work shall be ordered by Employer as shown on the final drawings released for Renovation. No claim shall be entertained from CONTRACTOR if the actual quantities or items of work differ from those indicated herein, except where stated otherwise. The Bank's Engineer reserves the right to modify any aspect of the scope of Tender at any time during the course of work.		
3	The contractor shall fill his rates and amounts for all the items for the specified quantities indicated in Schedule of Quantity issued by the Employer.		
4	Quoted Prices shall be in Indian Rupees only.		
5	Rates and amounts shall be entered in both figures and words. Non-compliance of these conditions may render the Bid invalid at the discretion of the Employer.		
6	Unit Rates shall be submitted for all Items and they shall be firm for the entire duration of the contract and any approved extended period.		
7	The quantities of work actually carried out against each item shall be measured and paid at the rates quoted in the Schedule of Quantities where applicable or otherwise at such rates and prices as may be fixed within the terms of the Contract.		
8	BIDDER shall be deemed to have allowed in his rates the provision, maintenance and final removal of all temporary works of whatsoever nature required for the proper execution of the works, except for those temporary works for which specific items have been provided in Schedule of Quantities.		
9	Abbreviations used are as under:		
	i)	No.	Number
	ii)	Cu m	Cubic metre
	iii)	Sq m	Square metre
	iv)	M	Metre
	v)	LS	Lump sum
	vi)	MT	Metric Tonne
	vii)	Kg	Kilogram



Schedule B

Material Testing and Quality assurance Plan:

Contractor shall submit the detailed material testing and quality control plan as per the relevant IS codes and standards covering the entire scope of work as per schedule of quantity and specifications and on approval from Bank's Engineer same shall be followed while executing the work within the cost quoted. Where-ever the manufacturer's specifications are specified to be followed, the contractor shall submit the material testing certificate(s) (MTC) provided by the manufacture for every supply by manufacturer/distributor/dealer etc. to contractor supported by substantiating document (acceptable to the Bank's Engineer) linking material supplied by the manufacturer/distributor/dealer to its MTC. In case, the procured material is observed unsure, or contractor is not able to furnish MTC as specified hereabove, the material shall be tested to ensure its conformity to relevant code(s) of BIS or as applicable. Type of test(s) to be performed shall be decided by Bank's Engineer for a particular material conforming to the procedure, sampling, frequency etc. specified in the relevant code(s). All the charges and the costs in this regard shall bear by the contractor. No materials shall be used in the works unless they have first been approved by the Bank's Engineer.



Schedule C

SAFETY CODE

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



FIRE SAFETY CODE

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



Schedule D

LIST OF DOCUMENTS TO BE MAINTAINED AT SITE

S. No.	Description of the Document	Remarks
1	Contract Agreement.	Certified true copies of the contracts
2	Drawings	One set of all Architectural Interior layout plan, Electrical, AC and other drawings issued for the work shall well preserved by covering transparent polythene paper
3	Work Programme Chart	Showing latest item wise progress plan
4	Work instruction / Site order Book	For issue of instructions by Bank's Engineer or his representative at site in the course of day-to-day supervision. This book shall be in the form of Triplicate book with machine numbered pages. After recording the instructions, one copy shall be taken by Bank's Engineer or his representative, another by the contractor and the third copy shall remain in the book on which the compliance shall be recorded by Contractor after taking required action.
5	Material at site Register	To record the material received and issued by on daily basis by the contractor.
6	Labor Report and Daily Progress Report (DPR)	To record the labour and DPR by the contractor
7	Test Reports/ certificates for Materials/ equipment	To maintain record of test reports/ certificates received from manufacturers.
8	Measurement Book	To record measurements of works
9	Progress Review reports along with progress photographs	To maintain record of progress
10	File and Register for Extra/Variation Order	To maintain record of extra/ variation items
11	Hindrance register	For recording the details of hindrances, reasons & its clearance with time period jointly signed by the Site Engineer/ Bank's Engineer representative and the contractor's representative.
12	Logbook of defects	To record defects noticed during inspection.



Schedule E

General Rules and Instructions to Bidders – Information

Bids in Two Bids System	Tender Inviting Authority Regional Director Reserve Bank of India Patna - 800001 Tel No. : (0612) 2323712) E Mail id : estatepatna@rbi.org.in
	Name of the Work- Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical Estimated cost of work:- ₹16,40,15,431/- (Civil Work ₹ 14,48,80,259/- + Electrical Work ₹ 1,91,35,172/-)
	Office-Reserve Bank of India, Patna RO
	Due Date and Time for submission of e-Tender/Bid (Bid close date) – September 11, 2025 up to 02:00 PM
	Tender submission mode: e-Tender
Earnest Money Deposit (EMD)	EMD of ₹ 32,81,000/- in the form of Demand Draft drawn in favour of Reserve Bank of India, of a Scheduled Bank or Bank Guarantee (shall be valid at least up to validity of bid) as per proforma annexed hereto shall be deposited in original at the office of tender inviting authority on or before the due date September 11, 2025 and up to 02:00 PM. EMD can also be remitted to Reserve Bank of India Account of on or before 02:00 PM of September 11, 2025 . The account details for NEFT transactions are as under: Beneficiary Name- Reserve Bank of India IFSC: RBIS0PTPA01 Account No: 186003001 Proof of remittance indicating transaction number and other details shall be uploaded on Bank's approved e-tender portal along with other tender documents.
Clarifications and pre-Bid Meeting	Date and Time of Pre-Bid Meeting - Offline on August 28, 2025 at 11.00 AM Venue - Flat No. 75-76, Block – J, Digha Staff Quarters, Near Nasriganj, Digha, Patna – 800012. <u>It is mandatory to attend the pre-bid meeting at scheduled date and place.</u>
Opening of Bids	Date of opening of tenders/bids (Part-I) – September 11, 2025 at 3.00 PM on e-Tender mode.
Bid validity	Bid validity – Six months since date of opening of Part I
Time for Completion of work	Time allowed to complete the work: 365 Calendar days from the date of commencement. Date of commencement will be 14 th day from the date of issue of the work order.



Schedule F

General Conditions of the Contract – Information

Definitions		
	i)	Name of the Work – Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical.
	ii)	The Site – Digha Staff Quarters, Near B.S. College, Nasriganj, Reserve Bank of India, Patna
	iii)	Employer – Regional Director, Reserve Bank of India, Patna
	xiii)	The Bank's Engineer: As nominated/designated by the Employer time to time
	xxii)	The percentage mentioned to cover all overheads and profits – 15%
Discrepancies and Adjustment of Errors (order of preference)	8.2	The Competent Authority – Regional Director, Reserve Bank of India, Patna

CLAUSES OF CONTRACT

Performance Guarantee	CLAUSE 1	
	(i)	Time allowed for submission of Performance Guarantee from the date of award of work – 14 days
	(ii)	Maximum allowable extension of time for submission of Performance Guarantee beyond the period specified in (i) above without penalty – 7 days
	(iii)	Maximum allowable extension of time for submission of Performance Guarantee beyond the period specified in (ii) above with late fee @ 0.1% of the amount of Performance Guarantee per day – 7 days
Recovery of Security Deposit	CLAUSE 1 A	
	Retention percentage – 5% from every bill subject to 5% of the contract price	
Compensation for Delay – Liquidated Damages	CLAUSE 2	
	(i) 0.25% per week of delay subject to maximum of 10% of the contract value. (ii) Authority for fixing compensation under clause 2: Regional Director, Reserve Bank of India, Patna-800001	
Payment on Interim	CLAUSE 7	



Certificate to be Regarded as Advances	<ul style="list-style-type: none"> Gross value of work done together with net payment/ adjustment of advances for material collected, if any, since the last such payment eligible for raising Running Account bill (Interim payment) – As specified under “Terms of Payment” of this tender. Retention percentage for Interim Certificates – 5% from every bill Total Retention Money – 5% of total work done Retention period for the Retention Money – up to successful completion of Defects Liability Period (DLP) Period of honouring interim certificates-1 month from the date of receipt of complete bill along with all the documents as specified in Special Conditions of Contract
Action in case Work not done as per Specifications	Authority for accepting reduced rate – Regional Director, Reserve Bank of India, Patna
	CLAUSE 5
Deviations/ Variations Extent and Pricing	Deviation limit beyond which clause 12.2 C shall apply - 25% beyond the tender item quantity specified in the Schedule of Quantity
Deviation - Deviated Quantities and Pricing	
Contractor Liable for Damages, defects during defect liability period	<p>CLAUSE 17</p> <p>Defects Liability Period – 12 months from the date of issue of virtual completion certificate by the Bank’s Engineer.</p> <p>Competent Authority for deciding reduced rates – Regional Director, Reserve Bank of India, Patna</p>
Settlement of Disputes & Arbitration	<p>CLAUSE 25</p> <p>Dispute Resolution Committee Competent Authority for referring the dispute.</p> <p>Place of Arbitration – Reserve Bank of India, Patna RO,</p>
Water and Electric power supply for work	Bank will recover 1% of total contract amount as water and electricity charges. It will avail water and electricity power supply required at one point free of charge. Contractor shall make their own arrangement for further extension of connection if any with safety fixtures and nothing extra will be paid for the same.
Alternate water supply arrangements	
	CLAUSE 30



Insurance in respect of damages to Persons and Property	<p>Contractor shall take following Insurance Policies:</p> <ol style="list-style-type: none"> 1) Contractor's All Risk Policy for the full Contract Value 2) Workmen Compensation Policy for all workmen deployed at site 3) Third Party Liability Policy as per following details: <ol style="list-style-type: none"> a) For injury to persons – Rs 2 Lakh per person per accident b) For damage to property – Rs 5 Lakh per accident Subject to overall ceiling as per extant Insurance guidelines <p>All insurance policies shall be valid till successful completion of defect liability period</p>
Milestones approving authority – Bank's Engineer	
(i) Authority for granting Extension of Time –Regional Director, RBI Patna RO	
(ii) Rescheduling of Milestones –Bank's Engineer	
(iii) Shifting of date of commencement in case of delay in handing over of site – Bank's Engineer	



Schedule G

GREEN BUILDING REQUIREMENTS

Reserve Bank of India (RBI) intend to follow environmental friendly and energy efficient norms for Green Interiors space while Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical. work. Green Interior involves complying with the green building specification like using of certain green materials, following of sustainable procedures and certain measures during Renovation/up gradation stage, as spelt out in this document. Accordingly, various parameters related to Green building have been incorporated in the design by the RBI/Employer. The contractor shall ensure to comply the material specifications/ works as per Schedule of Quantities for the respective items and all the work procedures/ processes as specified in this schedule. The contractor should understand the conditions and specifications clearly and if any doubt, may clarify during prebid meeting.

To comply with Green Building requirement, wherever called for, the Contractor shall provide necessary documents / shop drawings issued by the manufacturers and this document shall generally cover test certificates, Letter of authorization in terms of standards, thermal values, and relevant data, MSDS, write-ups / detailed description of the particular material / equipment, as stipulated by the Bank's Engineer prior to ordering the materials and after the supply of materials or at appropriate stages.

The contractor shall verify with the Engineer-in charge regarding the correctness of the green specification before ordering and procurement of materials and equipment supplied to the work.

If the material specifications, the shop drawings and the relevant documents do not meet the specified norms; it shall be the sole responsibility of the contractor to satisfy the specified Green norms by replacing the materials / equipment with the prior approval of the Bank's Engineer.

The contractor shall ensure that the following facilities for workers are provided

- (i) First-aid and emergency facilities
- (ii) Adequate drinking water facilities
- (iii) Personal protective equipment
- (iv) Dust suppression measures
- (v) Adequate illumination levels in construction work areas



Segregated Waste Stored on Site – Cement Bags and Scrap area on Site marked with signage

These are only sample image, site shall be managed in consultation with authorized representative of RBI, Patna





Schedule H

Important Instructions for E-Procurement

This is an e-procurement event of RBI. The e- procurement Service Provider/Contractor is the MSTC Limited.

You are requested to read and understand the Notice Inviting Tender and subsequent corrigenda if any, before submitting your online tender.

Process of E-tender:

A (Registration) :The process involves vendor's registration with MSTC e-procurement portal which is free of cost .Only after registration, the vendor(s) can submit his/their bids electronically . Electronic Bidding for submission of Techno-Commercial Bid as well as Price Bid over the internet will be done .The Vendor should possess Class III signing and encryption type digital certificate . Vendors are to make their own arrangement for bidding from a P.C .connected with Internet .RBI is not responsible for making such arrangement) .Bids will not be recorded without Digital Signature .(

SPECIAL NOTE: THE PRICE BID AND THE COMMERCIAL BID HAS TO BE

SUBMITTED ON-LINE ONLY AT www.mstcecommerce.com/eprocn/ (Version 3)

1 (Vendors are required to register themselves online with

www.mstcecommerce.com/eprocn/

Register as Vendor --Filling up details and creating own user id and password Submit .For further details, go to Download Guide /Video /Registration

Vendors will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form .In case of any clarification, please contact MSTC/ RBI,)before the scheduled time of the e -tender(.

Contact details:

a) Contact person (MSTC) For Vendors:

HO Central Help Desk: (For vendors)

Phone Number :07969066600

helpdeskho@mstcindia.in (Please mention "HO Helpdesk" as subject while sending emails)

Availability

9:30 AM to 5:00 PM on all working days for all Technical issues e-Tenders, System settings etc.

b) Contact person (MSTC)

- i) Mr. Malay Mandal– bmpatna@mstcindia.in Mobile-9831368791
- ii) Mr. Amit Kumar Goutam – ptnopr1@mstcindia.in Mobile-9886624201



iii) Mr. Mayank Kumar- ptnopn3@mstcindia.in Mobile-8269000225

iv) Mr. Prashant Malviya- ptnopn2@mstcindia.in Mobile- 9899972556

c) Contact person at RBI

For Technical query

i) Anshuman Tripathi (AM-Tech Civil)- - Email anshumantripathi@rbi.org.in Mob: 9415015483

ii) Shubh Raj (AM-Tech Civil)-Email shubhraj@rbi.org Mob: 7303612701

For General Query

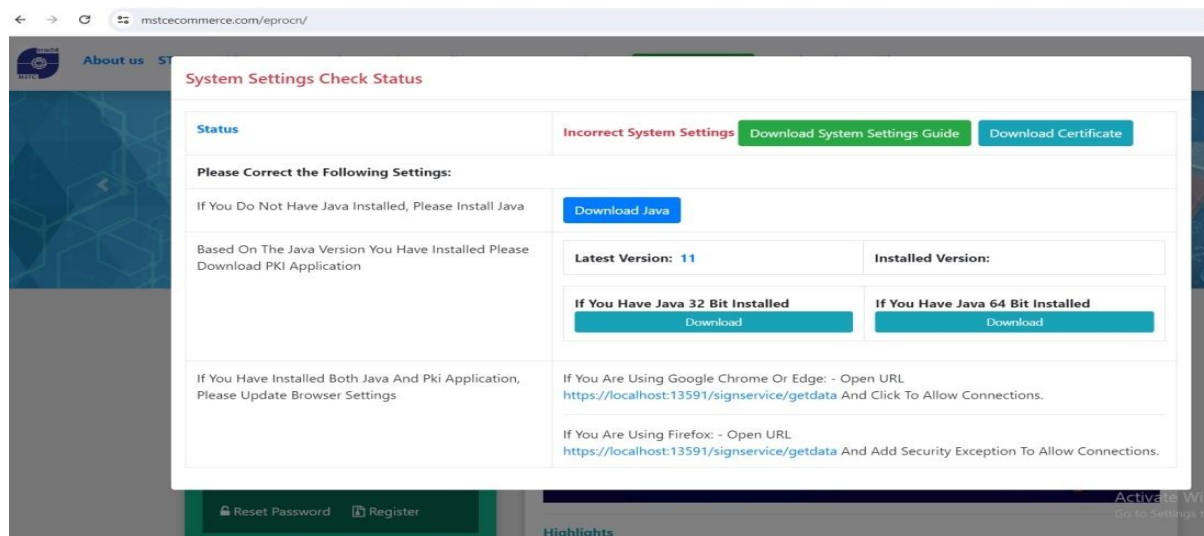
iii) Pankaj Kumar Sahu (Manager) Email – pk_sahu@rbi.org.in Mob: 9919729441

iv) Rohit Kumar (AM) Email – kumarrohit@rbi.org.in Mob - 9572296063

Guide.

1. System Requirement:

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



2. Special Note towards Transaction fee: The vendors shall pay the transaction fee using “Transaction Fee Payment” Link against the specific tender in the “Bid Floor”/through the “Pay Transaction fee” in “Event catalog” through their login. Service Provider / Contractor / Vendor shall have the facility of making the payment either through NEFT or Online Payment. On selecting NEFT, Service Provider / Contractor / Vendor shall generate a challan by filling up a form. Service Provider / Contractor / Vendor shall remit the transaction fee amount as per the details printed on the challan without making change in the same. On selecting Online Payment, Service Provider / Contractor / Vendor shall have the provision of making payment using its Credit / Debit Card / Net Banking. Once the payment gets credited to MSTC’s designated bank account, the transaction fee shall be auto authorized.

Transaction fee is non-refundable. A vendor will not have the access to online e- tender without payment of the transaction fee.



NOTE: Bidders are advised to remit the transaction fee well in advance before the closing time of the event so as to give themselves sufficient time to submit the bid.

3. Information about tenders / corrigenda shall be sent by email only during the process till finalization of tender. Hence the vendors are required to ensure that their corporate email I.D. provided is valid and updated at the time of registration of vendor with the MSTC Ltd. Vendors are also requested to ensure validity of their class III signing and encryption type of DSC (Digital Signature Certificate).
4. E-tender cannot be accessed after the due date and time mentioned in NIT (Notice inviting tender).

5. Bidding in E-tender:

Note: Vendors are instructed to use **Upload Documents** link in My menu to upload documents in document library .Multiple documents can be uploaded .Maximum size of single document for upload is **5 MB**.

