

Tender ID:LHOPAT/2025-26/11/02

Date:26.11.2025



PREMISES & ESTATE DEPARTMENT,
State Bank of India,
Local Head Office, 8th Floor,
West Gandhi Maidan,
Patna : 800001

Technical Bid

NOTICE INVITING TENDER

For the work of:

**CONSTRUCTION OF MULTI-STOREY BUILDING
FOR
ADMINISTRATIVE OFFICE, RBO, SBILD, SME BRANCH, RASMEC, AMCC AND
GUEST HOUSE AT BANK PLOT OF LAND AT DEOGHAR**

Tender Submitted By :

Name of Vendor : _____
Address of Vendor : _____
GSTN No. of Vendor : _____
Date : _____

The Assistant General Manager (Premises & Estate),
STATE BANK OF INDIA
Premises & Estate Dept.,
Local Head Office, 8th Floor,
West Gandhi Maidan,
Patna : 800001

Architect & Project Management Consultant

M/s D.K. & Associates
A-385, Defence Colony,
New Delhi-110024

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1. NOTICE INVITING TENDER (E-NIT)

Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar, Jharkhand.

The details of the tender are as under:

S.No.	Particulars	Description
1	Name of the work	Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar, Jharkhand
2	Estimated Project Cost put to tender	Total Cost = Rs. 42,91,13,940/- Plus GST i) Civil Construction, Plumbing & Sanitary, Internal & External Electrical Installations, LT & HT Panel, Distribution Cable, Installation of Lifts, Installation of Fire fighting System, Boom barrier, IP based surveillance system works etc including green initiatives and site development works)
3	Time allowed for Completion of Work	18 Months Including Monsoon & holidays from the 15th day of the date of award of work.
4	Earnest Money	Rs. 42,91,139.00 (Rupees Forty Two Lakhs Ninety One Thousand One Hundred and Thirty Nine Only) in the form of Demand Draft or Banker's Cheque drawn in favor of State Bank of India Payable at Patna of any scheduled bank in India. (Valid for a period of 90 Days from the last date of submission of the tender) EMD to be deposited on or before the time and last date of submission of the tender. Note: It is sole responsibility of the bidder to ensure submission of their EMD Physically by stipulated date and time as specified failing which they will not be allowed to participate in E-Tendering. The proof of the same is to be uploaded www.tenderwizard.in , mentioning UTR no. / transaction ID.
5	Initial security Deposit	The amount of initial security deposit shall be 2% of the accepted tender amount including the EMD in the same form as of EMD (issued by the scheduled Bank) or Bank Guarantee (issued by the scheduled Bank other than SBI). The initial security deposit is to be paid

		by the contractor to the Bank within 15 (fifteen) days of intimation to him of the acceptance of his tender. No interest will be paid on retention amount.
6	Date and Time where tenders are Available.	From 26.11.2025 to 17.12.2025 up to 15:00 Hours at https://www.tenderwizard.com/SBIETENDER & www.sbi.bank.in/web/sbi-in-the-news/procurement-news
7	Time and last date of submission of online e-tender	Up to 15:00 on 17.12.2025
8	Place, Time & Address for submission of e-tender/ contact person / telephone no/ email address.	Online submission of Technical bid & Price bid Up to 15:00 on 17.12.2025 https://www.tenderwizard.com/SBIETENDER <u>EMD and Original Integrity Pact (ap per Sl. No-12 of NIT) to be sent at the Address:</u> The Assistant General Manager (Premises & Estate), PREMISES & ESTATE DEPARTMENT, Local Head Office, 8th Floor, West Gandhi Maidan, Patna : 800001
9	Pre-Bid Meeting (Contractor to email queries in advance at least 2 days before Pre-Bid Meet)	On 14.12.2025 at 1500 hrs at office : The Assistant General Manager (Premises & Estate), PREMISES & ESTATE DEPARTMENT, Local Head Office, 8th Floor, West Gandhi Maidan, Patna : 800001

10	Date, Time, and Place of opening e- tender	
	(a) Technical Bid	On 17.12.2025 at 15:00hrs
	(b) Price Bid	Technically qualified bidders will be informed about the date and time of the Price bid opening.
11	Validity period of the tender.	03 months from last date for receipt of tender
12	Submission of Technical bid	<p>1) Contractors shall Download the entire Technical Bid, annexures to get acquainted with the terms and conditions and shall upload it after completely filling it along with relevant/supporting documents without fail in the e-tender portal after putting the signature and seal. Failing to upload as stated above, the tender will be rejected. (Participating through e-tender portal they must have class III digital certificate).</p> <p>Bidder shall submit the original copy of duly executed Pre-Contract Integrity Pact along with required EMD as mentioned and seal it in an envelope and mark the envelope as "Technical Bid". The said envelope shall clearly bear the name of the Tender and name and address of the Bidder. In addition, the last date for bid submission should be indicated on the right and corner of the envelope. Pre-Contract Integrity Pact should be submitted within the bid submission date and time for the Tender at the address mentioned in Notice Inviting Tender, failing which Bid will be treated as non-responsive.</p> <p>2) However, L-1 tenderer should submit the whole technical bid spirally bound securely and in serial order containing all pages duly signed with company seal and date to this Office within 15 days of receipt of confirmation. Failure to submit the hardcopy of tender may render the Contractor disqualified.</p>
13	Agency for arranging e-tender/online bidding, contact numbers :	You are requested to contact the agency for further guidance for e-tendering.
	Name of Agency	M/S. Antares System Limited
	Address	1st floor, Old Bank of India compound, M/22 Building, Road No. 25, S.K. Nagar, Patna-800001 Email:r.rakeshkumar@antaressystems.com

	Bidder Support	Mobile : Rakesh Kumar 9771414548,
	Email Address	r.rakeshkumar@antaressystems.com
	Website Address	https://www.tenderwizard.com/SBIETENDER
	Bidder Support :	M/S. Antares System Limited You are requested to contact the agency for further guidance on E- tendering.
14	Selection procedure for pre-qualification	Contractors shall score minimum 60% marks to Pre qualify / Eligible for participation in tender process as per Scoring Matrix/ Evaluation Sheet (Annexure 'M').
15	For further clarifications, if any	Attend Pre-Bid Meeting at prescribed schedule.
16	Place, Time & Address for submission of original EMD and integrity pact with requisite stamp paper	up to 3.00 PM on 15.12.2025 <u>Address :</u> The Assistant General Manager. Premises & Estate Dept., Local Head Office, 8th Floor, West Gandhi Maidan, Patna : 800001
17	Defects Liability period	12 months except as specifically specified under different items (for example: 10 years for waterproofing works and pre-constructional anti-termite treatment)
18	Liquidated Damages	0.50 % of the Contract value per week subject to maximum of 5.00% of contract value.
19	Total security deposit	10% of gross value of work in Running bills to a maximum of 5% of the contract value.
20	Period of Commencement	15 days from the date of work order or the date of handover of site, whichever is later
21	Value of Interim Certificate	Minimum Rs. 1.00 Crore for first three RA Bill and Rs.2.00 Crore 4th RA Bill onwards and Not More than One Bill Per Month. No advance on materials / plant / machinery or mobilization advance shall be paid under any circumstances.
22	Eligible Taxes	A) Income Tax will be deducted at source as per Govt. Guidelines. B) Payment of GST will be made as applicable. The contractor should comply with the following. Contractor should have GST Registration Number. Invoice should specifically/separately disclose the amount of GST levied at applicable rate as per GST provisions/Rules. In case of Correction in the bills after scrutiny, contractor should submit fresh bills for payment. Contractor should timely file his GST return in accordance with GST provisions to enable the