Once documents are uploaded in the library, vendors can attach documents through **Attach Document** link against the particular e-Tender .Please note that if the documents are not attached to any e-Tender, the same cannot be downloaded by RBI and it will be deemed that the vendor has not submitted the documents .For further assistance please follow instructions of vendor guide.

- a) Bidder's (need to submit necessary EMD, E-Tender fees)If ANY (and Transaction fee separately for the e-tender .Transaction fees if any are non-refundable .
- b) The process involves Electronic Bidding for submission of Techno Commercial Bid as well as Price Bid.

The bidder)s (who have submitted the above fees can only submit their Techno Commercial Bids and Price Bid through internet in MSTC website www.mstcecommerce.com → e-procurement →New Common Portal →Bid Floor Manager →live event →Selection of the live event →Transaction fee->Common terms->Attach Documents->Price Bid .

Please Note: The vendor after successful remittance of the transaction fees and EMD details, if sought, will get the attach documents and common terms tab enabled in their login. Post successful completion of this step, the vendors will be allowed to save the lot specific terms and submit their price bid against the lot through the portal or download and upload the excel file for submitting price bids, as the case may be. In case the attach documents and/or saving common terms step is unsuccessful, the tabs for saving lot specific terms and submitting price bid would be disabled. The status of whether the same is successful/pending would be displayed in the bid status button.

- c) First the vendor needs to fill up the Commercial specification if any and save it .Then the vendor should fill up the Techno-commercial bid .After filling the Techno-Commercial Bid, bidder should click 'save 'for recording their Techno-Commercial bid .Once the same is done, the Price Bid link becomes active and the same has to filled up and then bidder should click on "save "to record their price bid . Then once both the Techno-Commercial bid & price bid has been saved, the bidder can click on the "Final Submission "button to register their bid



NOTE - :After clicking the final submission “Delete bid” option would be shown .If the vendor wants to delete the bid after final submission and re submit the bid, then he/she should click delete bid and resubmit the same and again click final submission.

- d) In all cases, bidder should use their own ID and Password along with Digital Signature at the time of submission of their bid.
- e) During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.
- f) The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above .
- g) All electronic bids submitted during the e-tender process shall be legally binding on the bidder .Any bid will be considered as the valid bid offered by that bidder and acceptance of the same by the Buyer will form a binding contract between Buyer and the Bidder for execution of supply/work .Such successful tenderer shall be called hereafter **SUPPLIER/CONTRACTOR**.
- h) It is mandatory that all the bids are submitted with class III signing and encryption type of digital signature certificate otherwise the same will not be accepted by the system .
- i) Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof .
- j) No deviation of the terms and conditions of the e-Tender document is acceptable .Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms & conditions for the e-Tender.
- k) Unit of Measure)UOM (is indicated in the e-tender Floor .Rate to be quoted should be in Indian Rupee as per UOM indicated in the e-tender floor/tender document .

E-tender cannot be accessed after the due date and time mentioned in NIT.

Bidding in e-tender:

- a) Earnest Money Deposit @2% of the total contract amount will be collected from the successful bidder shall be submitted to the Bank in the form of Demand Draft or irrevocable Bank Guarantee (as per format [Annex II](#)) issued by a scheduled commercial Bank drawn in favour of Reserve Bank of India, Patna by the successful bidder.
- b) The account details for NEFT/RTGS transactions are as follows.

Beneficiary Name: Reserve Bank of India, Patna

IFSC: RBIS0PTPA01

Account No.: 186003001

Remarks: Work Description and Company Name

Proof of remittance with transaction number (Scanned copy) shall be attached/ uploaded.



The bidders are also advised to send the proof of remittance with transaction number (scanned copy) to estatepatna@rbi.org.in

- c) The process involves Electronic Bidding for submission of Technical and Commercial Bid.
- d) The vendor(s) who have submitted transaction fee can only submit their Technical Bid and Commercial Bid through internet in MSTC website www.mstcecommerce.com → eprocurement → PSU/Govt depts → Login under RBI → My menu → Auction Floor Manager → live event → Selection of the live event.
- e) The vendor should have running JAVA application. This exercise has to be done immediately after opening of Bid floor. Then they have to fill up Common terms/Commercial specification and save the same. After that, they should click on the Technical bid. If this JAVA application does not run, then the vendor will not be able to save/submit his Technical bid.
- f) After filling the Technical Bid, vendors have to click 'save' for recording the same. Once the Commercial Bid link becomes active and the details are filled up, vendors have to click on "save" to record the Commercial bid. After both the Technical bid & Commercial bid have been saved, vendor has to click on the "Final submission" button to register the bids.
- g) Vendors are instructed to use Attach Doc button to upload documents. Multiple documents can be uploaded.
- h) In all cases, vendors are advised to use their own ID and Password along with Digital Signature at the time of submission of their bids.
- i) During the entire e-tender process, the vendors will remain completely anonymous to one another and also to everybody else.
- j) The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
- k) All electronic bids submitted during the e-tender process shall be legally binding on the vendor. Any bid will be considered as the valid bid offered by that vendor and acceptance of the same by the Buyer will form a binding contract between Buyer and the Vendor for execution of supply.
- l) It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.
- m) Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.

No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any vendor confirms his acceptance of terms & conditions for the tender.



Any order resulting from this tender shall be governed by the terms and conditions mentioned therein.

The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reasons thereof.

Vendors are requested to read the vendor guide and see the video in the page <https://www.mstcecommerce.com> to familiarize them with the system before bidding.

Vendors are requested to quote rates with GST on works contract. No change in quoted rates will be accepted.

I/We hereby declare that I/we have read and understood the information provided in Schedule A to Schedule H above.

Place

Signature of bidder with seal

Date



Draft Articles of Agreement

(On Non-Judicial Stamp Paper of appropriate value)

ARTICLES OF AGREEMENT made the _____ day of _____ between the Reserve Bank of India, Regional Office at Patna - 800001 (hereinafter called “the Employer”) of the one part and

(hereinafter called “the Contractor”) of the other part.

WHEREAS the Employer is desirous of carrying out the work of **“Merger work of existing 146 flats for creation of 73 flats for Grade ‘A’ Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical”** and has caused drawings and specifications describing the works to be done.

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

AND WHEREAS the Contractor has agreed to execute upon and subject to the Conditions set forth herein and to the Conditions set forth in the Special Conditions and in the Schedule of Quantities and Conditions of Contract (all of which are collectively hereinafter referred to as “the said Conditions”) the works shown upon the said Drawings and/or described in the said Specification and included in the Schedule of Quantities at the Respective rate therein set forth amounting to the sum as therein arrived at or such other sum as shall become payable there under (hereinafter referred to as “the said Contract Amount”).

NOW IT IS HEREBY AGREED AS FOLLOWS:

1. In considerations of the said Contract Amount to be paid at the times and in the manner set forth in the said Conditions, the Contractor shall upon and subject to the said Conditions execute and complete the work shown upon the said Drawings and described in the said Specifications and the Schedule of Quantities.
2. The Employer shall pay the Contractor the said Contract Amount or such other sum as shall become payable, at the times and in the manner specified in the said Conditions.
3. The term “Architect” in the said conditions shall mean ‘ in house Architect ’ for the purpose of architectural planning & designing etc. of the Renovation works under this contract.
4. The Reserve Bank of India shall administer and directly arrange for supervision of



works, certification of bills, making payments and implementation of various terms, conditions and stipulations of the contract.

5. The said conditions and various schedules shall be read and construed as forming part of this agreement, and the parties hereto shall respectively abide by, submit themselves to the said Conditions and perform the agreements on their part respectively in the said Conditions contained. The agreement and documents mentioned herein shall form the basis of this Contract.
6. This Contract is neither a fixed Lump sum contract nor a Piece Work Contract but is a Contract to carry out the work in respect to **“Merger work of existing 146 flats for creation of 73 flats for Grade ‘A’ Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical”**. to be paid for according to actual measured quantities at the rate contained in the Schedule of rates and Probable Quantities or as provided in the said Conditions.
7. The Contractor shall afford every reasonable facility for the carrying out of all works relating to civil works, installation of sanitary work and fittings, permanent water supply, electrical installations, fittings, air conditioning and other ancillary works in the manner laid down in the said conditions and shall make good any damages done to walls, floors etc. after the completion of such works.
8. The Employer reserves to itself the right of altering the Drawings and nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this contract.
9. Time shall be considered as the essence of this Contract and the Contractor hereby agrees to commence the work soon after the site is handed over to him or from the scheduled date of commencement as provided for in the said Conditions whichever is later and to complete the entire work within **365 calendar days** subject nevertheless to the provisions for extension of time.
10. All payments by the Employer under this Contract will be made only at Patna.
11. All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen at Patna and only Courts in Patna shall have jurisdiction to determine the same.
12. That the several parts of this Contract have been read by the Contractor and fully understood by the Contractor. The Contractor shall not be entitled for the payment for the quantities beyond the tendered quantities unless ordered for by specific written instructions from the Bank’s Bank’s Engineer.
13. The Contractor shall not disclose directly or indirectly any information, materials and details of the Bank's infrastructure/systems/equipment etc., which may come to the possession or knowledge of the Contractor during the course of discharging its contractual obligations in connection with this



agreement, to any third party and shall at all times hold the same in strictest confidence. The Contractor shall treat the details of the contract as private and confidential, except to the extent necessary to carry out the obligations under it or to comply with applicable laws. The Contractor shall not publish, permit to be published, or disclose any particulars of the works in any trade or technical paper or elsewhere without the previous written consent of the Employer. The Contractor shall indemnify the Employer for any loss suffered by the Employer as a result of disclosure of any confidential information. Failure to observe the above shall be treated as breach of contract on the part of the Contractor and the Employer shall be entitled to claim damages and pursue legal remedies.

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

14. Sexual Harassment of Women at work place:

- i. The contractor shall be solely responsible for full compliance with the provisions of “The Sexual Harassment of women at work place (POSH 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 work place and related issues.



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

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

IN WITNESS WHEREOF the Employer and the Contractor have set their respective hands to these presents the day and year first hereinabove written. IN WITNESS WHEREOF the Employer has set its hands to these presents through its duly authorized official and the Contractor has caused its common seal to be affixed hereunto and has caused these presents to be executed on its behalf, the day and year first hereinabove written.

If the contractor is a partnership or an individual.

If the contractor is a company.

Signature Clause

SIGNED AND DELIVERED by the Reserve bank of India by the hand of
Shri

(Name and designation)

In the presence of

(1)

Address

(2)

Address

Witness

SIGNED AND DELIVERED by

In the presence of

(1)

Address

(2)

Address

Witness

THE COMMON SEAL OF

Was hereunto affixed pursuant to the resolutions passed by its Board of Directors at the meeting held on _____ in the presence of

If the party is partnership firm or an individual should be signed by all or on behalf of all the partners.

(1)



(2)

Directors who have signed these presents in token thereof in the presence of

(1)

(2)

If the Contractor signs under its common seal, the signature clause should tally with the sealing clause in the Articles of Association.

SIGNED AND DELIVERED BY the Contractor by the
hand of Shri

_____ and duly
constituted attorney.

If the Contractor is signing by hand of power of Attorney, whether a company or individual.



Annex 2

PROFORMA OF BANK GUARANTEE FOR EARNEST MONEY DEPOSIT/ BID SECURITY

(On Non-Judicial Stamp Paper of appropriate value)

Place: _____

Date: _____

Regional Director
Reserve Bank of India
Patna-800001

Dear Sir,

Name of Work: Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical.

Ref.: NIT/Advt.No. _____ date _____

WHEREAS

The Reserve Bank of India, having its Regional Office at Patna (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 tenderer shall furnish a Bank Guarantee for a sum of Rs. _ (Rupees _____ only) as Earnest Money Deposit (EMD).

M/s. (Name of the Tenderer/Bidder) _____, (hereinafter called as "the Tenderer/ 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 Tenderer 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 Tenderer; 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 Tenderer 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 Tenderer.

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 Tenderer 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 Tenderers 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 up to _____ (six months from the last date of submission 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.

Authorized 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).



PROFORMA OF BANK GUARANTEE for PERFORMANCE SECURITY DEPOSIT

(On Non-Judicial Stamp Paper of appropriate value)

Place: _____

Date: _____

Regional Director
Reserve Bank of India
Patna-800001

Dear Sir,

Name of Work : Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical.

Whereas Reserve Bank of India, having its Regional Office at Patna (hereinafter called "the RBI") has awarded the Contract for the captioned project (hereinafter called the "Contract") to M/s _____ (Name of the Contractor) (hereinafter called "the said Contractor" which expression shall include its successors and assigns).

AND Whereas the Contractor is bound by the said Contract to submit to RBI a Performance Security for a total amount of ₹. _____ (Rupees _____ only) (Amount in figures and words) for the due fulfilment by the said contractor of the terms and conditions contained in the contract. We, _____ (Name of the Bank), (hereinafter called "the Bank"), at the request of M/s _____, the contractor, do hereby undertake to pay to the RBI an amount not exceeding 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 Contractor has not performed his obligations under the said conditions of the contract or have committed a breach thereof, which conclusion shall be binding on us as well as the said contractor; we shall on demand by the RBI, pay without demur to the RBI, a sum of 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 Contractor 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 Contractor in any suit or proceedings pending before any Court, Tribunal or Arbitrator/s relating thereto and the liability under this guarantee shall be absolute and unequivocal. We undertake to pay the amount claimed by the RBI within a period of one week from the date of receipt of the notice as aforesaid.

3. We confirm that our obligation to the RBI under this guarantee shall be independent of the agreement or agreements or other understandings between the RBI and the Contractor.
4. This guarantee shall not be revoked by us without prior consent in writing of the RBI.

We hereby further agree that –

- a) Any forbearance or commission on the part of the RBI in enforcing the conditions of the said agreement or in compliance with any of the terms and conditions stipulated in the said Contract and/or hereunder or granting of any time or showing of any indulgence by the RBI to the Contractor or any other matters in connection therewith shall not discharge us in any way and our obligation under this guarantee. This guarantee shall be discharged only by the performance by the Contractor of their obligations and in the event of their failure to do so, by payment by us of the sum not exceeding 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 up to (30 days beyond the work completion 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) 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

Witness 2

Signature

Signature

Name

Name

Address

Address

.....



FORMAT FOR POWER OF ATTORNEY FOR AUTHORIZED SIGNATORY

(On Non-Judicial Stamp Paper of appropriate value)

To,

Regional Director
Reserve Bank of India
Patna-800001

Dear Sir

Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical.

We.....(Name of the Bidder and address of their registered office) do hereby constitute, appoint and authorise Mr. / Ms. (Name and residential address of Power of Attorney holder) who is presently employed with us and holding the position of as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our bid for the captioned Project, including signing and submission of all documents and providing information / responses to the Reserve Bank of India (RBI), representing us in all matters before RBI, and generally dealing with RBI in all matters in connection with our proposal for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

Signature/(s) of the Bidder

Name/(s)

Stamp/Seal of the Bidder

Note:

Power of Attorney should be properly stamped and notarized

Power of Attorney furnished by Contractor shall be irrevocable.



RTGS/NEFT/ECS – MANDATE AUTHORISATION FORM

[illegible][illegible]

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[illegible]

Door No.							Street:											
Location:							District:											
City:							State					PIN						

[illegible][illegible][illegible][illegible][illegible]



NEFT:																			
MICR:																			

RTGS* - "Real Time Gross Settlement", NEFT** - "National Electronic Fund Transfer". MICR Magnetic Ink Recognition Character These "IFSC" Codes are unique numbers of each Branch – " Indian Financial Services Code". For some Branches both the codes are the same and some Banks, may maintain one Code No. for RTGS and another Code No. for NEFT. Hence, please fill-up both the rows, even if it is the same.

10. Nature of the Account: (Tick whichever is applicable & put 'x' mark for the balance two accounts)

Saving Bank Account:	Cash	Credit		Current Account:	
		Account:			

11. Bank Account Number of the Supplier: ©

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

© Fill up from the 1st column. For the balance left out blank columns, please mention 'x' mark. We hereby declare that the particulars given above are correct and complete. If the transaction is delayed for reasons of incomplete or incorrect information, we would not hold MDL responsible.

Date: **Supplier's Seal:** **Authorized Signature of the Supplier:**
Certified that the particulars as per Serial Numbers 2, 7 to 11 are correct as per our records.

Date: Bank's Stamp Authorized Signature of the Officer of the Bank.



Annex 6

Proforma for Indemnifying the Employer against Contract labour Rules/regulations

(On Non-Judicial Stamp Paper of appropriate value)

To,

Regional Director
Reserve Bank of India
Patna-800001

Dear Sir

Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical.

We, M/s (Name of contractor), hereby undertake that we shall comply with all the statutory rules/ regulations with regard to the employment of contract labour and their payment. We also hereby fully indemnify and keep indemnified the Employer, i.e. Reserve Bank of India, against payments to be made to the contract labour and for the observance of the laws in this regard without prejudice to our right to claim indemnity from our sub-contractors.

Yours faithfully,

For _____

Authorised signatory



Annex 7

Proforma for Indemnifying the Employer against Patent Rights
(On Non-Judicial Stamp Paper of appropriate value)

To,

Regional Director
Reserve Bank of India
Patna-800001

Dear Sir

Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarters at Digha, Patna – Civil and Electrical

We, M/s _____ (Name of Contractor) hereby undertake to fully indemnify and keep indemnified the Employer i.e. Reserve Bank of India against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall ourselves pay any royalties, licence fees etc. which may be payable in respect of any article or part thereof included in the contract or damages, cost and charges of all and every sort that may be legally incurred in respect thereof.

In the event of any claims made under or action brought against Employer in respect of any such matters as aforesaid, we shall, on being notified thereof, at our own expense, settle any dispute or conduct any litigation that may arise therefrom, provided that we shall not be liable to indemnify the Employer if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Bank's Engineer in this behalf.