		bank to claim the credit of GST paid to the contractor.
23	Price Bid	<p>Lowest bidder will be finalized from the Price bid submitted by the bidder through online Price bid on item rate system.</p> <p>Price bid of only Technically qualified & eligible bidders shall be opened.</p>
24	Any additional Information	The rate should be inclusive of materials, labour, wages, fixtures, transportation, installation, wastages, Octroi, levies, all cess, royalties, all taxes (but excluding GST), machinery, temporary works such as scaffolding, cleaning, overheads, profit, statutory expenses, incidental charges and all related expenses to complete the work. In addition to above contractor shall also consider all preambles mentioned in Tender BOQ while quoting Tender Item rates. GST shall be as applicable on actuals.
25	Additional Performance Deposit (ASD) /Additional Performance Guarantee (APG)	<p>ASD/ APG shall be deposited by the bidder whose bid is accepted only if their bid amount is below by 10.00% or more below to the estimated cost put to tender.</p> <p>The Amount of such ASD / APG shall be the difference amount between 90.00% of the estimated cost and the accepted price / bid. Bank Guarantee drawn on any other nationalized Bank (except SBI) OR Demand draft or Bankers cheque in favour of SBI drawn on any scheduled bank in India will be accepted as ASD / APG. ASD/APG should be deposited/submitted within 15 days of date of issue of letter of Acceptance / work order. Additional security deposit Will be refunded /Bank Guarantee to be released to the contractor without any interest within 15 days after issue of Virtual Completion certificate by the APMCF.</p>
26	Note:-	<p>1.The make of materials should be chosen strictly from the preferred makes as given in the tender.</p> <p>2.Any clarifications sought after opening of the tenders will not be entertained at any cost</p> <p>3.Bidder should visit the website till last date of submission for changes/corrigendum, if any</p> <p>4.Bank reserves the right to cancel or postpone the tenders at any stage without assigning any reasons</p> <p>5 Claims for revision of the Quoted price by any bidder after the tender will not be entertained.</p>

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27. The contractor has to provide their E-mail id, contact nos. and postal address in the bid documents. Henceforth, all official communication from Bank shall be through E-mail or letter also. The SBI reserves the right to cancel or postpone or modify the Tender at any stage without assigning any reason.

28. The digitally signed technical bid document, by authorized signatory of contractor, has to be uploaded on specified web portal of M/s Antares Systems Ltd through Website <https://www.tenderwizard.com/SBIETENDER>. It shall be responsibility of the contractor to arrange and ensure that all pages of Tender Document signed with stamp & uploaded.

29. No conditions other than mentioned in the Tender will be considered, and if given bid will be summarily rejected. There should not be any deviation or assumption in terms and conditions as have been stipulated in the tender documents. Prior to the detailed evaluation, the Bank will determine the responsiveness of each Bid to the tender. For purposes of this clauses, a responsive Bid is one, which conforms to all the terms and conditions of the tender in total, without any deviation or assumption. The SBI reserve the right to go for e-reverse auction as per committee recommendation.

30. The SBI reserve their rights to accept or reject any or all the Bids/Tenders either in whole or in part without assigning any reason(s) for doing so and no claim / correspondence shall be entertained in this regard.

31. In case the date of opening of tenders is declared as a holiday, the Tender will be opened on the next working day at the same time.

32. Tenders received without EMD and original Integrity Pact shall be summarily rejected and such tenders shall not be allowed for evaluation or to participate in the online price bidding process.

33. For any clarifications regarding E-Tendering procedure, System requirements etc. please contact M/S. Antares System Limited, Bangalore, whose address is mentioned in the NIT.

Yours Faithfully,

APMCF, D.K. & Associates
For and on behalf of SBI

Pre – Requisite for e - Tendering

All documents related to the tender are available on the e-tendering portal

<https://www.tenderwizard.com/SBIETENDER>” &
www.sbi.bank.in/web/sbi-in-the-news/procurement-news

Contractors must note that this, being E- tender, Bids received online on E-tendering portal shall only be considered. To participate, Contractor(s) is/are advised to register with following steps:

Step 1: Contractor’s Registration

•	Go to website: https://www.tenderwizard.com/SBIETENDER ” & www.sbi.bank.in/web/sbi-in-the-news/procurement-news
•	Click on “Register for e-Tender” button.
•	Create your desired User ID and fill in Company Details.
•	Vendor in possession of DSC Class III may insert Digital Signature Certificate token in computer’s USB drive, and click on “Update Digital Signing Certificate Serial No. From USB token”. A new PKI based “Signer Certificate” window will open. Browse your Signer Certificate, enter token password and click on Register.
•	For those without DSC, it is advised to apply for the DSC.
•	Do not enter special character(s) in any field except “Email Address”, “Website (URL)” and “Alternative Email Address”.
•	Then click on “Create profile”.
•	You will be forwarded to “Document Upload” screen. Upload documents as specified in previous page. After uploading is completed, click on “Finish Upload”.
•	The User ID and system generated password with payment confirmation
•	will appear on the next screen which can be printed for future reference.
•	Check registered email ID. Click in the link “Click to verify” to validate the email ID.
•	To enable the User ID, forward the registration acknowledgment copy to help desk from registered email ID.

Step 2: Digital signature (known as “Digital Signature Certificate”)

•	Applying Class III Digital Signature Certificate: (token issued upon registration)
•	It is mandatory for all the Contractors to have class-III Digital Signature Certificate (DSC) (in the name of person who will sign the Bid) from any of the licensed certifying agency to participate in this TENDER. DSC should be in the name of the authorized signatory. It should be in corporate capacity (that is in Contractor capacity).
•	Contractor’s manual & system requirement is available on website https://www.tenderwizard.com/SBIETENDER ”
	Contractors may contact e-tendering representative at Mobile : Rakesh kumar 9771414548, Email:r.rakeshkumar@antaressystems.com for any assistance.