Yours faithfully,

For _____

Authorised signatory

NAME AND ADDRESS OF THE CONTRACTOR:

SIGN & SEAL OF THE CONTRACTOR:

Date:

Place:



Annex 8

FORMAT OF MEASUREMENT BOOK

MB .No. _____ Page No. _____

Tender Item No./ Tender Page No.	Full Description of item of work	Measurements				Quantity
		No.	L	B	D/H	

Abstract of cost for Running/Final Bill

Running Bill no:

M.B. No. _____

Page No. _____

Serial No.	Tender Item No.	Description	Quantity	Rate ₹	Unit	Amount ₹
1	2	3	4	5	6	7



Pre-Contract Integrity Pact

(Ref: clause 42)

1. General

This pre-bid pre-contract Agreement (hereinafter called the "Integrity Pact") is made on _____ day of the month of _____ between, on one hand, the Reserve Bank of India, Estate Department, Patna acting through _____, Regional Director, Reserve Bank of India, Patna (hereinafter called the "PRINCIPAL", which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s _____ represented by Mr. / Ms. _____,(Add designation of the APPLICANT) (hereinafter called the "APPLICANT" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the PRINCIPAL proposes to invite tender for the Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical and the APPLICANT is willing to offer/has offered the services and

WHEREAS the APPLICANT is a (please indicate category e.g. private company/ public company/ Government undertaking/ partnership, etc.) constituted in accordance with the relevant law in the matter and the PRINCIPAL is a statutory body performing its functions under the Reserve Bank of India Act, 1934 and other relevant legislations.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:

Enabling the PRINCIPAL to receive the desired services at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and Enabling APPLICANT to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the PRINCIPAL will commit to prevent corruption, in any form, by its officials by following transparent procedures. The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

2. Commitments of the PRINCIPAL

2.1.1 The PRINCIPAL undertakes that no official of the PRINCIPAL, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or



through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the APPLICANT, either for themselves or for any person, organisation or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

2.1.2 The PRINCIPAL will, during the pre-contract stage, treat all APPLICANTS alike, and will provide to all APPLICANTS the same information and will not provide any such information to any particular APPLICANT which could afford an advantage to that particular APPLICANT in comparison to other APPLICANTS.

2.1.3 All the officials of the PRINCIPAL will report to the appropriate authority any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2.2 In case any such preceding misconduct on the part of such official(s) is reported by the APPLICANT to the PRINCIPAL with full and verifiable facts and the same is prima facie found to be correct by the PRINCIPAL necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the PRINCIPAL and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the PRINCIPAL the proceedings under the contract would not be stalled.

3. Commitments of APPLICANT

3.1 The APPLICANT commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:

3.1.1 The APPLICANT will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the PRINCIPAL, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

3.1.2 The APPLICANT further undertakes and declares/represents that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the PRINCIPAL or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the PRINCIPAL for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with the PRINCIPAL.

3.1.3 APPLICANT shall disclose in writing the name and address of representatives and Indian APPLICANTS shall disclose their foreign principals or associates.



3.1.4 APPLICANT shall disclose in writing the payments to be made by them to any intermediary, in connection with this bid/contract.

3.1.5 The APPLICANT, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose in writing payments, if any, he has made / is committed to or intends to make to officials of the PRINCIPAL or their family members or any other intermediaries in connection with the contract or otherwise and the details of services agreed upon for such payments.

3.1.6 The APPLICANT will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

3.1.7 The APPLICANT will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

3.1.8 The APPLICANT shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the PRINCIPAL as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier, without written consent of the PRINCIPAL. The APPLICANT also undertakes to exercise due and adequate care lest any such information is divulged.

3.1.9 The APPLICANT commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

3.1.10 The APPLICANT shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.1.11 If the APPLICANT or any employee of the APPLICANT or any person acting on behalf of the APPLICANT, either directly or indirectly, is a relative of any of the officers of the PRINCIPAL, or alternatively, if any relative of an officer of the PRINCIPAL has financial interest/stake in the APPLICANT's firm, the same shall be disclosed in writing by the APPLICANT at the time of filing of tender. The term 'relative' for this purpose would be as defined in Section 2(77) of the Companies Act, 2013 of India.

3.1.12 The APPLICANT shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the PRINCIPAL

4. Previous Transgression

4.1 The APPLICANT declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company/entity in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify APPLICANT's exclusion from the tender process.



4.2 The APPLICANT agrees that if it makes incorrect statement on this subject, APPLICANT can be disqualified from the procurement process or the contract, if already awarded, can be terminated for such reason.

5. Earnest Money (Security Deposit)

5.1 While submitting the Bid in the main tender, the APPLICANT shall deposit an amount as may be specified by the PRINCIPAL in the main tender (as Earnest Money/Security Deposit) with the PRINCIPAL through instruments, the detail of which along with the amount will be notified by the PRINCIPAL in the main tender.

5.2 In case of the successful APPLICANT, a clause would also be incorporated in the Article pertaining to Performance Bond (Performance Bank Guarantee and / or Security Deposit) in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the PRINCIPAL to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6. Sanctions for Violations

6.1 Any breach of the aforesaid provisions by the APPLICANT or anyone employed by it or acting on its behalf (whether with or without the knowledge of the APPLICANT) shall entitle the PRINCIPAL to take all or any one of the following actions, wherever required:

6.1.1 To immediately call off the precontract negotiations / proceedings with applicant without assigning any reason or giving any compensation to the APPLICANT. However, the proceedings with the other APPLICANT(s) would continue.

6.1.2 The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the PRINCIPAL and the PRINCIPAL shall not be required to assign any reason therefore.

6.1.3 To immediately cancel the contract, if already signed, without giving any compensation to the APPLICANT.

6.1.4 To recover all sums already paid by the PRINCIPAL, and in case of an Indian APPLICANT with interest thereon at 2% higher than the prevailing six months Marginal Cost of funds-based Lending Rate (MCLR) of State Bank of India, while in case of APPLICANT from a country other than India with interest thereon at 2% higher than the six months LIBOR. If any outstanding payment is due to the APPLICANT from the PRINCIPAL in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.

6.1.5 To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the APPLICANT, in order to recover the payments, already made by the PRINCIPAL, along with interest.



6.1.6 To cancel all or any other Contracts with the APPLICANT. The APPLICANT shall be liable to pay compensation for any loss or damage to the PRINCIPAL resulting from such cancellation/rescission and the PRINCIPAL shall be entitled to deduct the amount so payable from the money(s) due to the APPLICANT.

6.1.7 To debar the APPLICANT from participating in future bidding processes of the PRINCIPAL for a minimum period of five years, which may be further extended at the discretion of the PRINCIPAL.

6.1.8 To recover all sums paid in violation of this Pact by APPLICANT(s) to any middleman or agent or broker or any other intermediary with a view to securing the contract. In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the PRINCIPAL with the APPLICANT, the same shall not be opened.

6.1.9 Forfeiture of Performance Bond in case of a decision by the PRINCIPAL to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.2 The PRINCIPAL will be entitled to take all or any of the actions mentioned at para 6.1.1 to 6.1.9 of this Pact also on the commission by the APPLICANT or any one employed by it or acting on its behalf (whether with or without the knowledge of the APPLICANT), of an offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

6.3 The decision of the PRINCIPAL to the effect that a breach of the provisions of this Pact has been committed by the APPLICANT shall be final and conclusive on the APPLICANT. However, the APPLICANT can approach the Independent Monitor(s) appointed for the purposes of this Pact.

7. Fall Clause:

The APPLICANT undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU or any other unit owned by Government of India / the PRINCIPAL and if it is found at any stage that similar product/systems or sub systems was supplied by the APPLICANT to any Ministry/Department of the Government of India or a PSU or any other unit owned by Government of India / the PRINCIPAL at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the APPLICANT to the PRINCIPAL, if the contract has already been concluded.

8. Independent Monitors

8.1 The PRINCIPAL has appointed Shri Divya Prakash Sinha, IPS (Retd.) (email id – dpsinha.ips@gmail.com) as the Independent monitor (hereinafter referred to as Monitor) for this Pact.



8.2 The task of the Monitor shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

8.3 The Monitor shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

8.4 Both the parties accept that the Monitor have the right to access all the documents relating to the project/procurement, including minutes of meetings.

8.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the PRINCIPAL.

8.6 The APPLICANT(s) accepts that the Monitor has the right to access without restriction to all project documentation of the PRINCIPAL including that provided by the APPLICANT. The APPLICANT will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project

documentation. The same is applicable to sub-consultants. The Monitor shall be under contractual obligation to treat the information and documents of the APPLICANT/Subcontractor(s) with confidentiality.

8.7 The PRINCIPAL will provide to the Monitor sufficient information about all meetings among the parties related to the project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.

8.8 The Monitor will submit a written report to the designated Authority of PRINCIPAL within 8 to 10 weeks from the date of reference or intimation to him by the PRINCIPAL / APPLICANT and, should the occasion arise, submit proposals for correcting problematic situations.

9. Facilitation of Investigation

9.1 In case of any allegation of violation of any provisions of this Pact or payment of commission, the PRINCIPAL or its authorized agencies shall be entitled to examine all the documents including the Books of Accounts of the APPLICANT and the APPLICANT shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

9.2 In the event of any dispute between the PRINCIPAL and APPLICANT where Integrity Pact is applicable, in case, both the parties are agreeable, they may try to settle dispute through mediation before the panel of IEMs in a time bound manner. In case, dispute remains unresolved even after mediation by the panel of IEMs, the PRINCIPAL may take further action as per terms and conditions of the contract.

9.3 Person signing the Integrity Pact shall not approach the Courts while representing the matter to IEMs and he/ she will await their decision in the matter



10. Law and Place of Jurisdiction:

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the PRINCIPAL, i.e., Patna, India.

11. Other Legal Actions:

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

12. Validity

12.1 The validity of this Integrity Pact shall be from the date of its signing and extend upto 5 years or the complete execution of the contract to the satisfaction of both the PRINCIPAL and the APPLICANT, including warranty period, whichever is later. In case an APPLICANT is unsuccessful in empanelment process, this Integrity Pact shall expire after six months from the date of its execution.

12.2 Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

13. The parties hereby sign this Integrity Pact at _____ on _____

PRINCIPAL
Name of the Officer
Designation
Reserve Bank of India
Estate Department
Patna

APPLICANT
Name of the Authorised Signatory
Designation
Name of the Applicant

Witness

1. _____ 1. _____

2. _____ 2. _____



Annex 10

TENDERER'S UNDERTAKING ADDRESSED TO THE BANK

I / we hereby undertake that I/we shall comply with the provisions of "The Sexual Harassment of women at work place (Prevention, Prohibition and Redressal) Act, 2013".

Signature of Tenderer with seal

Note:

Prevention of Sexual Harassment of women at work place (Prevention, Prohibition and Redressal)

- a) The contractor shall be solely responsible for full compliance with the provisions of "the Sexual Harassment of women at work place (Prevention, Prohibition and Redressal) Act, 2013". In case of any complaint of sexual harassment against its employee within the premises of the Bank, the complaint will be filed before the Internal Complaints Committee constituted by the contractor and the contractor shall ensure appropriate action under the said Act in respect to the complaint.
- b) 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.
- c) The contractor shall be responsible for any monetary Compensation that may need to be paid in case the incident involves the employees of the tenderer, for instance any monetary relief to Bank's employee, if sexual violence by the employee of the tenderer is proved.
- d) The contractor shall be responsible for educating its employees about prevention of sexual harassment at work place and related issues.
- e) The contractor shall provide a complete and updated list of its employees who are deployed within the Bank's residential premises.



Annex 11

GUARANTEE TO BE EXECUTED BY THE CONTRACTOR FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF WATERPROOFING WORKS

This agreement made this..... day of Two Thousand between M/s(hereinafter called the GUARANTOR on the one part) and the Reserve Bank of India (hereinafter called the Client on the other part)

WHEREAS THIS agreement is supplementary to a Contract No. dated (Hereinafter called the Contract) and made between the GUARANTOR on the one part and the Bank on the other part whereby the contractor inter alia undertook to render the building and structures in the said contract completely water and leak-proof.

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the affect that the said work will remain water and leak proof, for five years from the date of completion of the work under the contract.

NOW THE GUARANTOR hereby guarantee that work executed by him will render the structures completely leak proof and the minimum life of such water proofing treatment shall be five years to be reckoned from the date of completion of the work under the contract.

Provided that the guarantor will not be responsible for leakage caused by earthquake or structural defects or misuse of roof or alteration and for such purpose:

- (a) Misuse of roof shall mean any operation which will damage proofing treatment, like chopping of firewood and things of the same nature which might cause damage to the roof;
- (b) Alteration shall mean construction of an additional storey or a part of the roof or construction adjoining to existing roof whereby proofing treatment is removed in parts;
- (c) The decision of the Engineer-in-Charge with regard to nature and cause of defect shall be final.

During this period of guarantee, the guarantor shall make good all defects and in case of any defect being found render the building water proof to the satisfaction of the Engineer-in-Charge calling upon him to rectify the defects failing which the work shall



be got done by the Bank by some other contractor at the Guarantor's cost and risk. The decision of the Engineer-in-Charge as to the cost payable by the Guarantor shall be final and binding.

That if the guarantor fails to execute the water proofing or commits breach there under, then the guarantor will indemnify the principal and his successor against all loss, damage, cost expense or otherwise which may be incurred by him by reason of any default on the part of the GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and/or damage and or cost incurred by the Bank, the decision of the Engineer-in-Charge will be final and binding on both the parties.

IN WITNESS WHEREOF these presents have been executed by the obligator..... and by for and on behalf of the RESERVE BANK OF INDIA on the day, month and year first above written.

SIGNED, sealed and delivered by OBLIGATOR in the presence of:

1. 2.

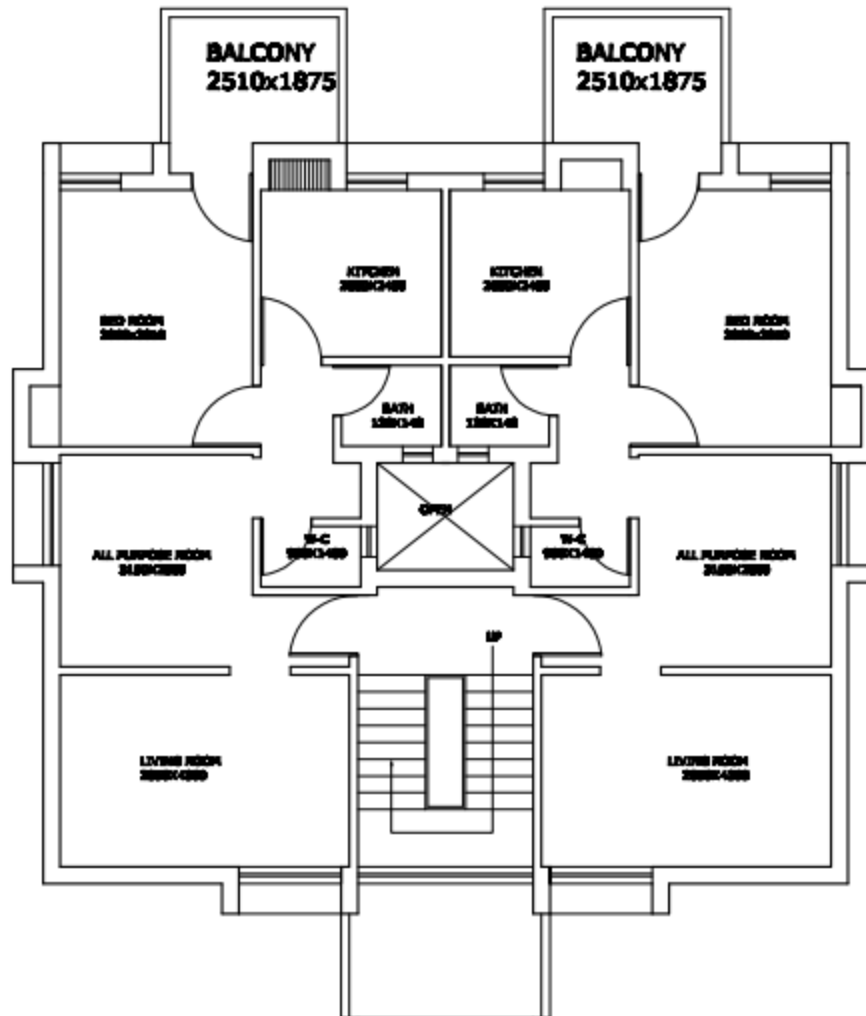
SIGNED FOR AND BEHALF OF THE RESERVE BANK OF INDIA BY in the presence of:

1. 2.