2. BRIEF PARTICULARS OF THE WORK

- a. SBI proposes **Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar** approximate **Built-up area 11815 square meters**, The Estimated cost of the project is 42.92 Crore inclusive of Foundation, Composite Construction works of Civil, Plumbing, Sanitary, Electrical, LIFT, Firefighting, External Development and Allied works, etc.
- b. Brief Scope of Work: The scope of work **Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar**
- c. The proposed work has to be completed in all respect on FAST TRACK. The time allowed for completion of the project is 18 months including monsoon & Holidays period from the date of work order + 15 Days (Mobilization period) or handing over of site to the Contractor, whichever is earlier.
- d. SBI intends to pre-qualify the competent Building Contractors having requisite qualifying experience and infrastructure and financial capability to undertake the work as specified in the pre-qualification documents for completion of the project in the prescribed scheduled time.
- e. **The salient features of the captioned project are as under: -**
 - (i) The project is proposed to be setup on plot of land Deoghar
 - (ii) Proposed Civil, Structural and Finishing work for State Bank of India has been designed as per the Architectural Controls of Deoghar.
 - (iii) Proposed Office Building has been designed in accordance with National Building Code and relevant IS Standards for Seismic Safety.
 - (iv) Total Built-up area of the building is approx. 11815 square meters with a basement + GF+ 8 floors having approx. height of 35 meter from ground level.
 - (v) Civil & Finishing works will comprise of Excavation, Anti-termite treatment, Structural & RCC, Masonry, Plastering, Waterproofing, Flooring & Dado, Painting, Doors, SS Railings, Glass Railings, Structural glazing, ACP, Site Development, allied works etc.
 - (vi) The building is designed in order to achieve minimum IGBC “Gold” Rating certification. Contractor shall appoint a green building consultant from the beginning and shall oblige / incorporate all the measures/ guidelines mentioned in the code in order to achieve and shall be liable to pay charges for the same. Contractor shall submit the Platinum Rating certificate to client prior to handing over the building.

1. OFFICE BUILDING

- a. Proposed Office Building shall have Basement, Ground Floor, Eight Upper Floors and Terrace Floor.
- b. Office Building shall have shoring & Pile works, soil stabilization, Column Footings, Raft Slab,

Retaining wall(Basement), Columns, Tie Beams, Beams, Slabs, Lift Shear wall, RCC Structure, Under Ground (UG) & Over Head (OH) Tank, Pre-Fabricated Structure, plumbing works, Electrical works etc.

- c. Complete Office Building has Basement with retaining wall around the periphery for Basement.
- d. Height of Basement is approx. 6 metres. Entire areas of all basements to be excavated and shall have parking. (4 wheeler).
- e. Basement shall comprise of Lift Lobbies, Staircase Blocks, Services, Pump Room, UG tank ,Sewage Treatment Plant, Car Parking along with stackable parking etc.
- f. Basements shall have RCC retaining wall with **waterproofing treatment** to RCC retaining wall.
- g. UG Tank shall have Waterproofing treatment along with White Glazed Tile Dado from inside.
- h. Staircase Block shall have Granite Stone Treads & Risers.
- i. Ground Floor shall comprise of large open office space, common toilets, lift lobby, staircase, pantry and record room, RCC walls, office rooms.
- j. Typical Floor shall have common toilets, pantry ,large open office space etc.

1. MAIN & SERVICE CORE

- a. Lift Lobby in Main & Service Core area shall have 4 numbers lift.
- b. Lift Lobby on ground floor shall have Italian marble Flooring & Italian Dado. Typical floors lift lobby shall have granite flooring and dado.
- c. Toilet Block shall have specialized waterproofing treatment, Vitrified Tile flooring. Toilet Block shall have exhaust fan ventilation system.
- d. Ground Floor shall have Italian Marble flooring in Reception and Entrance Lobby area.
- e. All Service Shafts shall have 2 (two) hour Fire Rated (Factory Manufactured) Galvanized Steel Frame and 46mm thick Shutter finished with Epoxy paint of approved shade with accessories such as Door Handle, Door Closer, S.S. Hinges as per requirement.
- f. Glass/ Glazing shall be Structural Glazing System planned with shading fins to cutoff the glare with Double Glazing Unit (DGU) and Single Glazing Unit (SGU) system with solar efficient glass fixed on aluminum framing.
- g. Canopy shall be provided at main entrance.

2. TERRACE FLOOR

- a. Terrace floor shall comprise of covered lift lobby & Staircase Block.
- b. Over Head Tank shall have Waterproofing treatment along with China mosaic from inside.

3. SITE DEVELOPMENT

- a. Site Development Comprises of Driveway, Pedestrian Pathways, Soft landscape and Entry & Exit Gates with security cabin, 2 wheeler parking & Fire escape staircase.
- b. Driveway & Pedestrian Pathway shall have natural cobble stone.

4. Electrical Services Electrical Load Estimates

Total Connected Load: **1434 KW**

Total Demand Load: **844 KW**

Power factor Considered: **0.8**

Lag Demand Load in KVA: **1055**

KVA

Keeping 10% Future Expansion
of load : 1161 KVA

Selection of Transformer: 2x800 KVA Compact Substation, with HT Panel, Indoor 11/0.433KV Dry Type Transformer with OLTC Transformer are proposed such that under

normal condition.

Construction power has to be arranged by the L1 bidder/vendor & in his scope and Bank will not arrange any power for construction purpose.

PROVISION FOR POWER DISTRIBUTION

- a) Lt Panel Rooms with DB Location and Duct provisions are provided.
- b) Conduit Provisions for Light Points & Power Points for Basement are provided.
- c) Floor Trunking for Floor Wiring Provided.

Emergency Lighting

UPS with 1 Hrs Battery Backup is provided for Emergency lighting and power load and shall be provided in accordance with National Building code 2005.

Emergency and Life Safety Loads

Back up shall be provided for Critical loads 100% Backup DG Provision is provided. 500 KVA DG Set =02 nos and 380 KVA=01 nos.

Earthing and Bonding

A Dedicated Earthing System will be provided for power supplies to IT equipment/EPABX/Security, UPS (within the individual offices) and elevators.

Earthing will be designed to achieve 01 Ohm.

5. Plumbing Services

a) Water Demand Calculation

- Domestic water storage in UGWT is 67.7% & in OHT 33% of 1day Requirement
- Flushing water storage in UGWT is 67.7% & in OHT 33 % of 1 day Requirement

Sr. no.	UG Tank Details	Capacity	Unit
1	Fire fighting Underground Water Tank	150	KLD
2	Domestic Underground Water Tank	20	KLD
3	Flushing Underground Water Tank	15	KLD

Sr. no.	OH Tank Details	Capacity	Unit
1	Fire fighting Overhead Water Tank	20	KLD
2	Flushing Overhead Water Tank	5	KLD
3	Domestic Overhead Water Tank	10	KLD

b) Domestic Water Distribution:

- The total water is stored in UGWT located in basement.
- The potable water from Borewell water supply shall be collected in fire static water tank and over flow to Domestic water tank, to keep water fresh, clean & to prevent stagnation of water in fire

Signature & Seal of Contractor

fighting UGWT provide baffle wall in fire tank.

- Through a set of a single stage double suction system water transfer pump shall pump water from Domestic UGWT to Fire fighting OHT.
- Water from Domestic water tank flows through gravity to the ring main at the Terrace level and in turn the same will feed to Utility with control valve.

c) Flushing Water Distribution:

- Through a set of a single stage double suction system water transfer pump shall pump water from Flushing UGWT to Flushing OHT.
- Water from flushing water tank flows through gravity to the ring main at the Terrace level and in turn the same will feed to Utility with control valve.
- For flush application, the topmost two floor have concealed flushing tank and rest of floors are served by flush valve.

d) Water Pump

- Pump of following capacities are proposed :

Sr. No.	Pump Description	Head (M)	Flow (LPM)	Working	Stand-by
1	Domestic Water Supply Pump	40	200	1	1
2	Flushing Water Supply Pump	40	150	1	1

6. Fire Fighting System

- Fire fighting system shall be provided as per National Building Code 2016 & as per NFPA.
- Combination of Sprinkler, Hydrant and Hose reel system is provided in entire building.
- Provision of Fire Buckets and Fire Extinguishers are made as per NBC 2016
- Total underground fire tank provided 200 KLD with two compartment each one have 150 KLD .& 20 KLD overhead tank provide at the terrace level .
- There will be a fire department inlet connections with 4 Nos. 63mm dia male outlets, located externally near main gate. This inlet will have connections to the fire static storage tank.

Following Are Pump Provided As Per NBC Requirement:

1. 2# Fire Main Pump 2850 LPM @ 88M Head
2. Fire Diesel Pump 2850 LPM @ 88M Head.
3. 2#Jockey Pump 180 LPM @ 88M Head

4. DECLARATION

(TO BE GIVEN BY THE APPLICANT WHO HAVE DOWNLOADED THE TENDER

Signature & Seal of Contractor

DOCUMENT FROM THE WEB ON THE COMPANY LETTERHEAD)

To,

The Assistant General Manager (Premises & Estate),
State Bank Of India
Premises & Estate Dept.,
Local Head Office, 8th Floor,
West Gandhi Maidan,
Patna : 800001

Sub: Submission of Tender for the **Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar**

Dear Sir,

It is to certify that:

1. I / We have submitted the tender document in the proforma as down-loaded directly from the web site & there is no change in formatting, number of pages etc.
2. I / We have checked that no page is missing and all pages as per the index and checklist are available & that all pages of tender document submitted by us are clear & legible.
3. I / We have signed (with stamp) all the pages of the tender document before submitting the same.
4. I /We have read carefully & understood the instructions to the applicants.
5. I / We have not made any modification / corrections / additions /deletions etc in the tender documents downloaded from web by me / us. In case at any stage later, it is found there is difference in our downloaded tender documents from the original and / or any documentation, SBI shall have the absolute right to disqualify / reject the application out- rightly and also debar me / us in participating in any future Tender / TENDER without any prior intimation to me / us and EMD/ISD will be forfeited including Security Deposit.

Place :

Date :

Sign & Stamp of Authorized Signatory/Applicant

5.ELIGIBILITY CRITERIA FOR PREQUALIFICATION:

The intending contractor should comply the following minimum eligibility criteria for pre-qualification for the proposed project which is to be supported by all valid documentary proofs.

The bidder should have one office in **Deoghar** OR else will have to open their office in

Signature & Seal of Contractor

Deoghar within one (01) month on issuance of Work Order.

5.1 EXPERIENCE OF SIMILAR WORK: Only reputed technically & financially sound companies / firms / PSU / Contractors / having required experience in designing and construction of buildings meeting the following eligibility criteria shall be eligible to apply. A bidder shall not use the credentials of the original/ parent entity of the bidder from which it has been demerged and come into existence, to meet the turnover, profit, experience or other eligibility criteria of RFP. **Joint Venture and Consortia are not permitted to participate in the bidding.**

The applicant should have satisfactorily completed “similar works” of magnitude as specified below during the last 7 years upto 31.10.2025 should be either of the following:

(a) Three similar completed works (excluding GST) costing not less than the amount equal to 40% of the estimated cost (i.e. Rs. 17.16 Cr.) for composite work includes (Civil, Electrical, Fire Fighting work).

Or

(b) Two similar completed works (excluding GST) costing not less than the amount equal to 50% of the estimated cost (i.e. Rs. 21.5 Cr.) composite work includes (Civil, Electrical, Fire Fighting work).

Or

(c) One similar completed work (excluding GST) costing not less than the amount equal to 80% of the estimated cost (i.e. Rs. 34.3 Cr.) composite work includes (Civil, Electrical, Fire Fighting work).

5.2 : DEFINITIONS

“Similar works” under this clause shall mean “successful completion of construction of minimum one commercial/Institutional/residential building having more than 15 metre height from Ground Level including 1 Basement including mandatorily carrying out composite work which includes water supply, sanitary installations, electrical wiring & installations, Fire Fighting and Sub- Station in Residential / Office / Hospital/ Institutional / Hotels or Commercial building projects **executed in India**. The bidder should have executed similar construction project(s) for **Public Sector Banks/ Central Government / State Government / Central Autonomous body/ State Autonomous body/ Central Public Sector Undertaking/ State Public Sector Undertaking/ Public Limited (Listed) Companies in Indian Stock Exchanges or Multi-national companies in reputed International Stock Exchanges**. Project executed under single contract covering all major works from each trade headed as under;

- I) Civil Works: means all Structural RCC, Civil, Plumbing, Fabrication, Civil Finishes, Landscaping etc.
- II) Electrical Work: means all Electrical, Solar PV Works, LIFT WORKS etc.

III) Fire Fighting Works: means all Fire Detection works, fire fighting works,

Note: a. Godowns/ Warehouses/ factory sheds/ industrial building shall not be considered as eligible similar works.

b. Mumty, lift machine room etc. shall not to be considered in storey.

c. Each stilt/ basement constructed in the building shall be considered as a storey.

d. For the purpose of similar works, works executed in India only shall be considered.

vi) The contractor should undertake to open their office at project site at their cost, if work is allotted to them.

v) The selected bidder should have adequate knowledge of local byelaws/ statutory requirements and to have experience/ expertise in obtaining with Local Civic Authorities for getting statutory approvals including environmental clearance.

vi) The bidding capacity of the agency should be equal to or more than the estimated cost of the work put to bid. The bidding capacity shall be worked out by the following formula:

The contractor should undertake to open their office at project site at their cost, if work is allotted to them.

The selected bidder should have adequate knowledge of local byelaws/ statutory requirements and to have experience/ expertise in obtaining with Local Civic Authorities for getting statutory approvals including environmental clearance.

Bidding Capacity = $\{ [A \times N \times 1.5] - B \}$

Where,

A = Maximum turnover in construction works executed in any one year during the last seven years taking into account the completed as well as works in progress. The value of completed works shall be brought to the current costing level by enhancing at a simple rate of 7% per annum.

N = Number of years prescribed for completion of work for which bids have been invited.

B = Value of existing commitments and ongoing works to be completed during the period of completion of work for which bids have been invited.

The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple interest of 7% per annum; calculated from the date of completion upto 31.10.2025.

5.2.1.1 If The applicant submits documents of Specialized Contractor/Associate for "Similar fire-fighting and Electrical works" shall provide a documentary proof of the same along with NOC (As applicable) obtained for the works executed. For such case, all the documentary proof as required of the proposed associate party meeting the eligibility criteria should be enclosed. However, the applicant will be the lead partner in MOU and responsible to the Bank, in case his firm gets pre-qualified and awarded the work. For such case, all the documentary proof as required of the proposed associate party meeting the eligibility criteria should be submitted to SBI/APMCF and take approval of the same before starting the execution on site.

5.2.1.2 Specialized Civil, Electrical & Mechanical works: The bidders shall possess the Class- A Electrical license. In case the tenderer do not have the license, they must associate himself with agencies of the appropriate eligibility, as defined below, for each of specialized nature of items/work of E&M. Such works shall be got executed only through

associated agencies specialized in these fields.