Annex. 12

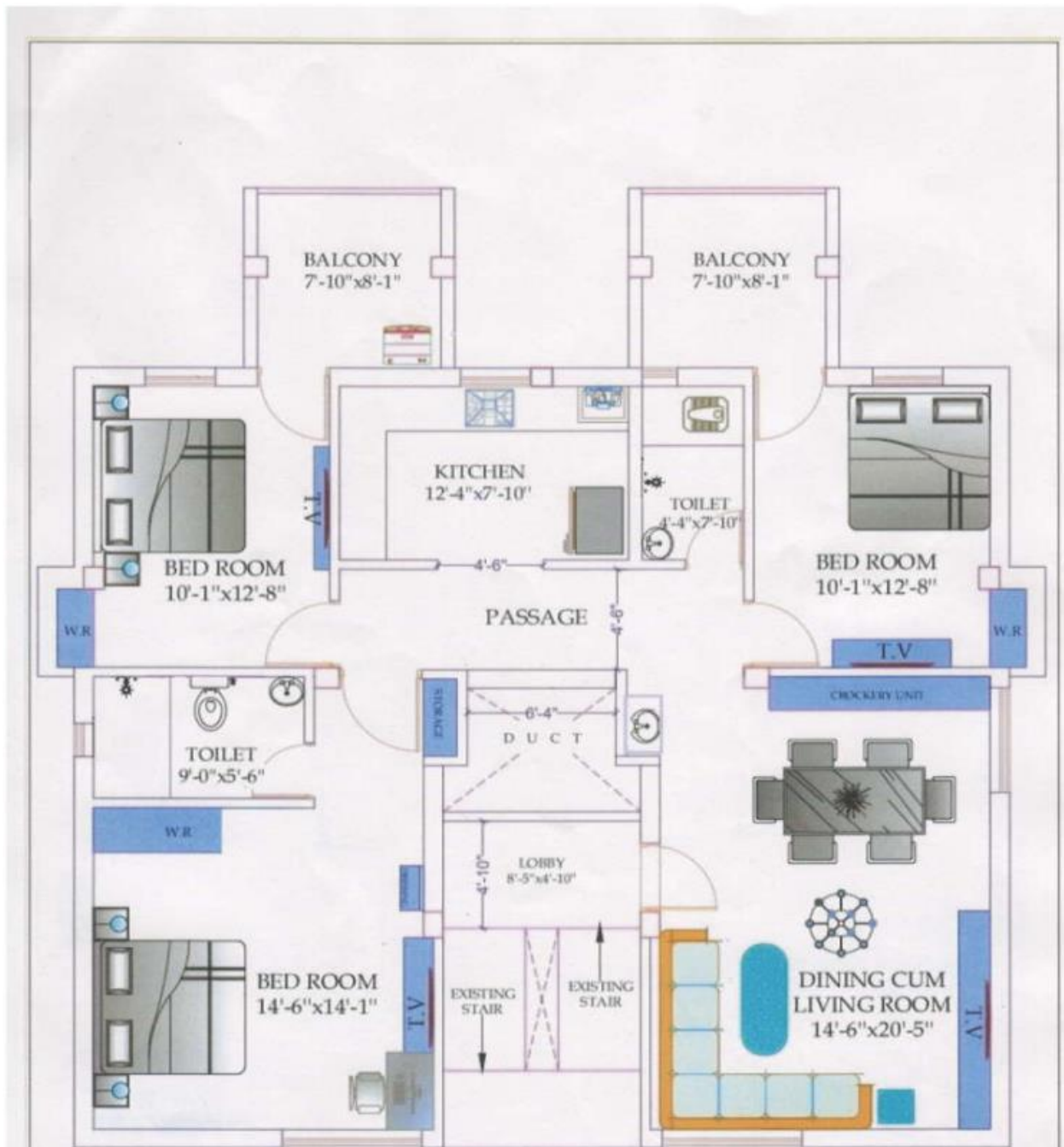
Copy of required Drawings
Existing Layout



BUILT UP AREA-APPROX.137.91SQM.

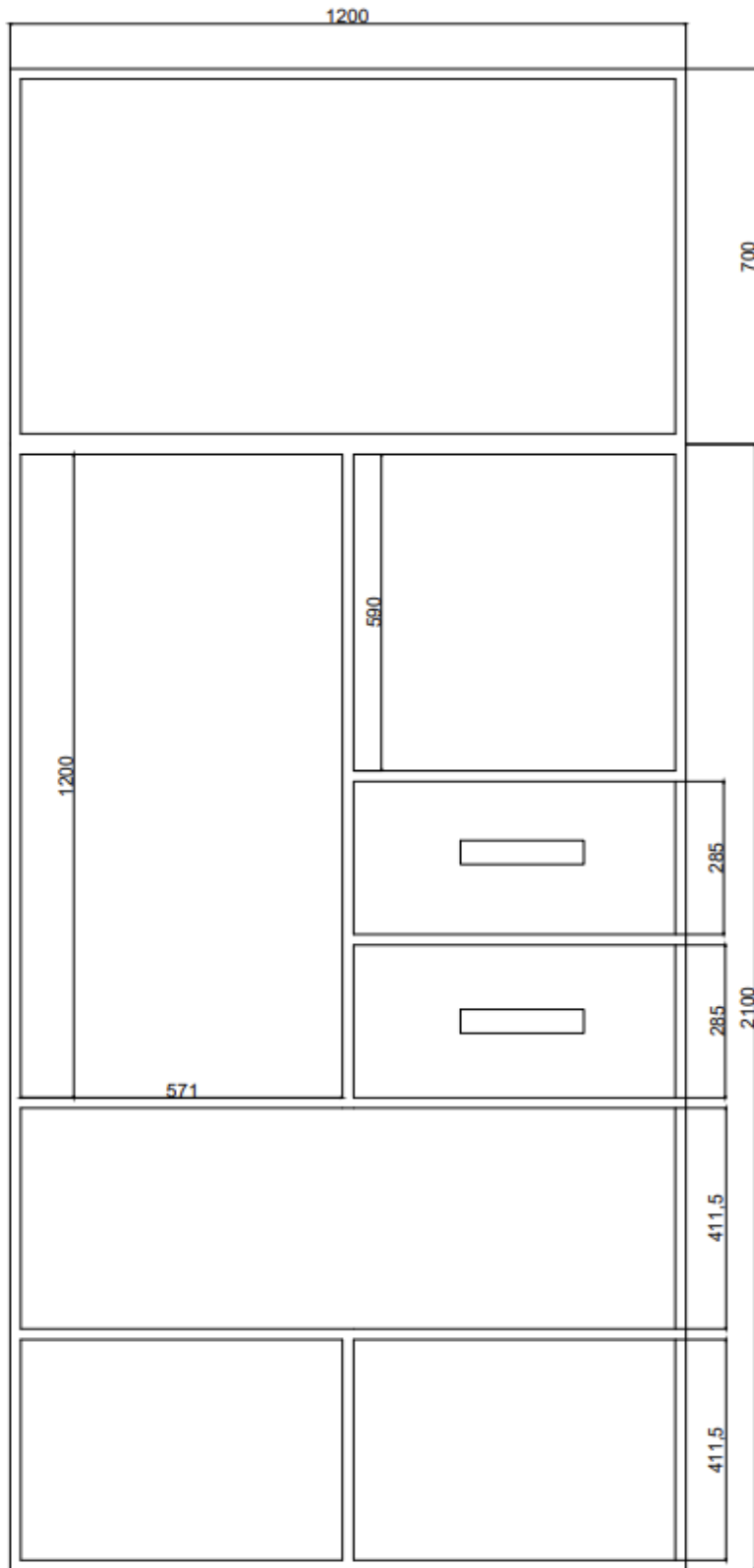


Approved Layout



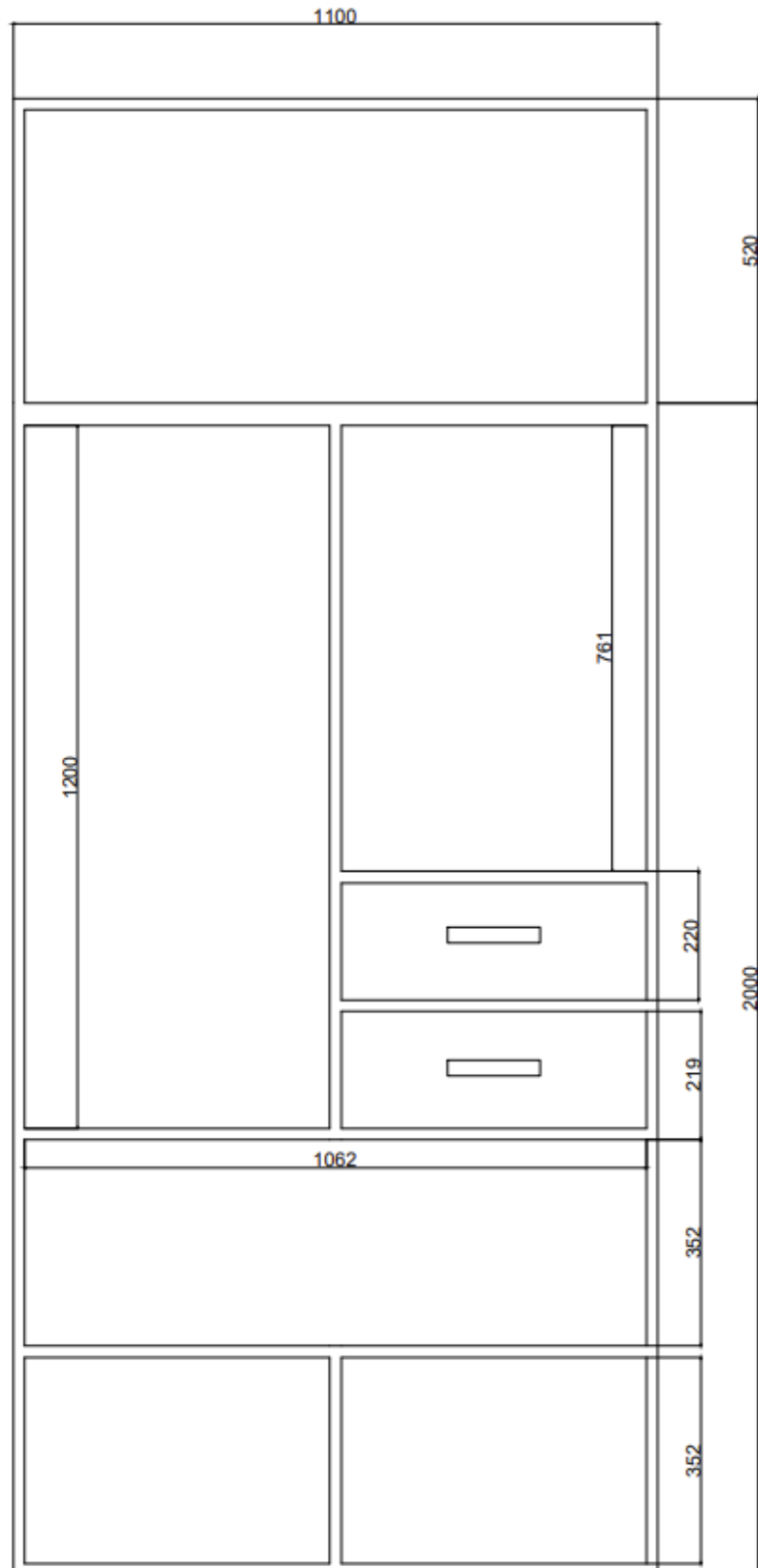


Modular Wardrobe



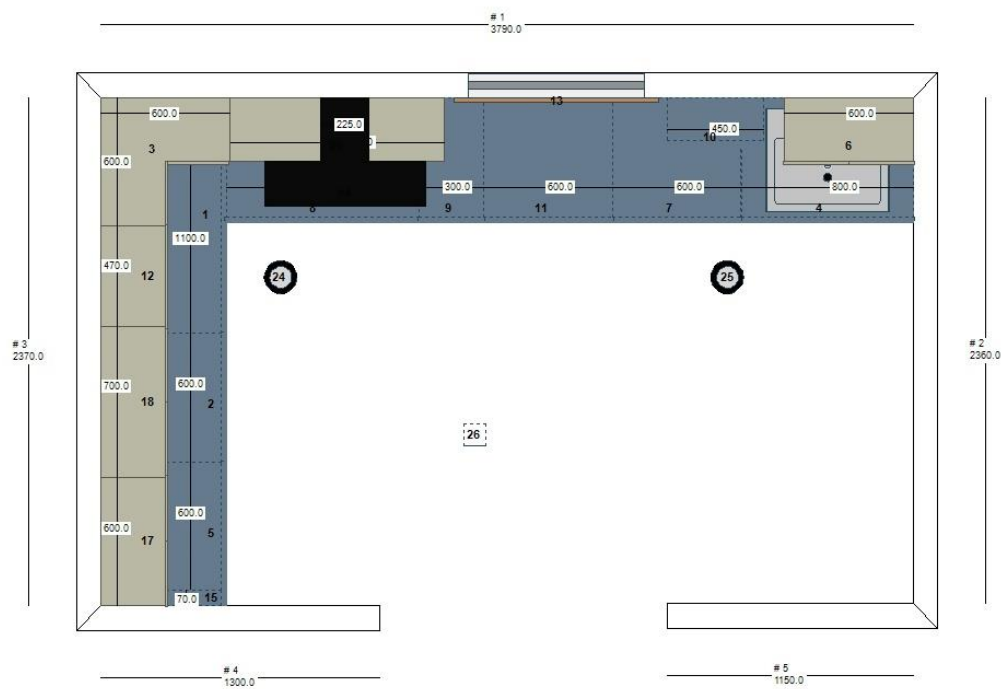


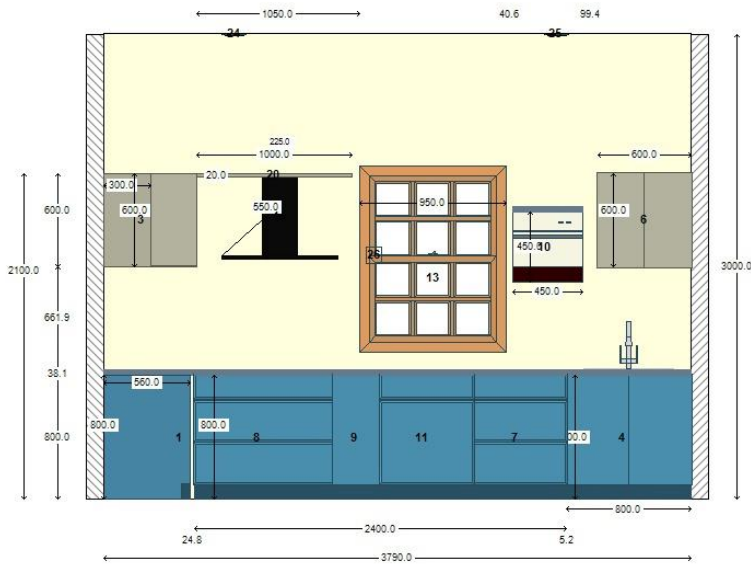
Modular Wardrobe



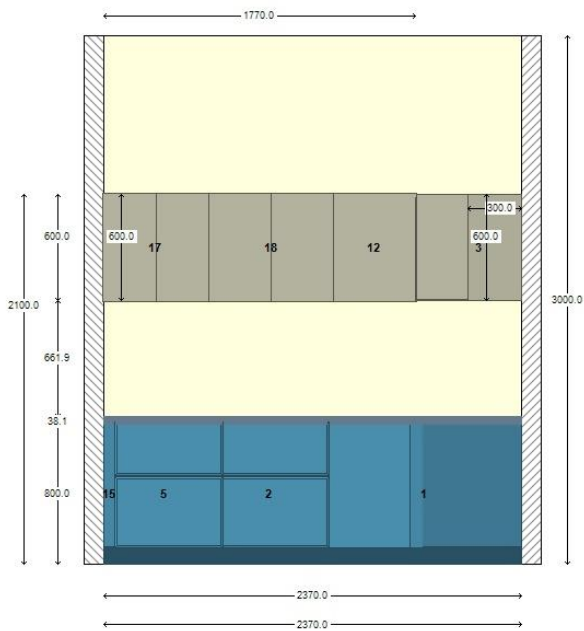


Kitchen Designs





- NO 8- TINGU BASKET 810X505X100MM=1 PC
- DESIGNER BASKET 810X505X150MM=2 PC
- NO 9- PULL OUT FIXED 210X505X530MM=1 PC
- NO.11- TUFF SLENDER (89MM HT.) SIZE 500MM (40KG) WITH BOARD BASE = 1 PC
- EXECUTIVE CUTLERY TRAY 500MM X 550MM = 1 PC
- GRAIN DRAWER BASKET 510 X505X 230MM =1 PC
- NO.7- RIGHT ANGLE BASKET 530X555X100MM=1PC
- RIGHT ANGLE BASKET 530X555X150MM=1PC
- RIGHT ANGLE BASKET THALI 530X555X200=1PC



- NO.1- CYLINDER TROLLY (DIA 290X 100MM) SS=1PC
- NO.2- DESIGNER BASKET 530X505X150MM=2 PC
- NO.5- DESIGNER BASKET 530X505X150MM=2PC



Merger work of existing 146 flats for creation of 73 flats for Grade 'A' Officers at Reserve Bank Staff Quarter at Digha – Civil and Electrical.

Civil Works

Item No.	Description of Item	Qty	Unit
1	Dismantling works:	73	Nos
	<input type="checkbox"/> Carefully dismantling of existing mosaic/ceramic/Vitrified/kota stone, IPS etc. flooring, window sill & wall dado, skirting with backing mortar of entire flat, etc.		
	<input type="checkbox"/> Carefully dismantling of Plaster upto Height 2100 mm from FFL till exposure of bricks in kitchen, bathroom, WC, Passage Wash basin area, etc.		
	<input type="checkbox"/> Carefully dismantling of existing MS/Wooden Windows inclusive of its frame, shutters, grills, holdfast, etc. of entire flat, making good damage surfaces, etc. all complete.		
	<input type="checkbox"/> Carefully dismantling of existing all the internal plumbing & sanitary system till the vertical stack inclusive of its fittings, fixtures & accessories of entire flat including its pipe lines of any diameter as per site etc. all to be completed as directed by Bank's engineer.		
	<input type="checkbox"/> Carefully dismantling of existing brick walls of existing WC (toilet), washbasin area, kitchen and bathroom including doors and frames attached with it to create space for passage and kitchen, master bedroom, dining cum living room, opening for exhaust fan in kitchen, to be done as per drawing or as directed by the Bank's authority. The dismantling work (by manually or mechanically) shall be done in such a way so that it not create any distress signal to other part of building/block.		
	<input type="checkbox"/> Carefully dismantling of loose plaster, damaged concrete of ceiling/ beams/columns etc. shall to be repaired as per the item listed.		
	<input type="checkbox"/> Carefully dismantling & removing brick bat coba, lime concrete, cinder filling, plaster etc. completely exposing the base slab and side brick work of wall to receive fresh plaster, before carrying out waterproofing treatment from sunken floor/floors of toilet, bath, kitchen, etc., wherever required including w.c. pan, traps, pipes, etc.; stacking the scrap material at designated place.		
	<input type="checkbox"/> Carefully dismantling of meat safe with Kota stone top and half brick masonry walls with existing tiles, RCC cooking platform with Kota/Granite stone top, kitchen cabinet with half brick masonry walls with cement plaster, chinaware/stainless steel/Kota sink with brackets, wall mounted concrete / wooden/Kota shelves, etc. as well as medicine chest, looking mirror, geyser, water purifier, GI pipe line, etc. available in the flat and stack the materials at required places as directed.		



	<input type="checkbox"/> Carefully dismantling of the existing cupboards including its shutters, frames etc. all complete as directed by Bank's engineer.		
	<input type="checkbox"/> Carefully dismantling of existing kota stone/IPS /marble mosaic flooring of tread, riser, skirting, landings (mid/floor landings), lobbies, including removal of dead mortar upto top surface of RCC/brick wall of common staircases of the blocks (G+3) for group of flats etc. all complete as directed by Bank's engineer.		
	<input type="checkbox"/> Carefully removing of all electrical wiring, conduits, fitting & fixtures, etc. of inside as well common areas of blocks and stack the material at required place, etc. all complete as directed by Bank's engineer.		
	Removing & disposal of all scrap/debris & unserviceable materials from site to outside the Bank's Premises as per the prevailing local municipal/administration norms. The unserviceable materials shall means the materials like building materials, wooden materials, hardware's fittings, plumbing & sanitary fittings, fixtures, GI/CI pipe lines, electrical wires/ switches/ switchboards / DB removed / casing /capping / conduit, etc. and a rebate shall be quoted in rebate item for taking out the unserviceable materials.		
	<input type="checkbox"/> Note: In this item, cost assessed for two existing class III flats, those will be converted into one officer's flat after merging and will be measured under quantity as one number. The contractor should visit the site before submission of the tender and understand the site conditions.		
2	Full Brick Masonry	174	Cum
	Providing and constructing full brick masonry walls including surface preparation wherever required by using locally available brick of class designation 7.5 for partitions in cement mortar 1:6 (1 cement: 6 Coarse sand) at all heights of the existing building block. Rates are inclusive of scaffolding, curing all to be completed as directed by Bank's Authority. The items shall be executed as per drawing and specifications complete all as per directions of Bank's Engineer.		
3	AAC Block Masonry 150mm	256	cum
	Providing and laying Autoclaved Aerated concrete (AAC) blocks masonry with 150 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as directed by Bank's Engineer.		
4	Reinforcement Steel	2100	Kg



	Providing, bending, binding, cutting and laying reinforcement steel for RCC work of different diameter viz. 8mm/10mm/12mm etc., in the concreting works as per directions & instructions of the Bank's Engineer.		
	Thermo-Mechanically Treated bars of grade Fe-500D		
5	Plaster Repair Work in Ceiling	780	Sqm
	Repair to damaged ceiling plaster: Providing and applying 6 mm thick (avg.) plaster in cement mortar 1:3 (1 cement: 3 sand) to ceiling at all heights & levels with all leads & lifts, matching to the surroundings including surface preparation, scaffolding, curing & site cleaning etc., all complete as directed by the Bank's Engineer.		
6	Plaster Repair works	6850	Sqm
	Providing and applying 15 mm or more (as per site requirement) thick plaster in cement mortar 1:4 (1 Cement: 4 sand) to wall surface, etc. at all heights & levels with all leads & lifts, matching to the surroundings including surface preparation, scaffolding, curing & site cleaning etc., all complete as directed by the Bank's Engineer.		
7	External Plaster Repair	770	Sqm
	Providing and applying external plaster in cement mortar 1:4 (1 part Cement: 4 parts sand) of minimum thickness 20 mm (average) or matching with the existing thickness of the plaster whichever is more on exterior wall of the building, matching to the surrounding including providing & mixing of waterproofing chemical with cement mortar as per manufacturer's specification, surface preparation, raking the joints, scaffolding, curing, cleaning, etc. all complete as directed by the Bank's Engineer.		
8	Structural Repair works	146	SQM
	Repairs to damaged RCC members with Polymer Modified Cement Mortar (PMCM)		



	<p>i) Chipping: Carefully chipping of unsound/weak concrete along with top cement plaster from structural members like beams, columns, etc. up to the required depth to expose rusted reinforcement steel all around & sound concrete beneath by manual or mechanical means, surface preparation to receive further treatment, etc.</p> <p>ii) Providing and applying one or more coats of rust remover of approved make to the rusted steel after thorough surface cleaning and removing the rust by steel brush of good quality after application of rust remover as per manufacturer specification, etc.</p> <p>iii) Providing and applying single coat of zinc rich anti corrosive coating such as nitozinc primer to the exposed reinforcement bars on main and lateral links, etc. all complete as directed by Bank's engineer.</p> <p>iv) Providing and applying one coat of polymer cement bonding coat (PCBC) of approved manufacturer on the exposed concrete surfaces as per manufacturer's specifications, etc.</p> <p>v) Providing, mixing and applying polymer modified cement mortar in layers not exceeding 12mm thick upto total thickness of 25mm including trowelling with wooden tools, etc. Polymer shall be mixed in proportion as per manufacturer's specification, application while bond coat is still tacky, etc.</p> <p>vi) The rate shall be included for scaffolding, curing, cleaning, etc. all complete as directed by the Bank's Engineer.</p> <p>vii) The quoted rate shall also be inclusive of providing & fixing temporary supporting props of adequate strength & nos. to the structural members, wherever required as a safety measures as per direction of the Bank's Engineer.</p> <p>Note:</p> <p>a) Only average surface area of treatment shall be considered for measurement. The measurements shall be recorded & signed jointly immediately during and after completion of work.</p> <p>b) All treatments shall be done after obtaining clearance from Bank's Engineer.</p>		
9	Waterproofing Treatment	608	Sqm



	<p>Providing and applying polymer based two compound water proofing treatment to the sunken portion and raised platform of the toilets, baths and kitchen, wet area, etc. by using products of approved make in the following steps:</p> <p>a) Thoroughly cleaning of all surfaces to be treated.</p> <p>b) Providing and applying 20 mm thick water proofing cement plaster 1:4 (1 cement: 4 coarse sand) mixed with water proofing compound as per manufacturer's specifications to the sunken floor/wet area and sides including rounding off junctions / corners with water proofing cement mortar, etc. upto 300mm above FFL, all complete.</p> <p>c) Providing & applying a coat of polymer water proofing primer and two coats of two compound based water proofing polymer/chemical of approved make as per manufacturer's specifications to the sunken floor/floor, sides, etc. upto 300mm above FFL; testing the treated surface by ponding method for 72 hours as per relevant IS Code.</p> <p>d) Repeat the treatment till no seepage is observed on the treated surface.</p> <p>e) Providing and laying 15mm thick protective layer of plain cement plaster in cement mortar 1:4 (1 cement: 4 coarse sand) over the treated surface.</p> <p>Note:</p> <p>(a) The entire sunken portion waterproofing treatment shall be completely leakproof as observed during DLP period (five years for this item). If, any leakage/seepage observed during five year (DLP) the firm is liable/ responsible & accountable to rectify the defects on immediate basis, or redo the entire waterproofing / brick bat coba (applicable for item 9 and 10) work for the same. At this juncture contractor must submit undertaking for warranty & guarantee for above said purpose on non-judicial stamp paper of appropriate value. The cost stamp paper shall be borne by the contractor.</p> <p>(b) The work shall be got done through authorised applicator of the approved brand.</p> <p>(c) Plan area of the sunken floor/floor shall only be considered for payment.</p>		
10	Brick-bat Coba	135	Cum



	Providing and treating sunken floors with brick bat coba in required layers in cement mortar 1:4 (1 cement: 4 coarse sand) mixed with approved water proofing compound as per manufactures specification including surface preparation with cement slurry, finishing the top with cat proof /waterproof /leak proof or any other proprietary joint less plaster or IPS and testing by pounding water etc. complete as directed to receive final flooring.		
11	Plain Cement Concrete	50	Cum
	Providing and laying in position plain cement concrete with nominal mix 1 :2 :4 (1 part cement :2 parts coarse sand : 4 parts stone aggregate 20 mm and down grade) mixed with waterproofing compound of approved make for any kind of work including cost of material, labour, scaffolding, shuttering, placing, compaction, curing, at any lead & levels, etc. all to be completed as directed by Bank's Engineer.		
12	Reinforced Cement Concrete	10.5	Cum
	Providing & laying reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15degree landings, balconies lintels, bands, plain window sills, staircase and spiral staircase above plinth level upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement cement concrete with 1:1.5:3 (1 cement : 1.5 coarse sand (zone III) derived from natural sources : 3 graded stone aggregate 20mm nominal size derived from natural sources.), scaffolding, curing, cleaning , at any lead & levels, etc. all complete as directed by Bank's engineer.		
13	Centring and Shuttering	210	Sqm
	Providing, placing, centring and fair face shuttering including strutting, propping etc. and removal of form for Lintels, beams, columns, slabs, etc. all complete as directed by Bank's engineer.		
14	WPC Door Frame	730	Rmt



	Providing and fixing factory made approved make single extruded WPC (wood polymer composite) solid extruded door frames /chowkhat frame size 2.5 x 5 Inch comprising of virgin PVC polymer, calcium carbonate and natural fibers (wood powder/ rice husk /wheat husk) and non-toxic additives fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, adequate screws withdrawal strength and resistance to spread of frame class A category with property of being termite /borer proof, water/moisture proof and fire retardant and providing & fixed in position with MS hold fast/lugs/SS dash fasteners of required dia. and length complete as per direction of Bank's Engineer. Approx. frame size 2.5 x 5 Inch, Basic rates Rs.956/RMT excluding GST		
15	WPC Door	200	sqm
	Providing and fixing factory made approved make & model single extruded WPC (wood polymer composite) solid plain flush door shutter of Shutter thickness approx. 30mm thick required size comprising of virgin polymer, calcium carbonate and natural fibers (wood powder /rice husk/wheat husk) and nontoxic additives having minimum density of 650 kg/cum and adequate screw withdrawal strength and resistance to spread of flame of class A category with property of being termite /borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk SS screws, all as per direction of Engineer. Shutter thickness approx. 30mm thick. Basic rates Rs.3335.60/SQM excluding GST. Rate shall be inclusive of providing 200mm Brass Aldrop (Basic price Rs. 1075/- excluding GST), 2 nos. -150mm Brass handles (Basic price Rs. 400/- excluding GST), 200mm Brass tower bolt (Basic price Rs. 300/- excluding GST)		
16	Decorative Curtain Rod		
16 (i)	Single-track Decorative Curtain Rod	526	Rmt
	Decorative Curtain Rod: Providing, supplying and fixing the decorative curtain rods of 25mm diameter in single track approved finished material, make & shade etc with required number of brackets, screw wooden plug etc. to fixed the same in such a manner with a proper additional support (if needed) so that curtain rod does not sag., rates are inclusive of scaffolding, working plate etc. All to be completed as directed by the Bank's Engineer. Basic rates Rs. 289/-Rmt excluding GST.		
16 (ii)	Double Track Decorative Curtain Rod	1400	Rmt



	<p>Decorative Curtain Rod: Providing and fixing the decorative curtain rods of 25mm diameter in double track approved finished material, make & shade etc. with required number of brackets, screw wooden plug etc. to fix the same in such a manner with a proper additional support (if needed) so that curtain rod shall not sag., rates are inclusive of scaffolding, working plate etc. All to be completed as directed by the Bank's Engineer.</p> <p>Basic rates are Rs. 289/- Rmt excluding GST. Length of curtain rods shall be measured individually and paid for, for the system.</p>		
17	uPVC Windows		
	<p>Providing and fixing factory made uPVC glazed wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for series mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made required shape & size as per CPWD Specification, uPVC extruded glazing beads, Interlocks and Inline sash adaptor (where SS 304 grade fasteners wing polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367: Part 1 to 14, p plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all c l comers, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Bank's Engineer. Contractor shall produce wind load resistant sufficiency certificate supplied by the manufacturer for seeking approval from Bank.</p>		
	Wire mesh Glazing of plain/ toughened/ laminated/ double glass unit with/without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately.		
	Rate shall be inclusive of providing & fixing glazing of glass (6mm clear toughened) as per manufacturer's specifications		
	Rate shall also be inclusive of sealing the gap between uPVC frame and walls with silicone		



17(i)	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.	701	sqm.
	Using R2 series with frame (70mm & above) x (40mm & above) & both glazed and fly screen sash (25mm & above) x (50mm & above) with zinc alloy (zamak) powder coated touch locks with hook. (Height upto 1.2 metre).		
	Providing & fixing safety grill in window/ventilator's openings of wall as below: - Powder coated aluminium clips/ channels - F channel – 35mm x 20 mm size x 1.5mm with middle support @ max. spacing 600mm with T section of size 40mmx 40mm x 2 mm of approved make & shade. And Aluminium grills – 5/6 mm thickness with diamond shaped openings of approximate size 45 – 50 mm Aluminium grill of approved make with required accessories, etc. all complete.		
	Note: The bottom profile/section shall be provided with appropriate drain arrangement by factory finished slits/ holes with proper slope.		
	Approximate sizes of windows for 1 Flat: Living room- 1 x 1.76m x 1.12m, 1 x 1.49m x 1.15m, Bed room- 2 x 1.31 x 1.13m, Master Bedroom- 1 x 1.74 m x 1.13m, Kitchen- 1 x 0.91m x 1.08m.		
	Note: The above dimensions are approximate. For exact measurements, the vendors are advised to visit the site.		
17(ii)	<p>uPVC Window with Exhaust opening and tilting Glass</p> <p>Ventilator with tilting louver glass panes and fixed glass with opening for exhaust fan of required dia.</p> <p>(i) Design, supply, & installation Ventilator with tilting louver glass panes and fixed glass with opening for exhaust fan of required dia., outer frame profile of windows should be approx. size 58 x 52mm and Sash profile of approximate size 60 x 50mm, wall thickness of profile must be min. 2.0mm.</p> <p>(ii) Tilting /fixed glass should be with 6mm thick Toughened Glass with weather seal EPDM/TPE gasket, tilting type ss heavy duty louver frame of required length etc. as per manufacturers specification.</p> <p>iii) Providing & fixing safety grill in window/ventilator's openings of wall as below: -Powder coated aluminium clips/ channels - F channel – 35mm x 20 mm size x 1.5mm . And Aluminium grills – 5/6 mm thickness with diamond shaped openings of approximate size 45 – 50 mm Aluminium grill of approved make with required accessories, etc. all complete.</p> <p>All glazing shall be internally beaded. The windows shall be designed & installed in such a manner that the glazing or deglazing (for</p>	51	sqm.



	<p>maintenance purposes) can take place without the removal of the sash or frame.</p> <p>Tentative window size per flat: 2 x 0.46m x 0.76m</p>		
	<p>Note: Plan/front elevation area (from inside of the flat) shall be measured and paid for the same. The quantity mentioned in the item is tentative and which may be increased or decreased as per site condition and Bank's decision. Rate shall inclusive of scaffolding, working platform or any other supports required to complete the item.</p>		
18	Repairs to Balcony Railing/Grills	73	kg
	<p>Repairing to m.s. railing/grills with providing & fixing of m. s. hollow tubes/square or round ms bar (as approved by bank), channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary nuts and bolts complete, including fixing the railing/grills with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab/column/wall, etc. with suitable arrangement as per approval of Bank's Engineer, (for payment purpose only weight of new members shall be provided to be considered excluding fixing accessories such as nuts, bolts, fasteners etc.). Rate shall be inclusive of closing the open ends of hollow tubes. The work will be executed in BALCONY etc. all to be completed as directed by the Bank's Engineer and as per existing design shape and size of the bars. The item may be executed as per approved drawing.</p>		
19	Ceramic/Vitrified Tile Wall Dado	4685	sqm
	<p>Providing and fixing approved size, make, finish and shade ceramic /vitrified glossy/matt finish tiles of approved manufacturer in Dado laid on average 12mm-15mm thick cement mortar (1part cement :3 parts fine aggregate) bedding set in cement slurry including jointing with white cement slurry mixed with polymer and matching pigment, cleaning, curing, making good the damages etc. all complete as directed by Bank's Engineer. Exposed elevation area shall only be measured and paid.</p> <p>(Note - Basic cost of tiles Rs. 650/- per sqm excluding GST)</p>		
20	Ceramic/ Vitrified tile Flooring	1625	sqm



	<p>Providing and laying approved make, size, finish and shade ceramic /vitrified non-skid, non-slip tiles of approved manufacturer in flooring, laid to required level, slope and pattern on 20mm thick cement mortar 1:4 (1 part cement: 4 parts sand) bedding set in cement slurry, jointing neatly with white cement mixed with matching pigment, cleaning, curing etc complete as directed by the Bank's Engineer. Exposed plan area shall only be measured and paid for.</p> <p>The basic rate is Rs.550/- per Sqm (excluding GST).</p>		
21	Vitrified Floor Tiles	6585	Sqm
	<p>Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero-chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, levelling system and rubber mallet for placing the tiles gently and easily. The rate shall also include additional cost for extra thickness of mortar/PCC with 10mm & down coarse aggregate for maintaining proper floor level.</p> <p>The basic rate is Rs.650/- per Sqm (excluding GST).</p>		
22	Skirting	789	sqm
	<p>Providing and fixing approximately 100mm/ 150 mm high skirting with vitrified tiles of approved make, size and design (150 mm size to be cut from 600mm x 600mm / 600mm X 1200mm or any approved size tiles as applicable for flooring) wherever required in approved shade, design and pattern, laid on 12mm thick average cement mortar 1:3 (1 cement : 3 coarse sand) bedding tiles in cement slurry, backing grouting joints with white cement slurry mixed with polymer and matching pigment, cleaning, curing etc. all complete as directed by Bank's engineer in-charge. Actual Measurements (elevation area of skirting) of exposed area shall be taken and paid for executed item.</p> <p>The basic rate is Rs.650/- per Sqm (excluding GST).</p>		
23	Granite window/ door sill		



	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. Basic cost of Granite shall be Rs. 2600/- per Sqm excluding GST		
23 (i)	Granite sill doors cement mortar 1:4 (1 cement: 4 coarse sand) at window	353	Sqm
23 (ii)	Granite sill doors with adhesive of approved make for Doors	14	Sqm
24	CPVC Pipe		
	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR-11) , having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. The rate shall be inclusive of connecting the new pipe with old existing pipeline, making holes for crossing the walls and repair/making good the damages matching with surrounding surfaces. All the plumbing fixtures shall be superior quality latest design of approved make/model/brand/manufacture.		
24 (i)	20mm diameter pipe- Internal work - Concealed in wall including machine chasing, laying, concealing and repairing with CM for further treatment (Basic price Rs.125/- per metre, excluding GST)	2774	RM
24 (ii)	25mm diameter pipe- External work (Basic price Rs.206/- per metre, excluding GST)	1625	RM
25	PVC Waste Pipe		