Within 30 days from date of issue of Letter of Acceptance, the Contractor has to submit proof of eligibility criteria for Electrical and Fire-fighting sub-contractors (if engaged separately), and other specialized agencies for lifts, etc. and as advised by the Project Architect as per conditions specified below:

i) Electrical works: Eligibility criteria for Electrical contractors (if subcontracted/ associated by the Applicant contractor): The firm should have executed & successfully completed following similar works during last 7 years ending 31st Oct 2025.

a) Three similar works each costing not less than Rs 1.78 Cr excluding GST (40% of the estimated cost.)

Or

b) Two similar works each costing not less than Rs 2.23 Cr excluding GST (50% of the estimated cost.)

Or

c) One similar work costing not less than Rs 3.56 Cr excluding GST (80% of the estimated cost.)

Similar electrical work shall mean "Supply, Installation, testing & commissioning of Electrical works (HT and LT) in high rise buildings having at least 6 floors". The Electrical subcontractor/ firm shall have valid license of Class A category issued by Chief Electrical Inspector (or his Office) for taking up electrical works in Jharkhand.

Fire fighting works:- Eligibility criteria for Fire-fighting contractor (if subcontracted/ associated by the Applicant contractor): The firm should have executed & successfully completed following similar works during last 7 years ending 31st Oct 2025. The subcontractor/ firm shall have valid license of Class A category from the Directorate of Jharkhand Fire Services for taking up works in Jharkhand.

a) Three similar works each costing not less than Rs 0.73 Cr excluding GST (40% of the estimated cost.)

Or

b) Two similar works each costing not less than Rs 0.91 Cr excluding GST (50% of the estimated cost.)

or

c) One similar work costing not less than Rs 1.46 Cr excluding GST (80% of the estimated cost.)

5.2.2 "Cost of work" shall mean actual gross value (Excluding GST) of completed "similar" work including all the components executed under the contract as mentioned above. The applicant shall submit the documents as per clause 5.3. as mentioned below, of each project executed by them, during the said period duly supported by performance certificates of clients.

5.2.2.1 A copy of Tax invoice of Final Bill Submitted to their client and completion certificate.

or

5.2.2.2 A copy of Final Bill submitted to the Client (With receipt) and Virtual

Completion certificate.

5.2.3 Virtual Completion/Completion Certificate, Performance Certificate should be certified by an Officer not below the rank of Executive Engineer / Chief Project Manager or equivalent of the Organization.

5.2.4 “Applicant” means proprietary concern, partnership firm, private or public limited company applying for pre-qualification for the tender.

5.2.5 “Employer” or “Client” means State Bank of India, abbreviated as SBI.

5.3 TURNOVER: The applicant should have average minimum annual financial turnover of Rs. 13.00 Crore during the last 3 financial years ending 31/03/2025. This should be duly audited and certified by a Chartered Accountant (Copy to be attached). Year in which no turnover is shown would also be considered for working out the average.

5.3.1 The applicant should not have incurred loss in last three or more consecutive years during the last five years ending 31.03.2025, duly certified by a Chartered Accountant (Copy to be attached). The firm should not be under liquidation, court receivership or similar proceedings.

5.3.2 The applicant should have a solvency of Rs. 13.00 Crore certified by a Scheduled Bank (Original copy to be attached). The Solvency Certificate should not have been issued earlier than 31.03.2025.

5.4 The applicant should have adequate in-house plant and machinery required for the proper and timely execution of the job. The details of the same shall be furnished duly authenticated as per the format enclosed in Form G.

5.4.1 The applicant should have sufficient number of Technical and Administrative employees on their roles for the proper execution of the contract as per the format enclosed in the Form F.

5.5 Contractor applying for this tender should have Registration of GST, PAN No., EPF and ESIC and Prof. tax (as applicable) submit proof of the same.

6 . EVALUATION CRITERIA FOR PRE-QUALIFICATION:

For the purpose of pre-qualification, applications will be evaluated in the following manner:

6.1 Pre-Qualification bid shall be opened only for the Bidders who have
Signature & Seal of Contractor

successfully submitted **EMD amount and Original Integrity Pact** in required form.

6.2 The eligibility criteria prescribed herein above (in respect of experience of similar class of works completed) shall be scrutinized and the applicant's eligibility for pre-qualification for the work be determined. Only the applicants who meet the eligibility criteria specified as above will be further evaluated on the basis of details furnished by them.

6.3 If necessary, the authorized representatives of SBI & Architect will visit Projects sites which are completed in all respect by the applicants, in order to evaluate the performance of the applicants and quality of work. In such case, the applicant will be required to obtain/give them necessary permission / facilities and arrangements for site visit as required.

6.4 On the basis of the prequalification criteria mentioned above and after the evaluation of the applicants based on the site visit report, credentials submitted by the applicants, satisfactory Virtual Completion / completion certificates in respect of "Similar work" as spelt out above, confidential reports obtained from various clientele (wherever necessary) etc., applications will be shortlisted. Thus, shortlisted applicants will be considered as the pre-qualified vendors subject to verification of relevant documents.

6.5 Merely fulfilling the prescribed minimum prequalification criteria does not entitle the applicant for short listing, which is subject to the verification of documents/information furnished by the applicants, inspection of work, quality and timely execution of project, seeking confidential performance reports from the client, etc.

6.6 The broad criteria inter-alia for prequalification will also include the following parameters:

- Quality Consciousness.
- Quality of finishes.
- Timely execution.
- Integrity as regards working.
- Ease in setting extra work, if any.
- Litigation, if any, involving Arbitration/court of Law.
- Financial soundness.
- Magnitude of work undertaken.
- List of work executed.
- Establishment, plant and equipment.
- Performance report from other employers

6.7 Bank reserves the right to accept or reject any or all applications without assigning any reason thereof. This prequalification does not bind SBI to award any job/project to the prequalified vendors.

6.8 Contractors shall **score minimum 60%** to Pre-qualify / Eligible for participation in further stage as per Selection Matrix at **Annexure 'K'**.

Note:- To validate the work Completed, SBI may ask additional documents like TDS Certificates, Original Invoices copies etc. against bills produced by the Bidders to their respective clients.

7.INSTRUCTIONS TO APPLICANTS

7.1 GENERAL INSTRUCTIONS:

- i. Please read these instructions carefully before filling up the application form.

The application must be submitted in the proforma to be downloaded from:

<https://www.tenderwizard.com/SBIETENDER>" &

www.sbi.bank.in/web/sbi-in-the-news/procurement-news without editing the text

whatsoever. Any violation of this condition shall render the application invalid.

- ii. Letter of Transmittal along with all the annexures and necessary documents / details as sought supported by prescribed annexures containing other details etc. as mentioned to be uploaded.
- iii. In accordance with the compliance of adoption of Integrity Pact (As per CVC order No.41/12/07) an Independent External Monitor (IEM) will monitor and review the entire Tendering and procurement process. The details of the IEMs are as under:

NAME	Shri Satyajit Mohanty	Smt. Rashmi Verma
CADRE	IPS (Retd.)	IAS (Retd.)
E-MAIL ID	satyajitmohanty88@gmail.com	verma.rashmi@rediffmail.com
Mobile No.	9437110622	9810735544

The applicant shall be bound to execute the integrity pact as per the format attached as Annexure-XVIII.

7.2 Contents tender Documents:

- (i) The tender to be submitted online by uploading signed by authorized signatory, stamped & dated scanned copies of tender along with all relevant documents and annexures, in addition to above documents, certified and self attested true copies of following documents too need to be uploaded.
 - Proof of establishment / constitution of the Company.
 - List and addresses of their offices.
 - List of works executed during last 7 years as per clause along with details and supporting proof viz., copies of work orders, satisfactory completion certificates, etc.
 - Certificate/ proof of empanelment / enlistment in other Organizations / Govt. / Semi-Govt. / Public sector undertakings / Banks (if any).
 - Satisfactory completion certificate in respect of "Similar work" as mentioned above (during last 7 years) from clients. (To be furnished as per the format enclosed in Annexure D).

- Audited balance sheets and P & L Account - for last 3 years certified by Chartered Accountants.
 - Details of tools and equipment, if any, to be used in the project.
 - Declarations
- (ii) The applicant/authorized signatory should sign & stamp each page of tender document, and its annexures / documents and submit the same online. The duly filled-in documents shall be received up to 1500 hrs. on 17.12.2025 at the below mentioned address in sealed envelope super-scribed “**Pre-Qualification application from intending Building Contractors for the** Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar.

The Assistant General Manager (Premises & Estate),
PREMISES & ESTATE DEPARTMENT,
Local Head Office, 8th Floor,
West Gandhi Maidan,
Patna : 800001

- (iii) The applicants are advised to visit the site at his/their own cost to examine the site & local conditions and collect all information that is considered necessary before participating in the tender process.
- (iv) All information called for in the enclosed forms should be furnished against the relevant columns therein. If, for any reason, information is required to be furnished on separate sheet, this fact should be mentioned against the relevant column. Even if no information is to be provided in a column, a “Nil” or “no such case” or “Not Available” entry should be made in that column. If any particulars/queries are not applicable in case of the applicant, it should be stated as “Not Applicable”.
- (v) The applicants may please note that giving incomplete/unclear information called for in application forms, or making any changes in the prescribed forms, or deliberately suppressing any information, may result in disqualification of the applicant summarily at any stage and EMD/ISD shall be forfeited in this case.
- (vi) Applications are to be (a) uploaded online on or before final date and time of submission of tender.

- (vii) Overwriting and using of correcting fluid should be avoided. Corrections, if any, should be made by neatly crossing out and shall be rewritten with initials and date.
- (viii) All Pages of the document have to be numbered. Additional sheets, if any added by the vendor, should also be numbered by him. They should be uploaded as a package with signed letter of transmittal. The documents uploaded should be indexed and numbered. If uploaded documents are in unstructured and in orderly manner, such applications may be summarily rejected.
- (ix) The applicant may furnish any additional information, which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. He is, however, advised not to furnish superfluous information. No information shall be entertained after submission of Expression of Interest document unless it is called for by the Employer. However, Bank /Architect may request for additional, supporting documents, details in relation to tender process from the applicants during evaluation process.
- (x) References, information and certificates from the respective clients certifying suitability, technical know-how or capability of the applicant should be signed by an officer not below the rank of Executive Engineer / Chief Project Manager or equivalent of the Organization or to be certified by Director/Partner/Proprietor, in case of Private Clients , for whom the work has been done.
- (xi) Documents submitted in connection with tender will be treated as confidential and will not be returned.

7.3 PRE-QUALIFICATION DOCUMENT (TENDER)

7.3.1 The tender document is available on the web site of SBI, www.sbi.bank.in under procurement news.

7.3.2 The duly filled-in tender Document should be Uploaded up to 1500 Hrs. up to the last date of submission online on SBI's E- tender Portal www.sbi.bank.in/web/sbi-in-the-news/procurement-news

7.4 LETTER OF TRANSMITTAL

The applicant should upload the letter of transmittal on the letter head of the applicant attached/appended with Application form along with annexures of tender document as mentioned/ necessitate

7.5 ORGANISATIONAL INFORMATION - BIODATA

Applicant is required to submit the information in respect of his organization (in Application form) and Bio-data of the Directors / Partners / Key associates.

7.6 Miscellaneous Instructions: -

- i) Registration under the contract labour Act : The registration for on-going project may be provided for consideration.
- ii) Special awards: Appreciation letters from Govt. client shall be considered in Scoring matrix.
- lii) Joint ventures and/or consortium are not allowed and will not accepted.

7.7 FINANCIAL INFORMATION

Applicant should furnish the following financial information as per the format as mentioned in Form 'A':

- (a) Banker's Details, Chartered Accountant, Annual financial statement for the last seven years. It should be supported by audited balance sheets and profit and loss accounts (of last three years ending on 31.03.2025) duly certified by a Chartered Accountant, as submitted by the applicant to the Income Tax Department to be supported by respective IT Return Acknowledgment.
- (b) Name and address of the banker's identification of individuals familiar with the applicant's financial standing and a banker's statement on availability of credit.
- (c) Solvency Certificate.

7.8 Experience In Similar Works Highlighting Major Projects

Applicant should furnish the following:

- i. List of all "Similar" works successfully completed during the last *seven years* (in Form "B"). Further supplementary information on completed major works to be submitted in Form B1.
- ii. This list is to be substantiated with the documentary evidences such as certified
- iii. copies of work orders, certified final bill copy, satisfactory completion certificate obtained from client etc. without which, the projects mentioned in the format shall not be considered for scrutiny.
- iv. List of works completed before seven years may be mentioned in separate sheet if the applicant intends to do so.

The SBI reserves the right to: -

- (a) Reject any or all of the applications without assigning any reason.
- (b) Amend the scope and value of contract to the applicant.
- (c) Verify the particulars furnished by the applicant independently. If any information furnished by the applicant is found incorrect at any stage of the project, the SBI will be at liberty to debar such Contractor(s) from participation in future Tendering / taking up of work in SBI in future, besides cancellation of their TENDER - Application Forms/ Tender. In such a case EMD/ISD shall be forfeited. Moreover, the SBI will not pay any damages/compensation to such vendor or firm or the concerned person. Further, any breach of this condition by the applicant would also render him liable to be removed from the approved list of vendors of SBI.
- (d) Cancel the TENDER process without specifying any reason whatsoever.

7.9 Even though an applicant may satisfy the above requirements, he would be liable for disqualification if he has: -

- (i) Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the tender document.
- (ii) Record of poor performance such as abandoning work, delaying the project, not properly completing the contract, or financial failures / weaknesses etc.