	Providing, laying and fixing in position proper line & slope, approved quality & make PVC pipes (Pressure rating 6 Kg/sqcm.) for concealed / exposed work using pipes in required length with specials for soil / waste line with all fittings and specials like bends, junctions with or without door Tee, Y junction, etc., with sealant caulked, silicone sealant, solvent, adhesive, joints, making connection with PVC trap, existing lines, gully traps, manholes, cutting holes in the walls, closing the same with cement concrete and finishing with cement mortar, providing and fixing heavy quality required clamps, etc. The contractor has to be sealed all the joints junctions so that no leakage seepage should happen after installation. The rate shall also include for scaffolding (wherever applicable), testing, curing, etc. all complete as directed by the Engineer-in-charge. The rate shall be inclusive of connecting the new pipe with old existing pipeline & chamber making holes for crossing the walls and repair/making good the damages matching with surrounding surfaces.		
25 (i)	40mm diameter (Basic pipe excluding GST Rs.52/- per metre)	292	RM
25 (ii)	50mm diameter (Basic pipe excluding GST Rs.81/- per metre)	266	RM
25 (iii)	110mm diameter (Basic pipe excluding GST Rs.339/- per metre)	1600	RM
26	Kitchen Sink with drain board	73	Each
	Providing and fixing in position 304 grade stainless steel sink with drain board of approved make of size (appro.) : 910mm x 510 mm (overall size) x 200 mm Bowl inside depth including 40mm diameter heavy quality CP waste coupling, PVC waste pipe etc. all complete. The quoted rates shall include filling the joints at the junction of sink and granite stone with white cement mixed with matching pigment etc., all completed as directed by Bank's Engineer. Note: Basic rate of sink excluding GST would be Rs.8000.00 each		
27	Carpentry Hardware		



	Supplying and fixing in position the following heavy quality hardware fittings & fixtures of approved quality/brand for door shutters including making grooves, cuttings, necessary screws, bolts, nuts, washers, all complete as directed by Bank's Engineer. The rate shall also include removing of doors including removing of old fittings & fixtures, etc. and cutting the doors to adjust the size as per site requirement and refixing the same by providing new hinges of approved make with necessary screws, all complete as required at site as directed by the Bank's Engineer.		
	Basic Rates mention below is exclusive of GST .		
27 (i)	16 mm. dia.8 inch long Brass Aldrop. (Basic price Rs.1075/-)	438	Each
27 (ii)	150 mm. grip length long Brass plate with handle (Basic price Rs. 525/-)	876	Each
27 (iii)	250 mm. long Brass tower bolts. (Basic price Rs.350/-)	438	Each
27 (iv)	Main door lock of Godrej or approved equivalent. (Basic price Rs.1260/-)	73	Each
27 (v)	Approved quality safety chain Approved quality safety chain for main entry of the flat of 9-inch-long. (Basic Price Rs.150/-)	73	Each
27 (vi)	Approved quality door magic eye brass. (Basic price Rs.250/-)	73	Each
27 (vii)	Heavy quality double leg Brass door stopper. (Basic price Rs.428/-)	438	Each
28	Nahani Trap Providing and fixing in position and testing 110 mm diameter approved heavy quality PVC floor trap along with heavy quality CP Grating including making connection with the existing/ new pipe with sealant, silicone, solvent, adhesive, jointing, etc. complete as directed by the Engineer-in-charge, etc., all complete as directed by Bank's Engineer in-charge.	365	Each



29	Half-Pedestal type Wash basin	146	Each
	<p>Providing & fixing half pedestal type wash basin of approved quality & make, having size 55cm x 40cm including providing & fixing C.P. brass pillar cock mixer (heavy type), angular stop cocks, PVC connector pipes 15mm dia, C.P. waste coupling, PVC waste pipe 32mm up to the floor trap all of approved quality & make, supporting clamps/pipes, filling the joints with white cement by adding pigment of matching shade etc. all complete as directed by Bank's Engineer.</p> <p>Basic cost of wash basin with Pedestal – Rs. 3800/- and basin mixer Rs. 3300/- (all basic rates are excluding GST)</p>		
30	Over Counter Wash Basin	73	Each
	<p>Providing & fixing over counter wash basin of approved quality & make having size 55cm x 40cm including providing & fixing approved make C.P. brass pillar cock (heavy type), angular stop cocks, c p bottle trap, connection pipes 15mm dia. (premium quality), C.P. waste coupling, PVC waste pipe 32mm upto the floor trap of all approved quality & make, filling the joints with white cement by adding pigment of matching shade, making holes in counter for waste coupling/waste pipe line and water supply pipe line etc., all complete as directed by Bank's Engineer.</p> <p>Basic cost of wash basin – Rs. 3800/- and pillar cock- Rs.2500/-, CP bottle trap- Rs.1050/- per pc. (all basic rates are excluding GST)</p>		
31	Water Closet		
31 (i)	Floor Mounted EWC	73	Each
	<p>Providing & fixing approved make & quality white vitreous china Floor Mounted Single set European Water closet with Soft Closing Slim Seat, Cover Hinges, Dual Flush Cistern Fitting, heavy quality connection pipe of 15mm dia., fixing accessories, trap, connection to plumbing/sanitary pipe line etc. all complete including cutting, making good the walls, floors, slab wherever required as per direction of Bank's Engineer.</p> <p>Basic rate of Water closet – Rs. 12000/each (excluding GST)</p>		
31 (ii)	IWC	73	Each
	<p>Providing & fixing approve make & quality White Vitreous China Waste Closet Squatting pan (Orissa Type) along with S or P trap, providing & fixing of approved make & quality pvc dual flushing cistern, pvc flushing connection pipe, heavy quality connection pipe of 15mm dia., with all operation including all necessary materials, labour etc., all complete as directed by Bank's Engineer. Orissa pattern W.C. Pan of size 580x440mm Basic rate of Water Closet Unit – Rs. 1300/each-(excluding GST), basic rate of pvc dual flushing cistern is Rs.1600/- per unit excluding GST.</p>		



32	Toilet Fittings		
	Providing, fixing and testing following approved make & quality/ model C.P. brass bath room and other fittings with flange wherever applicable:		
32 (i)	15mm dia. two ways bib cock of approved make (Basic rate Rs. 1737/- excluding GST)	146	Each
32 (ii)	Angular Stop Cock of approved make (Basic rate Rs.898/- excluding GST)	657	Each
32 (iii)	Health faucet of approved make	146	Each
	Health faucet with 8mm dia. 1 mt. long flexible tube & wall hook matching with other fittings, of approved make. (Basic rate Rs.1280/- excluding GST)		
32(iv)	Button Spout with Button Attachment of approved make (Basic rate Rs.2000/- excluding GST)	146	Each
32 (v)	Shower head/rose round shape with shower arm	146	Each
	Shower head/rose round shape with shower arm casted 190mm long including base plate etc (Basic rate Rs. 2400/- excluding GST)		
32 (vi)	Hand shower with bracket of approved make (Basic rate Rs.1950/- excluding GST)	146	Each
32 (vii)	Sink Mixer for hot and cold water of approved make (Basic rate Rs.3314/- excluding GST)	73	Each
32(viii)	Single towel rail 600mm long of approved make Basic rate Rs.1068/- excluding GST)	146	Each
32 (ix)	Towel ring square of approved make Basic rate Rs. 805/	219	Each



32 (x)	Soap dish holder of approved make (Basic rate Rs.395/- excluding GST)	219	Each
32 (xi)	Tumbler holder of approved make (Basic rate Rs.1310/- excluding GST)	146	Each
32 (xii)	Double coat hook of approved make (Basic rate Rs.450/- excluding GST)	146	Each
32 (xiii)	Glass shelf 600 mm long of approved make (Basic rate Rs.1000/- excluding GST)	146	Each
32 (xiv)	Corner glass shelf (with bracket) of approved make (Basic rate Rs.1110/- excluding GST)	146	Each
32 (xv)	PVC connection with CP Brass nuts 15mm diameter 300 to 450mm long PVC connection with CP Brass nuts and washers of approved make (Basic rate Rs.50/- excluding GST)	584	Each
32(xvi)	Medicine chest acrylic of approved make (Basic rate Rs.1900/- excluding GST)	146	Each
32 xvii	Washing machine bib cock of approved make (Basic rate Rs.1125/- excluding GST)	73	Each
32 (xviii)	Toilet Paper Holder with stainless steel flap of approved make (Basic rate Rs.966/- excluding GST)	146	Each
32 (xix)	Providing and fixing sliding partition customised as per site requirement. (Tentative size 1650mm x 2100mm) of approved make (Basic rate Rs. 20,500/- excl. GST)	73	Each



32 (xx)	Grab Bar 692mm long of approved make (Basic rate Rs.2136/- excluding GST)	73	Each
32(xx)	Concealed Stop Cock (Basic rate Rs.1125/- excluding GST)	219	Each
32 (xxii)	Single lever diverter Single lever diverter consisting of operating lever, cartridge sleeve, wall flange (with seals), button assembly sleeve and button (both concealed body & exposed part & compatible with other fittings of assembly) of approved make (Basic rate excluding GST of concealed body-Rs.3060/- per pc, exposed part- Rs.2500/- per pc)	146	Each
33	Mirror	79	Sqm.
	Providing and fixing 5.0 mm thick good quality and approved manufacturers' mirror (bevel edges) of size 600mm x 600mm with 6 mm thick fibre cement board or waterproof ply duly painted, fixing each unit over the ceramic/vitrified tiles' dado with four nos. stainless steel stud of required size, making required holes in mirror unit, walls, etc. carefully, mending good the damages, etc. all complete as directed by Bank's Engineer.		
34	Granite Platform for counter top wash basin <u>Providing granite platform for counter top wash basin of plan size 740mm x 440mm (appro.).</u> The quoted rates shall include the following:- Providing and fixing minimum 18mm thick machine cut mirror polished approved shade granite stone platform, vertical fascia at vertical edges, etc, cutting adequate chases inside the wall to rest the granite slab, along with p/f of required support and clamps, making hole for pillar cock, fixing granite with adhesive/other arrangements, sealing the joint with silicon sealant, moulding rounding the exposed edges, sealing the joints with wall, all complete as directed by Bank's Engineer. Basic rate for granite stone is ₹ 2600/- sqm. excluding GST.	73	Nos.
35	Granite Staircase Work		



	<p>Granite Staircase work: Providing & fixing in floors of lobby, tread, riser, skirting of stair case of floor minimum 18mm thick one side mirror polished granite stone of approved colour in two shades (in combination) in proper line & level with minimum 20 mm thick (for Tread and Landing)/15mm thick (for Riser and Skirting) 1: 4 cement mortar (1 Cement: 4 Coarse sand) as per detailed specifications as directed by Bank's Engineer and filling the joints with white cement by adding required pigment so as to match with the shade of the granite. Quoted rate should include the cost for providing & making necessary moulding, grinding, polishing etc. on the all edges as per site requirement.</p> <p>Basic Rate of granite slab/stone = Rs.2600/- per Sqm (without GST). Rate shall include the cost of making 3 grooves on the edges of the tread 6-8 mm deep @20mm c/c.</p> <p>Note: Actual Measurements of exposed area shall be taken and paid for executed item. The treads/risers should have to be laid with single piece of granite in each tread/riser.</p>		
35(i)	For Landing and Tread with 20mm thick backing mortar	1500	Sqm
35(ii)	For Riser and Skirting with 15mm thick backing mortar	700	Sqm
36	Modular Kitchen Cabinet	73	Nos.
	<p>Design, Supplying, Fabricating & Installing Modular kitchen sets along with kitchen platform (having structure made of kota/kadappa stone and granite top and sides, fascia etc. of approved shade) with necessary modular unit of marine ply structure and accessories of SS 304 approved make & model basket, hardware-fittings. The approved Marine grade Plywood laminated overhead & under counter storage units, loft shutters, SS sink & electric chimney, with inlet/outlet/exhaust arrangement, etc. complete as directed by Bank's Engineer. The approximate plan area of kitchen is 3790 x 2370 mm approx. The quoted rates shall include the following:-</p>		
	<p>(i) Providing shop design for modular kitchen sets complete for Supplying, Fabricating & Installing Modular kitchen sets along with kitchen platform having structure of kota/kadappa stone and granite top and sides, fascia etc. of approved shade with necessary modular unit of marine ply structure including providing layout, accessories including chimney & sink arrangements, Computer generated 3D Sketch indicating the shape and overall appearance of the proposed Kitchen arrangements.</p> <p>Note: The Reference sketches and measurements are representational indicative only for quoting purpose. As the</p>		



	CONTRACTOR at his own cost shall provide & get the approval from Bank for the design & shop drawings as specified above after the award of work.		
	<p>(ii) Providing and fixing minimum 22mm thick kota/kadapaa stone platform with adequate intermediate vertical support of double layer kadappa/kota (sandwiched) to take the load of granite platform on top and single vertical support to end supports having the compartment for modular cabinets inclusive of cost of adhesives, labour, making LPG pipe connecting hole all complete as directed by Bank's Engineer.</p> <p>Basic rate for kadapa/kota stone is ₹430/sqm</p>		
	<p>(iii) Providing and fixing minimum 18mm thick machine cut mirror polished granite stone platform and facia horizontal and vertical over the kota/kadappa stone platform of modular cabinet cutting adequate chases inside the wall to rest the slab, making LPG pipe connecting hole all complete as directed by Bank's Engineer. sealing the joint with silicon sealant and fixing granite facia at the vertical edges, moulding rounding the exposed edges, making cut outs for sink, sealing the joints with wall, all complete as directed by Bank's Engineer.</p> <p>Basic rate for granite stone is ₹ 2600/sqm.</p>		
	Below platform Counter Base Cabinets:		
	<p>(iv) Carcass of the cabinets: Shall be produced/fabricated underneath the kadappa kitchen platform by erecting vertical partitions at suitable interval including horizontal top & bottom as per the approved shop drawings & necessary site requirements so as to facilitate fixing of shutters / SS drawer basket accessories units with telescopic channels/ fittings auto hinges using approved make 19 mm thick, Marine grade plywood with 0.8 mm thick laminate on both sides white balancing laminate with suitable pvc edge binding tape . The rear side panel of carcass shall be made out of 6 mm thick, marine grade plywood sheet with 0.8mm thick laminate on both sides.</p> <p>Basic rate excluding GST of 19mm ply- Rs.1227/- per sqm., 6mm ply-Rs.648/- per sqm., 1mm THK laminate-Rs.839/- per sqm., 0.8mm thk laminate-Rs.269/- per sqm.</p>		



	(v) Shutters / drawer fascias: Shall be made of 19 mm thick, Marine grade plywood laminated with 1 mm thick high gloss laminate laminate for exposed faces and 0.8mm thick white balancing laminate for inner surfaces with suitable pvc edge binding tape.		
	(vi) Horizontal Shelves: shall be made of 19 mm thick Marine grade plywood laminated with 0.8 mm thick white laminate on both sides with suitable pvc edge banding tape		
	(vii) Each Shutters shall be fixed with 2 nos of Auto close hinges of approved make including necessary S.S screws etc. Basic rate Rs.242/- per pair excluding GST		
	(viii) Drawers with S.S baskets shall be mounted on high precision auto closer telescopic channels of suitable load carrying capacity (approved make and model) for smooth operation. Basic rate Rs.940/- per pair excluding GST		
	(ix) Wire Baskets & accessories of various required sizes as per below mentioned indicative list shall be made of '304 grade' SS wires of approved make & model: -		
	<p>a. Pull out 3 Tier -300mm 1 PC (Basic rate Rs.4462/- per pc. excluding GST)</p> <p>b. Cutlery basket with perforated plate W 536 1 PC (Basic rate Rs.2601/- per pc. excluding GST)</p> <p>c. CTM Plain (536x500x200) 1 PC (Basic rate Rs.2185/- per pc. excluding GST)</p> <p>d. Plain wire basket (4")-600mm Cabinet 1 PC (Basic rate Rs.2745/- per pc. excluding GST)</p> <p>e. Plain Wire basket (6")-600 mm Cabinet 1 PC (Basic rate Rs.3224/- per pc. excluding GST)</p> <p>f. CTM Thali Basket (8")- 600 mm cabinet 1 PC (Basic rate Rs.2712/- per pc. excluding GST)</p> <p>g. Plain wire basket (4")-900mm Cabinet 1 PC (Basic rate Rs.3716/- per pc. excluding GST)</p> <p>h. Plain wire basket (6") - 900mm cabinet 2 PC (Basic rate Rs.4341/- per pc. excluding GST)</p>		