7.10 Corrigendum / addendums (if any) to this notice shall only be available / posted on SBI's website.

7.11 The applicants who have downloaded the tender document from the website, should read the following important instructions carefully before Uploading the tender documents: -

- i. The applicants should see carefully & ensure that the Downloaded/Uploaded tender document contains all the pages of the tender document.
- ii. The applicant should ensure that no page in the Uploaded tender document is missing.
- iii. The applicant should ensure that all pages in the uploaded tender document are legible & clear & are printed on a good quality paper.
- iv. The applicant should ensure that every page of the Uploaded tender document is signed by applicant with stamp (seal) of the applicant company and all the blanks are filled by the Applicant, suitably.
- v. The applicant should ensure that the filled in tender document along with all supporting documents, annexures, certificates, etc. are uploaded in structured manner with proper index and numbering of pages. Any correction / addition / alteration / omission made in

the tender document by the applicant, it shall be treated as non – responsive and the application may be summarily rejected.

vi. The applicant shall furnish a declaration as per the format to this effect that no addition / deletion / corrections have been made in the tender document submitted and it is identical to the tender document appearing on Website.

vii. The applicant who has downloaded the tender document from website should read carefully & sign the declaration given on the Annexure before Uploading the tender document.

viii. In case of any doubt in the tender document, the same should be got clarified from the SBI/APMCF before Uploading the tender document.

ix. The Company or firm or any other person shall not be permitted to seek pre-qualification for the work, in case, his near relative(s) (directly recruited or on deputation in SBI /SBI & is / are posted in any capacity either non-executive or executive employee in SBI PAN India. Near relative(s) for this purpose is/are defined as

- i) Member of Hindu Undivided family (HUF).
- ii) They are Husband and wife.
- iii) The one is related to other in the manner as father, mother, son(s) & son's wife (daughter-in-law), Daughters(s), Daughter's husband (son-in- law), brother(s), brother's wife, sister(s), sister's husband (brother-in-law).

x. The applicant (principal vendor) shall also intimate the names of persons who are

working with him in any capacity or are subsequently employed by him or who are near relative to any executive employee/officer in the SBI.

xi. Efforts on the part of the applicant or his agent to exercise influence or to pressurize the employer would result in rejection of application. Canvassing of any kind is prohibited. In Such case tender shall be summarily rejected.

Date :

Place :

Sign & Stamp of Applicant/
Authorized Signatory.

7.1 APPLICATION FORM

1	Name of the contractor Firm/ company:	
2	Type of Organization (whether Sole Proprietorship, Partnership, private Limited or Co-op. body etc.)	
3	Year of establishment of the Firm/company	
4	Whether registered with the registrar of companies / registrar of firms (if so, mention number & date of registration, and submit supporting documents)	
5	Year since the firm/ company is in the line of business/ activity of construction of multi Storey residential/ commercial buildings.	
6	Official/ registered address of the Firm / Company	
7	Correspondence address of the Firm / Company	
8	Email-ID of the firm/company	
9	Landline number (with STD code) of the office/ firm	
10	Mobile number of the Office/ Firm/ Company	
11	Name, mobile number & email ID of contact persons : i. ii. iii. iv. v.	
12	Name/s of Partners / Proprietor/ Directors/ Key Person of The Firm (Details of address, contact number, qualification etc. to be submitted as per the Bio data form)	
13	Address of office in Deoghar, if available.	
14	Whether Firm is having ISO Certification? Mention details	
15	Whether member of any professional Body / Association. Please give details & enclose certificate viz. IGBC	
16	GST Registration number (Photocopy to be attached)	

17	PAN No. (Photocopy to be attached)	
18	Registration for EPF/ RPFC (Photocopy to be attached)	
19	Registration for ESIC (Photocopy to be attached)	
20	Registration under the Contract Labour Act	
21	Registration number under Labour Welfare Act	
22	Professional Tax registration no.	
23	Educational qualification of the Proprietor/ Partner/ Director/Key Personal) ii) iii) iv) v)	
24	Average annual turnover of the Company as per Audited Balance Sheets as on 31st March 2023, 2024, 2025. (details of turnover during previous F.Y. to be submitted as per format given in Annexure A)	2022-23: 2023-24: 2024-25: ----- Average:
25	Total number of Similar Works of Residential/ Commercial projects completed in last seven years.	
26	Details of Similar works of Office building Projects completed during the last 7 years, as per format given in Annexure (Copies of work orders & completion certificates must be enclosed).	As per format enclosed .
27	Value of Single Largest Project for Similar Work for Office building project completed in the last 7 years.	
28	Details of IGBC certification availed for Similar Work for Office building project completed in the last 7 years upto 31.10.2025 should be either of the following.	
29	Details of Similar work under execution	As per format enclosed

30	Financial Information as per format given at Form A (Enclose copies of audited balance sheet and profit & loss statements and CA Certificate)	As per format Form A.
31	Number of years of experience in the construction of Office buildings.	
32	Name and address of Bankers and position of financial soundness (Enclose solvency certificate or other relevant papers/documents, refer Annexure H).	As per Annexure H.
33	Details of skilled work force provided.	As per format Annexure E.
34	Details of equipment, tools, plants & machinery, etc. available with the firm –	As per format Annexure F.
35	Mention if black listed and / or blacklisting proceedings pending with any client. Details of the same, with reasons, to be furnished.	
36	Details of disputes /litigation, if any, during the period of last 07 years upto 31.10.2025 should be either of the following. If yes, please provide details thereof, with reasons.	
37	Whether any penalty imposed by law enforcing agencies such as Labour Department, Sale Tax, GST, Municipal Corporations, Development Authorities, etc.	
38	Details of penalty / liquidated damage imposed by any client for defective / delayed / non-completion of work or violation of terms of the contract, during the last 7 years upto 31.10.2025 should be either of the following. If yes, please provide details thereof, with reasons.	

39	Whether firm had been barred from participating in the bidding process or kept in cooling period/under suspension by any client, during the last 7 years, upto 31.10.2025. If yes, please provide details thereof, with	
	reasons.	
40	Please indicate details of any bankruptcy/winding up of proceedings at any point of time in past.	
41	Covering cum declaration / confirmation letter as per Annexure enclosed	
42	If, you are registered in the panel of other organizations/statutory bodies such as CPWD, PWD, MES, Banks, PSU, Public Ltd. Co. (Listed Co.), etc., furnish their Names, category and date of registration.	
43	Names, addresses, email ID & Mobile No. of two or more persons who will be in a position to certify about the quality as well as performance of your organization.	i) ii)
44	Enclose copy of valid Electrical Contractor's License. (Mention Class)	
<p>I/We hereby confirm that all information, particulars, copies of certificates and testimonials in connection with my empanelment/ shortlisting are correct and genuine. I/we am, therefore, liable to face appropriate actions as deemed fit by the Bank in the event of any of the information, particulars, copies of certificates and testimonials are not found correct and genuine.</p>		
<p>Place: Date: Sign & Stamp of Authorized Signatory/Applicant Name : Designation :</p>		
<p>Note: Furnish certified photo copies of all relevant documents in support of the Information furnished above.</p>		

7.2 BIO-DATA OF THE DIRECTORS/PARTNERS/ KEY ASSOCIATES

1.	Name	:	
2.	Date of Birth	:	
3.	Associates with the organization since	:	
4.	Professional Qualification	:	
5.	Professional Experience	:	
6.	Professional Affiliation	:	
7.	Membership in	:	
8.	Details of Published papers in Magazine / Journals (if any)	:	
9.	Details of cost-effective methods/: innovative techniques adopted in the projects	:	
10.	Exposure to new materials/ Technology.	:	
11.	Details of address, email ID & Contact No.	:	

Signature of Applicant/Authorized Signatory

Annexure A

7.3 FINANCIAL INFORMATION

i) Banker Details

Name of the Bank :
 Branch with Address :
 City :
 Contact person in the Bank :
 Contact Details :

ii) Details of Chartered Accountant

Name :
 Address :
 Registration details of accountant :
 Contact Number :
 E-mail address :

iii) Financial Analysis – Details to be furnished of the Annual financial statement for the last seven years. It should be supported by audited balance sheets and profit and loss accounts (of last three years ending on 31.03.2025) duly certified by a Chartered Accountant, as submitted by the applicant to the Income Tax Department.