	<p>i. Plain Wire basket (6")-600 mm Cabinet 2 PC (Basic rate Rs.3224/- per pc. excluding GST)</p> <p>j. Innotech Drawer -620mm cabinet 2 pc (Basic rate Rs.5678/- per pc. excluding GST)</p>		
	<p>(x) Each shutter / Drawer shall be provided with brush finished '304 grade Stainless Steel handles' of approved make & model.</p> <p>Basic rate Rs.296/- per piece excluding GST</p>		
	Overhead wall cabinets		
	<p>(xi) Same as item No. (iv) for Carcass of Overhead Cabinets but with 1mm thick high gloss laminate on the exposed surface and 0.8 mm thick balancing laminate on the inner sides. The rear side panel of overhead carcass shall be made out of 6mm thick marine grade plywood sheet with 0.8mm thick laminate on both sides,with pVC edge binding.</p>		
	<p>(xiii) Each Shutters shall be fixed with 2 nos. of Auto close hinges of approved make including necessary S.S screws etc.</p>		
	<p>(xiv) The cabinets shall be firmly installed on the wall using suitable size wooden wedges, S/S screw/ dash fastener, etc. including necessary drilling in all type of brick /rcc wall</p>		
	<p>(xv) Horizontal Shelves: shall be made of 19 mm thick Marine grade plywood laminated with 0.8 mm thick white laminate on both sides with suitable pvc edge binding tape</p>		
	<u>Electrical chimney with Hood:</u>		
	<p>(xvii) Supply, installation, testing & commissioning of approved size and make chimney with minimum suction capacity of 1250 M3/Hr of approved make, for smoke exhaust system with 100/150 mm diameter of aluminium flexible exhaust pipe of adequate length including supply & fixing exit cawl fittings (from building outside) making opening at all level & height in RCC /brickwork wall / window, filling and plugging the hole with waterproof plaster to match with the adjacent surface etc. complete as directed including disposing off and clearing the debris from the premises.</p> <p>Basic rate of El. chimney excluding GST -Rs.22,412/- per unit</p>		
	All other accessories:		
	<p>(xix)The scope of work of modular Kitchen shall also include for the provision of following other accessories like</p>		



	a) Two numbers of Gas cylinder trolleys of S.S 304 Grade with casters of approved make and design. (Basic rate Rs.1154/- per pc. Excluding GST).		
	b) One Number Garbage bin SS 304 grade of approved make and design. (Basic rate Rs.1000/- per pc. excluding GST).		
	c) One Number Detergent holder SS 304 Grade of approved make and design (Basic rate Rs.1000/- per pc. excluding GST).		
37	Wardrobe		
37 (i)	Modular Wardrobe	146	Nos.
	<p>Providing, fabricating & fixing built-in modular wardrobe of size 1100 m (W)x 2000mm (H) (approx.) and upper cabinet appro. size 1100x520 mm (approx.), depth of the cupboard shall be 600mm. The cupboard shall be made out of approved make 19 mm thick MARINE PLYWOOD IS 710 Grade, finished inside with 0.8mm thick approved make laminate and exposed outside with 1mm thick approved make & shade laminate. The rate shall include P/F two shutters made up of 19 mm thick approved make MARINE Block Board IS: 710 Grade & providing teak wood leaping of required thickness (min. 15 mm THK) around the shutters, finish externally with 1 mm thick and internally with 0.8mm thick laminate, the wardrobe shall have minimum four drawers, shelves and partitions all made out of 19 mm thick MARINE PLYWOOD IS 710 grade finished with lamination .8mm thk (on both faces in white colour), with PVC Lipping on all exposed cut edges, and having coat hangers / SS rod for dress hanging. Backing of 6 mm thick approved make WPC, which shall be finished with white laminate (.8mm thk on one side). The height of partitions shall not be more than 450mm except for coat hangers / dress hangers. Portion of wardrobe above 2000mm height from the FFL shall be covered with shutters of 19mm thick MARINE block board finished with laminate as main cupboard's shutter. The work shall also include p/f of required approved make telescopic channel for drawers, auto closing hinges, lock with keys for shutter & drawers, S.S. handles suitable for cupboard, magnetic catchers, tower bolts, SS cloth hanging rod, PVC edge bandage on all exposed cut edges etc, external laminate finished on ply beading around cupboard to filled up the gaps, etc. as all complete as directed by Bank's Engineer. May be executed as per drawing.</p> <p>Basic rate of 19mm ply - Rs. 1227/- Sqm., 19mm blockboard - Rs. 1259/- per Sqm., 1mm laminate - Rs. 839/- per Sqm., 0.8mm laminate - Rs.269/- per Sqm.,</p>		



	<p>telescopic channel -Rs.940/- per pair, auto closing hinge- Rs.242/- per pair, ss handle -Rs.294/- per pc. excluding GST.</p> <p>Note: Approved make Plywood/Blockboard shall have minimum 25 years manufacturer's warranty.</p>		
37 (ii)	<p>Modular Wardrobe</p> <p>Providing, fabricating & fixing built-in modular wardrobe of size 1100 m (W)x 2000mm (H) (approx.) and upper cabinet approx. size 1100x520 mm (approx.), depth of the cupboard shall be 600mm. The cupboard shall be made out of approved make 19 mm thick MARINE PLYWOOD IS 710 Grade, finished inside with 0.8mm thick approved make laminate and exposed outside with 1mm thick approved make & shade laminate. The rate shall include P/F two shutters made up of 19 mm thick approved make MARINE Block Board IS: 710 Grade & providing teak wood leaping of required thickness (min. 15 mm THK) around the shutters, finish externally with 1 mm thick and internally with 0.8mm thick laminate, the wardrobe shall have minimum four drawers, shelves and partitions all made out of 19 mm thick MARINE PLYWOOD IS 710 grade finished with lamination .8mm thk (on both faces in white colour), with PVC Lipping on all exposed cut edges, and having coat hangers / SS rod for dress hanging. Backing of 6 mm thick approved make WPC, which shall be finished with white laminate (.8mm thk on one side). The height of partitions shall not be more than 450mm except for coat hangers / dress hangers. Portion of wardrobe above 2000mm height from the FFL shall be covered with shutters of 19mm thick MARINE block board finished with laminate as main cupboard's shutter. The work shall also include p/f of required approved make telescopic channel for drawers, auto closing hinges, lock with keys for shutter & drawers, S.S. handles suitable for cupboard, magnetic catchers, tower bolts, SS cloth hanging rod, PVC edge bandage on all exposed cut edges etc, external laminate finished on ply beading around cupboard to filled up the gaps, etc. as all complete as directed by Bank's Engineer. May be executed as per drawing.</p> <p>Basic rate of 19mm ply - Rs. 1227/- Sqm., 19mm blockboard - Rs. 1259/- per Sqm., 1mm laminate - Rs. 839/- per Sqm., 0.8mm laminate - Rs.269/- per Sqm., telescopic channel -Rs.940/- per pair, auto closing hinge- Rs.242/- per pair,</p>	73	Nos



	ss handle -Rs.294/- per pc. excluding GST. Note: Approved make Plywood/Blockboard shall have minimum 25 years manufacturer's warranty.		
38	False Ceiling	365	Sqm.
	<p>Providing and fixing false ceiling at all height including providing and fixing frame work made of special sections, power pressed M.S. sheets and galvanised with zinc coating of 120gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25mm x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia. bolts, other flange of cleat fixed to angle hanger fixed with intermediate G.I channels 45x15x0.9mm running at spacing of 1200mm centre to centre, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26mm each having lips of 10.5mm, at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clips made out of 2.64mm dia. x 230mm long GI wire at every junction, including fixing perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partition with the help of rawl plugs at 450mm centre, with 25mm long dry wall screw of size 3.5 x 25 mm at 230 mm c/c. The quoted rate shall also be inclusive of necessary framework for vertical drops, and jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150mm on both side of joint, all as per manufacturer's specification, all complete as per sample flat, specifications and direction of Bank's Engineer with:</p> <p>12.5mm thick tapered edge gypsum plain board confirming to IS: 2095- (part-1) : 2011 (Board with BIS certification marks) in horizontal as well as vertical surfaces</p>		
39	PAINTING WORK IN Flat (Acrylic Emulsion paint)	24150	Sqm



	Wall painting with premium acrylic emulsion paint of interior grade in two or more coats, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Rate shall be inclusive of applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content with water thinnable cement primer on wall surface having VOC content less than 50 grams/litre. Rate shall also include opening of cracks (if any), filling the same with approved putty/crack sealant, preparing the surface all complete as per manufacturer's specifications, scaffolding, proper covering/protecting of all plumbing, carpentry & electrical fittings/fixtures, furniture, etc and cleaning of the area/floor, glass panes, etc. all complete as directed by Bank's Engineer.		
40	PAINTING WORK IN Flat (Enamel Paint)		
40 (i)	PAINTING WORKS FOR WOOD-WORKS	3670	Sqm
	1. Providing and applying two or more coats of 1st quality synthetic enamel paint of approved make and shade over a coat of primer to the wooden surfaces of doors, windows, storage units /cabinets flat including preparation of surface by sand papering, scraping, etc. all complete.		
40 (ii)	PAINTING WORKS FOR METAL-WORKS	365	Sqm
	2. Providing and applying two or more coats of synthetic enamel paint of approved make and shade over a coat of Zinc Chromate primer to the M.S. doors, windows, and any other metallic surface including preparation of surface by sand papering, scraping etc. all complete as directed.		
40 (iii)	PAINTING WORKS FOR STAIRCASE-WORKS	2185	Sqm
	Synthetic Enamel Paint for Staircase (upto 5 feet)		
	Providing and applying two or more coats of synthetic enamel paint of approved make and shade over a coat of primer to the staircase wall including preparation of surface by sand papering, scraping etc. all complete as directed.		
41	OBD Staircase	3458	sqm.
	Providing & applying two or more coats distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) having VOC Content less than 50gm /litre of approved brand and manufacturer including applying additional coats wherever required to achieve even shade & colour. The rate shall also be included scrap out old paint, surface preparation, scaffolding, cleaning, etc. all complete as directed by Bank's engineer.		



42	External Paint in Balcony	2105	sqm.
	Providing & applying two or more coats of Acrylic Smooth exterior paint with silicone additive of approved make & shade over a coat of primer of approved make. Quoted rate shall also be inclusive of scrap out old paint, surface preparation, external wall putty, scaffolding, cleaning, etc all complete as directed by Bank's Engineer.		
43	Wall Putty	24150	sqm.
	Providing and applying white cement-based putty of thickness required to level the surface (minimum 1mm), of approved brand and manufacturer, over old as well as newly plastered wall surface to prepare the surface even and smooth complete including scaffolding, cleaning, etc all complete as directed by Bank's Engineer.		
44	Plinth Protection	625	Sqm.
	Making plinth protection 50mm thick of cement concrete 1:2:4 (1 cement: 2 coarse sand (zone III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling dressing & finishing the top smooth etc. complete as directed by Bank's Engineer.		
	The rates shall be inclusive of dismantling the old plinth protection upto bed level (including PCC, Brick Soling) and its disposal at a municipal approved location, rounding at joints of building and plinth protection and providing slope to plinth protection		
45	Terrace Waterproofing Works	3800	Sqm.
	Providing, mixing and applying SBR Polymer (of approved make) modified cement mortar in proportion of 1:4 (1 cement:4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per manufacturer's specifications and directions of Bank's Engineer. The operation shall be carried out after scrapping and properly cleaning the old surface to remove loose particles/algae etc. with wire brushes, complete in all respect as per the direction of Bank's Engineer and the quoted rate shall be inclusive of all such activities. Rate shall be inclusive of cutting a V-notch along the cracks, clean the area around the crack, remove debris or dust and apply crackfill joint compound of approved make to the crack and spread it evenly all complete as per manufacturer's specification and as directed by Bank's Engineer.		



	25 mm average thickness in 2 layers		
46	Elastomeric liquid water proofing membrane	2400	Sqm.
	<p>Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers of approved make having Sun Reflectivity Index (SRI) of 105 on terrace and parapet walls in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns) all complete as per Manufacturer's specifications and as directed by Bank's Engineer. Rate shall include testing the treated surface by ponding method for 72 hours as per relevant IS Code and repeat the treatment till no seepage is observed on the treated surface.</p> <p>Note (applicable for item 45 and 46): The entire waterproofing treatment shall be completely leakproof as observed during five years post completion of the work. If, any leakage/seepage is observed during five year, the firm is liable/ responsible & accountable to rectify the defects on immediate basis, or redo the entire waterproofing. At this juncture contractor must submit undertaking for warranty & guarantee for above said purpose on non-judicial stamp paper of appropriate value. The cost stamp paper shall be borne by the contractor.</p> <p>Note: The work shall be got done through authorised applicator of the approved brand.</p>		
47	Loft Shutter	146	Nos.
	Providing making and fixing wooden loft shutter in double leaf of required size (tentative size 0.90m x 0.90m) made out of		
	a) Second class teak wood frame of size 65x35 mm on all four sides shall be fixed with necessary screw and rawal plug.		
	b) 18/19 mm thick waterproof/ termite resistant of approved ISI marked waterproof block board for shutter with 6mm thick teak wood lipping on all cut edges.		
	c) Moulding of 32mm x 12mm in section in tapered shape to all side of frame		
	d) 20mm x 20mm stainless hinges		
	e) 1 no. heavy quality 100x10 mm anodized Tower bolt with necessary screws.		
	f) 2 nos. handle of with necessary screws.		



	Rate shall also inclusive of pasting 1mm laminate outside and 0.8mm laminate inside shutter door in shade approved by the Bank and repair the damages to surrounding finishes if any caused during execution of work without any extra charges complete as directed by Engineer-in-charge.		
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Electrical Works

Item No.	Description of item	Qty	Unit
48	Distribution Board: Supply, installation, testing and commissioning of three phase 8 way MCB DB, metal double door factory fabricated, IP 43 protection, earth links in concealed manner complete with loop connections, cable termination, earthing connection etc. comprising of following MCBs complete in all respect as directed by Banks engineer.	73	Nos.
	63 Amps FP RCBO one no with 30 mA sensitivity as incomer		
	20A SP C Curve MCB – 16 nos.		
	10A SP C Curve MCB – 8 nos.		
	(Blank Plate should be provided wherever required to avoid gaps) Blank Plate should be provided wherever required to avoid gaps)		
	Location No. of DBs		
	In front of kitchen1		
	Quantity for one Flat =1No		
49	<u>Circuit wiring for Light fan switch board :</u> Wiring from MCBDB Board to main lighting switch boards in all rooms/toilet using 3 X 2.5 sq. mm. 1100 volt grade multi-stranded copper conductor PVC insulated FRLS wires in suitable dia. ISI mark medium duty PVC conduit (minimum 20/25mm dia.) with required accessories like Bends, Tees, Junction boxes etc. in concealed manner and surface manner (as the case may be) with chase- cutting of wall and making it good with cement plaster of suitable thickness, merging with adjoining area. The surface shall be finished by skilled persons for getting a smooth and merging surface. Rate shall include for provision of modular type switches in a concealed factory fabricated GI modular box of required size mounting plate fixed on respective approved company make switch boxes concealed in wall and plate ceiling rose/ connector/angle holder in junction box. Final connections also shall be made with flexible wires (of suitable rating) etc. Load on each circuit shall not be more than 800 Watts and wiring shall not be carried out through floor.	511	Nos.
	Location No. of circuit		



	Dining cum living room	1		
	Storeroom	1		
	Kitchen	1		
	Common toilet	1		
	Bedroom	1		
	Master Bedroom	1		
	Master BR Toilet	1		
	Total	= 7		
50	Secondary Circuit wiring for Light fan switch board in balcony looped from nearest switch board : Wiring looped from nearest light /fan switch Board to Balcony lighting switch boards using 3 X 2.5 sq. mm. 1100 volt grade multi-stranded copper conductor PVC insulated FRLS wires in suitable dia (20/25mm). ISI mark medium duty PVC conduit with required accessories like Bends, Tees, Junction boxes etc. in concealed manner in wall in concealed manner / surface manner on column, beam, slab (as the case may be) and making it good with cement plaster of suitable thickness, merging with adjoining area. The surface shall be finished by skilled persons for getting a smooth and merging surface. Rate shall include for provision of modular type switches in a concealed factory fabricated GI modular box of required size mounting plate fixed on respective approved company make switch boxes concealed in wall and plate ceiling rose/connector/angle holder in junction box. Wiring shall not be carried out through floor.		146	Nos
	Location	No. of circuit		
	Storeroom's Balcony	1		
	Bed room`s Balcony	1		
	Total per flat	= 2		
51	<u>Light /fan/bell point/exhaust fan point wiring</u> : Wiring from Main Lighting Switch Board to Lighting point/ ceiling fan/bell/exhaust fan but for one light point controlled by one 6 amp. plate type switch with 3X 1.5 sq. mm. 1100 volt grade multi-stranded copper conductor PVC insulated FRLS wires, concealed manner in wall concealed / surface manner on column, beam, slab (as the case may be) in suitable size rigid, suitable size (20/25mm dia) medium duty PVC conduit with required accessories like bends, tees, junction boxes are concealed in wall and ceiling rows / connector / angle holder / junction box etc. as directed by Bank's Engineer along with Sand-cement plaster after wall chasing. Switch for light point above besinand switch of this light shall be fixed with shaver socket point.		2555	Nos.
	Location	No. of Point		
	Dining cum living room	9		
	Passage	2		
	Storeroom	3		



	<table><tr><td>Storeroom's Balcony</td><td>2</td></tr><tr><td>Kitchen</td><td>2</td></tr><tr><td>Common toilet</td><td>3</td></tr><tr><td>Bed room</td><td>3</td></tr><tr><td>Bedroom's Balcony</td><td>2</td></tr><tr><td>Master Bed room</td><td>6</td></tr><tr><td>Master BR Toilet</td><td>3</td></tr><tr><td>Total point per flat</td><td>= 35</td></tr></table>	Storeroom's Balcony	2	Kitchen	2	Common toilet	3	Bed room	3	Bedroom's Balcony	2	Master Bed room	6	Master BR Toilet	3	Total point per flat	= 35		
Storeroom's Balcony	2																		
Kitchen	2																		
Common toilet	3																		
Bed room	3																		
Bedroom's Balcony	2																		
Master Bed room	6																		
Master BR Toilet	3																		
Total point per flat	= 35																		
52	<p>2 way Light Point: One Tube Light point in drawing room controlled by two way switch fixed in Master Bed room .Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in concealed manner in wall in concealed manner / surface manner on column, beam, slab (as the case may be) medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required as directed by Bank's Engineer and mentioned in drawing. (termination of the wire at both ends).</p> <table><tr><td>Location</td><td>No. of points</td></tr><tr><td>Master Bedroom to drawing cum dining room</td><td>1 no</td></tr><tr><td>Total</td><td>= 1</td></tr></table>	Location	No. of points	Master Bedroom to drawing cum dining room	1 no	Total	= 1	73	Nos.										
Location	No. of points																		
Master Bedroom to drawing cum dining room	1 no																		
Total	= 1																		
53	<p>Fan Regulator: Supply and fixing of 2 module 0-4 step electronic regulators of minimum 100 watt for ceiling fans on the existing switch boards.</p> <table><tr><td>Location</td><td>No. of points</td></tr><tr><td>Dining cum living room</td><td>2</td></tr><tr><td>Storeroom</td><td>1</td></tr><tr><td>Storeroom's Balcony</td><td>1</td></tr><tr><td>Bed room</td><td>1</td></tr><tr><td>Bedroom's Balcony</td><td>1</td></tr><tr><td>Master Bed room</td><td>1</td></tr><tr><td>Total</td><td>= 7</td></tr></table>	Location	No. of points	Dining cum living room	2	Storeroom	1	Storeroom's Balcony	1	Bed room	1	Bedroom's Balcony	1	Master Bed room	1	Total	= 7	511	Nos.
Location	No. of points																		
Dining cum living room	2																		
Storeroom	1																		
Storeroom's Balcony	1																		
Bed room	1																		
Bedroom's Balcony	1																		
Master Bed room	1																		
Total	= 7																		



54	<p>AC POINTS: SITC of AC point with comprising of 20 amps socket with switch , suitable size wired using 3x2.5 Sq.m.m. PVC flexible copper FRLS wire, directly from the MCB DB, laid through wall in concealed manner/ surface manner on column, beam, slab (as the case may be) PVC Medium duty conduit pipe(20/25mm dia) complete all accessories as per site requirement on wall as directed By Bank's Engineer along with Sand-cement plaster after wall chasing. (Primary point). (directly drawn from the MCB DB) Wall chasing/cutting for concealing pipes etc. switch shall be installed at accessible height and socket shall be fixed separately at the height as directed by Bank`s engineer.</p> <table><tr><th>Location</th><th>No. of Point</th></tr><tr><td>Dining cum living room</td><td>1</td></tr><tr><td>Storeroom</td><td>1</td></tr><tr><td>Bed room</td><td>1</td></tr><tr><td>Master Bed room</td><td>1</td></tr><tr><td>Total ac point per flat</td><td>= 04</td></tr></table>	Location	No. of Point	Dining cum living room	1	Storeroom	1	Bed room	1	Master Bed room	1	Total ac point per flat	= 04	292	Nos.
Location	No. of Point														
Dining cum living room	1														
Storeroom	1														
Bed room	1														
Master Bed room	1														
Total ac point per flat	= 04														
55	<p>16 Amp secondary point: SITC of independent 16 AMP modular socket controlled by 16 AMP modular switch housed in GI box and modular plate of suitable size wired from primary point in item no. 54 using 3x2.5Sq.m.m. PVC flexible copper FRLS wire laid through wall in concealed manner/ surface manner on column, beam, slab (as the case may be) PVC medium duty suitable size (20/25mm dia) conduit pipe looped from AC point (item no. 54) complete all accessories as per site requirement on wall as directed By Bank's Engineer</p> <table><tr><th>Location</th><th>No. of Point</th></tr><tr><td>Dining cum living room</td><td>1</td></tr><tr><td>Storeroom</td><td>1</td></tr><tr><td>Bed room</td><td>1</td></tr><tr><td>Master Bed room</td><td>1</td></tr><tr><td>Total point per flat</td><td>= 04</td></tr></table>	Location	No. of Point	Dining cum living room	1	Storeroom	1	Bed room	1	Master Bed room	1	Total point per flat	= 04	292	Nos.
Location	No. of Point														
Dining cum living room	1														
Storeroom	1														
Bed room	1														
Master Bed room	1														
Total point per flat	= 04														
56	<p>16/20 Amp Independent point: 16/20 Amp Independent point: SITC of independent 16/20 AMP modular socket controlled by 16 AMP modular switch housed in GI box and modular plate of suitable size using 3x2.5 Sq.m.m. PVC flexible copper FRLS wire laid through wall in concealed manner/ surface manner on column, beam, slab (as the case may be), PVC medium duty suitable size(20/25mm dia) conduit pipe complete all accessories as per site requirement on wall as directed By Bank's Engineer along with Sand-cement plaster after wall chasing. (Directly from the MCB DB) Wall chasing/cutting for concealing pipes etc. shall be done using cutting machine only.</p> <table><tr><th>Location</th><th>No. of Point</th></tr><tr><td>Kitchen (for geyser, Oven)</td><td>2</td></tr></table>	Location	No. of Point	Kitchen (for geyser, Oven)	2	365	Nos.								
Location	No. of Point														
Kitchen (for geyser, Oven)	2														



	Bedroom's Balcony (for washing machine)	1		
	Common toilet (for geyser)	1		
	Master BR Toilet (for geyser)	1		
	Total (Total point per flat)	= 5		
57	6 Amp independent point: SITC of 6 AMP modular socket controlled by 6 AMP modular switch housed in metal box and modular plate of suitable size wired using 3x1.5 Sq.m.m. PVC flexible copper FRLS wire laid through wall in concealed manner/ surface manner on column, beam, slab (as the case may be) PVC medium duty suitable size (20/25mm dia) conduit pipe complete all accessories as per site requirement on wall as directed By Bank's Engineer. (such points to be drawn in one circuit which is directly from MCB Distribution board)		73	Nos.
	Location No. of points			
	Kitchen (for fridge)	1		
	Total point per flat	= 1		
58	6 Amp secondary point: SITC of independent 6 AMP modular socket controlled by 6 AMP modular switch housed in GI box and modular plate of suitable size wired from primary point in item no. 53 using 3x1.5Sq.m.m. PVC flexible copper FRLS wire laid through wall in concealed manner/ surface manner on column, beam, slab (as the case may be) PVC medium duty suitable size(20/25mm dia) conduit pipe looped from nearest 16 amp point /TV socket point/light fan control board complete all accessories as per site requirement on wall as directed By Bank's Engineer.		365	Nos.
	Location No. of points			
	Kitchen (for RO, chimney)	2		
	Dining cum living room (one is near basin)	1		
	Common toilet basin	1		
	Master Bed room Toilet Basin	1		
	Total point per flat=	5		
59	6 Amp Socket point on Light/Fan switch board- SITC of 6 AMP modular socket controlled by 6 AMP modular switch housed in GI box and modular plate of suitable size wired using 3x2.5 Sq.m.m. in Light/Fan switch board.		730	Nos.
	Location No. of points			
	Dining cum living room	2		
	Storeroom	1		
	Storeroom's Balcony	1		
	Kitchen	1		
	Common toilet	1		
	Bed room	1		



	Bedroom's Balcony	1		
	Master Bed room	1		
	Master BR Toilet	1		
	Total	= 10		
60	Combined socket point for TV/laptop/ computer/mixer: Wiring with 3x1.5 sq.mm FRLS PVC insulated flexible copper wire in concealed manner/ surface manner on column, beam, slab (as the case may be) PVC medium duty suitable size (20/25mm dia) conduit pipe and supply, fixing, testing and commissioning of 2 Nos. of 6 amp independent modular socket controlled by 2 Nos. of 6 amp independent modular switch fixed on modular plate and concealed metal box etc. (such points to be drawn in one circuit which is directly from MCB Distribution board)		584	Nos.
	Location	No. of points		
	Dining cum living room	2		
	Kitchen	1		
	Storeroom	1		
	Storeroom balcony (for inverter point)	1		
	Bed room	1		
	Master Bed room	2		
	Total	= 8		
61	Cable TV point : Supply & Providing wiring for TV cable point with wiring, for hall and three bedrooms independently from a central location with RG-6 co-axial cable in PVC medium duty suitable size (20/25mm dia) conduit pipe concealed manner / surface manner on column, beam, slab (as the case may be) as described in item no 50 near combined power sockets for TV. The rate shall include for providing modular TV sockets with respective make, required size mounting plate fixed on metal box concealed in wall, termination of the TV cable at both ends. (Each cable shall be laid up to the terrace of respective block, and loose cable of minimum 3 mtr length shall be rolled and tagged properly as directed by Bank's engineer.) Rate quoted shall be inclusive of charges for scaffolding (if required) for laying TV cables up to the terrace.		365	Nos.
	Location	No. of points		
	Dining cum living room	2		
	Storeroom	1		
	Bed room	1		
	Master Bed room	1		
	Total	= 5		



62	Telephone Point: Supply & Providing wiring for telephone point by providing a junction box at the entrance of the Block (krone MDF box) and at the location in each flat advised by Bank's Engineer connecting to the incoming intercom cable with two pair 0.5 mm. dia copper conductor PVC insulated PVC sheathed telephone cable in suitable dia PVC medium duty conduit concealed manner / surface manner on column, beam, slab (as the case may be) as described in item 48. Rate shall include for providing of 1 nos. of telephone RJ-11 jacks with respective make required size mounting plate fixed in metal box concealed in wall, termination of the telephone wire at both ends.	73	Nos.
	Location No. of points		
	Dining cum living room 1		
63	Same as item no. 62 but with looping of above telephone point from a common junction to be provided in 3 bedrooms.	219	Nos.
	Location No. of points		
	Storeroom 1		
	Bed room 1		
	Master Bed room 1		
	Total = 3		
64	Internet connectivity : Supply & Providing wiring for Optical fiber point by providing a junction box at the entrance of the terrace by providing small form factor pluggable (SFP) module with Box and connecting to the incoming 4F UNI optical fiber cable in minimum 20mm dia PVC medium duty conduit in concealed manner / surface manner on column, beam, slab (as the case may be). Rate shall include for providing and crimping of 2 nos. of SFP module crimping with cable at both ends.	146	Nos.
	Location No. of points		
	master bed room and dining room 2		
65	Supply, installation, testing and commissioning (SITC) of Ding- Dong call bell with connections and with PVC box all accessories as per site requirement as complete directed by Bank's Engineer.	73	Nos.
	Location No. of points		
	Passage 1		
66	Supply, Installation of 4 feet LED light fitting including connection with flexible wire.	438	Nos.
	Location No. of 4 feet fitting		
	Kitchen 1		
	Dining cum drawing room 2		
	Bed room 1		
	Master Bed room 1		
	Storeroom 1		



	Total in a flat = 6		
67	Supply, Installation of 2 feet LED light fittings including connection with flexible wire.	219	Nos.
	Location No. of 2 feet fitting		
	Dining cum drawing room Basin 1		
	Master Bed room basin 1		
	Storeroom basin 1		
	Total in a flat = 3		
68	Supply and Installation of company fabricated plastic body exhaust 300 mm fan, pvc good quality PVC blade and inbuilt louvers .	146	Nos.
	Location No. of exhaust fan		
	Bathroom 2		
69	Metal body EXHAUST fan (400-450mm) with metal gravity louvers : Supply, Installation, testing and commissioning of metal body double ball bearing exhaust fan with supply and fixing of metal gravity louvers approved make by using nut bolts, chasing cutting for making hole in wall fixing of fan and louvers etc. complete in all respect as directed by Banks Engineer.	73	Nos.
	Location No. of exhaust fan		
	KITCHEN 1		
70	Ceiling fan (1400mm) :Supply, Installation, testing and commissioning of double ball bearing ceiling fan approved make by using nut bolts, rod etc. complete in all respect as directed by Banks Engineer.	365	Nos.
	Location No. of		
	Dining cum drawing room 2		
	Master Bed room 1		
	Bed room 1		
	Storeroom 1		
	Total in a flat = 5		
71	Metal body Wall fan (400-450mm) : Supply, Installation, testing and commissioning of metal body wall fan approved make by using nut bolts, chasing cutting for making hole in wall fixing of fan etc. complete in all respect as directed by Bank`s Engineer.	73	Nos.
	Location No. of wall fan per flat		
	Kitchen 1		
72	Ceiling fan (900mm) :Supply, Installation, testing and commissioning of double ball bearing ceiling fan approved make by using nut bolts, rod etc. complete in all respect as directed by Banks Engineer.	146	Nos.



	Bed room Balcony	1		
	Store room Balcony	1		
	Total in a flat = 2			
73	Supply, Installation, testing and commissioning of 25 Ltr Vertical Geysers with ABS body, dimension of minimum 444x444x383 mm or suitable size shall be fit in to Bath room of approved make by using anchor fastener, providing electrical connection, SS connecting pipe and commissioning of geyser etc. complete in all respect as directed by Banks Engineer. Make - AO Smith HSE-SDS-25 or any equivalent as approved by Bank`s engineer.		146	Nos.
	Location	No. of gyeser		
	Common Bath room	1		
	Master Bed room Bath room	1		
	Total in a flat = 2			
74	Supply, Installation, testing and commissioning of 6 Ltr Vertical Geysers with ABS body, dimension of geyser minimum 317x317x258 mm or suitable size shall be fit into Kitchen of approved make by using anchor fastener, providing electrical connection, SS connecting pipe and commissioning of geyser etc. complete in all respect as directed by Bank`s Engineer. Make shall be approved by Bank`s Engineer.		73	Nos.
	Location	No. of		
	kitchen	1		
75	EARTHING: Cost for providing compounding / chemical earth electrode pure copper bonded minimum dia 80mm length approx. 3.0 meter at least at a depth of 10 feet including earthing chamber with GI cover plate (IS: 4043/1966 amended till date) and as directed by Bank`s engineers. Chemical Earthing (size 80mm x 3meter long) along with Earthing Strip: Providing and fixing 25 mm X 5 mm GI earthing strip (Lumpsum 10 meter each for 19 block) on surface or in recess for connections etc. from earthing to meter panel with providing of GI link etc. complete in all respect as directed by Bank`s engineer.		38	Nos.



76	<p>Meter panel: Supply, installation, testing, commissioning of cubical type floor mounted with suitable (C channel 4 inch) MS Angle Iron stand (as per site requirement) Low voltage switchgear and control gear assembly (L.T. panel) with comprising of 200 Amp. tinned copper Bus Bar of electrolytic grade, Bus cable alley switch gear /MCCBs of following capacity and all as per specifications etc. given in tender. The panel will be confirm to IS8623/IEC-439 including carefully dismantling of existing old panel and existing meter disconnection of end connections and redressing of all cable with all accessories from the panel etc. and installation of new panel made of Mild steel (MS) with 2.0mm thickness powder coated on same place including all end termination/connections of all existing cables with the using of lugs/glands as per site requirement of existing cable size etc. complete in all respect as directed / approved by Bank`s Engineer. The panel size and cutout size with cover provision for meter will be confirm up to quantity Five nos. of 12 kw meter as per Local Electricity supply authority. Panel should have RYBNE (Red, Yellow, Blue, Neutral, Earthing) of Phase wise color-coded busbar. All Busbar size of the panel should be equal (R=Y=B=N=E). The current density for selection of size of tinned copper Bus Bar area (mm square) should be of Aluminum Bus bar should be calculated 0.8 amps per square millimeter current density. For Size and layout of meter panel, the contractor shall obtain approval from the Bank before starting the work. The meter panel shall be procured of the colour and size with danger mark in accordance with written approval of The Bank and should have a striking finish.</p> <p>Incoming (a) 200 Amp 4 pole MCCB 25kA Thermomagnetic release based with Overload and short circuit fault protection & spreader links, Neutral links for termination for 200AMP with rotary handle extended type front operating handle and current metering module (display metering) and RYB LED phase indicator - One No.</p> <p>Outgoing (a) 63 Amp 4 pole, C curve MCB - 5Nos. (b) 20AMP DB MCB C curv-2no</p>	19	Nos.												
77	<p>Inverter wiring for 73 flats: Wiring for inverter point by 1.5 sq mm FRLS copper wire, which would be connected to MCBs for following points in each flat:</p> <table><tr><td>Location</td><td>No. of points</td></tr><tr><td>Dining Room cum living room</td><td>3(1 light, 2fan)</td></tr><tr><td>Master Bed Room</td><td>2(1 light, 1 fan)</td></tr><tr><td>Bed Room</td><td>2(1 light, 1 fan)</td></tr><tr><td>Store Room</td><td>2 (1 light, 1 fan)</td></tr><tr><td>Kitchen</td><td>2(1 light, 1 RO)</td></tr></table>	Location	No. of points	Dining Room cum living room	3(1 light, 2fan)	Master Bed Room	2(1 light, 1 fan)	Bed Room	2(1 light, 1 fan)	Store Room	2 (1 light, 1 fan)	Kitchen	2(1 light, 1 RO)	73	Nos.
Location	No. of points														
Dining Room cum living room	3(1 light, 2fan)														
Master Bed Room	2(1 light, 1 fan)														
Bed Room	2(1 light, 1 fan)														
Store Room	2 (1 light, 1 fan)														
Kitchen	2(1 light, 1 RO)														



78	Sub-main wiring: Sub main wiring: Supply & laying of 4C X 10 Sqmm Copper FRLS armored cables 1100 V grade with 2 run 12 SWG bare GI wire with all accessories partly over wall/surface with all necessary accessories like saddle, glands, lugs, cable termination etc. from meter four pole MCB to flat DB etc. complete as in all respect with supply and fixing of suitable size GI cable tray directed by Bank's Engineer. Cable tray thickness should not be less than 2.0mm	1316	meters
79	Staircase wiring for each block: wiring for 5 nos. Light points in staircase area with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in recessed manner medium class PVC conduit, modular switch, modular plate, suitable GI box and earthing the point etc. complete in all respect directed by Bank's Engineer and mentioned in drawing. ceiling rose with wire termination at each floor shall be in scope of work. Point per block-1 no.	19	Nos.
Sub-Total (inclusive of all taxes)			
80	Rebate		
(i)	Civil Item: Rebate for taking away the scrap/salvageable items generated from dismantling including existing old sanitary /plumbing fittings & fixtures, window, wooden shutters, pipelines etc. complete all as directed.	73	Flat
(ii)	Electrical Item: Removing and taking away old electrical removed from 73 flats (The contractor may see the items available in the flats and quote accordingly) Rebate for dismantling and taking away the existing wiring materials, electrical panel, light fittings, DBs, ICDP Switches, Switch Board, Tube Lights, Bracket Lights and Ceiling Fans, etc. (Excluding RO Purifiers) Complete as directed (The Contractor may see the items available in the flats and quote accordingly). Rebate offered shall be inclusive of all taxes, labour, transportation, etc.	01	Lump Sum

Place: -

Date: -

Signature of Bidder