	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2023-24
(i) Gross Annual turn-over in Construction works							
(ii) Profit/Loss							
(iii) Financial position:							
(a) Cash							
(b) Current Assets							
(c) Current Liabilities							
(d) Working capital (b-c)							
(e) Current Ratio: (Current Assets/Current Liabilities (b/c))							
(f) Acid Test Ratio (Quick Asset/Current Liability (a/c))							

- iv. Income Tax Clearance Certificate
- v. Solvency certificate from Bankers (Schedule Bank) of Applicant.
- vi. Financial arrangements for carrying out the proposed work

Signature of Chartered Accountant
Signatory/Applicant
with seal

Sign & Stamp of Authorized

ANNEXURE-A 7.3.1 FINANCIAL YEAR WISE TURNOVER DETAILS FOR THE LAST 7 YEARS.

Sr. No. (A)	Financial year (B)	Turnover Amount of the firm (in Rs.) (C)	Remarks/ reason for abnormal fluctuations in two continuous F.Y. (D)
1	2024-25		
2	2023-24		
3	2022-23		
4	2021-22		
5	2020-21		
6	2019-20		
7	2018-19		

Form 'B'

7.4 DETAILS OF ALL 'SIMILAR' WORKS COMPLETED DURING THE LAST SEVEN YEARS UPTO 31.10.2025

1	2	3	4	5	6	7	8	9	10	11	12
S. No.	Name of work/ project & location	Owner or sponsoring organizations	Date of Agreement with the owner	Scope of work executed	Built up area of the project in sqm.	Cost of project work in Crores	Date of commencement as per contract & actual date of commencement	Stipulated Date of completion & Actual date of completion	Litigation / Arbitration pending / In progress with details (if any)	Name and address with contact No. of Officer of client to whom reference shall be made	Remarks

Note:

Actual date of completion of the project should be within 7 years upto 31.10.2025 for taking into eligibility consideration. The projects mentioned in the above format shall be sorted in the order of cost of the project (Descending order)

Signature of Applicant/ Authorized Signatory

FORM B1 (Sup)

7.5 SUPPLEMENTARY INFORMATION ON COMPLETED MAJOR WORKS

1. Name of work
2. Location
3. Client's name and address
4. Consultants name and address.
5. Scope of work.
 - a. Number of floors in Basement.
 - b. Number of floors in Superstructure.
 - c. Height of the building (m).
 - d. Built up area. (Sqm)
 - i. Basement.
 - ii. Superstructure
6. Type of power supply system.
7. Type of equipment in substation & for internal works.
8. Time taken for
 - a. Substation.
 - b. Internal works.
 - c. Total Project.

9. Specialized service, if any, provided, with cost details,
10. Specialized Tools & Plant deployed for the project.
11. Project Management organization structure.
12. Number of shift and its duration adopted in execution.
13. Systems adopted for timely completion of the project.

Signature of Applicant/ Authorized Signatory

FORM 'B-2'

7.6 DETAILS OF 'SIMILAR ELECTRICAL WORKS' COMPLETED DURING THE LAST SEVEN YEARS UPTO 31.10.2025

1	2	3	4	5	6	7	8	9	10	11	12
S. No.	Name of work/ project & location	Owner or sponsoring organizations	Date of Agreement with the owner	Scope of work executed	Built up area of the project in sqm.	Cost of project work in Crores	Date of commencement as per contract & actual date of commencement	Stipulated Date of completion & Actual date of completion	Litigation / Arbitration pending / In progress with details (if any)	Name and address with contact No. of Officer of client to whom reference shall be made	Remarks

Signature of Applicant/ Authorized Signatory

Note: The projects mentioned in the above format shall be sorted in the order of cost of the project (Descending order)

FORM- B2.1

7.7 SUPPLEMENTARY INFORMATION ON COMPLETED MAJOR ELECTRICAL WORKS

1. Name of work
2. Location
3. Client's name and address
4. Consultants name and address.
5. Scope of work.
 - a. Number of floors in Basement.
 - b. Number of floors in Superstructure.
 - c. Height of the building (m).
 - d. Built up area. (Sqm)
 - i. Basement.
 - ii. Superstructure
6. Type of power supply system.
7. Type of equipment in substation & for internal works.
8. Time taken for
 - i. Substation.
 - ii. Internal works.
 - iii. Total Project.
9. Specialized service, if any, provided, with cost details,
10. Specialized Tools & Plant deployed for the project.
11. Project Management organization structure.
12. Number of shift and its duration adopted in execution.
13. Systems adopted for timely completion of the project.

Signature of Applicant/ Authorized Signatory

FORM 'B3'

7.8 DETAILS OF ALL 'SIMILAR FIRE-FIGHTING WORKS' COMPLETED DURING THE LAST SEVEN YEARS UPTO 31.10.2025

1	2	3	4	5	6	7	8	9	10	11	12
S. No.	Name of work/ project & location	Owner or sponsoring organizations	Date of Agreement with the owner	Scope of work executed	Built up area of the project in sqm.	Cost of project work in Crores	Date of commencement as per contract & actual date of commencement	Stipulated Date of completion & Actual date of completion	Litigation / Arbitration pending / In progress with details (if any)	Name and address with contact No. of Officer of client to whom reference shall be made	Remarks

Signature of Applicant/ Authorized Signatory

Note:

Actual date of completion of the project should be within 7 years upto 31.10.2025. The projects mentioned in the above format shall be sorted in the order of cost of the project (Descending order)

Signature & Seal of Contractor

FORM B 3.1

7.9 SUPPLEMENTARY INFORMATION ON COMPLETED MAJOR FIRE-FIGHTING WORKS

1. Name of work
2. Location
3. Client's name and address
4. Consultants name and address.
5. Scope of work.
 - a. Number of floors in Basement.
 - b. Number of floors in Superstructure.
 - c. Height of the building (m).
 - d. Built up area. (Sq m)
 - i. Basement.
 - ii. Superstructure
- 6 Type of power supply system.
7. Type of equipment in substation & for internal works.
8. Time taken for
 - iv. Substation.
 - v. Internal works.
 - vi. Total Project.
9. Specialized service, if any provided, with cost details,
10. Specialized Tools & Plant deployed for the project.
11. Project Management organization structure.
12. Number of shift and its duration adopted in execution.
13. Systems adopted for timely completion of the project.

Signature of Applicant/ Authorized Signatory

Construction of Multi-Storey Building for SBI at Deoghar for various outfits

FORM 'C'

7.10 'SIMILAR' PROJECTS ON HAND - UNDER EXECUTION OR AWARDED

1	2	3	4	5	6	7	8	9	10	11	12	13
Sl. No.	Name of work/ project & location	Client / Owner or sponsor	Type of Client / Owner (Mention Govt/ / Semi Govt / PSU / Autonomous / Private)	Date of Agreement with the owner	Built up area of the project in sqm	Cost of project work in Crores	Date of commencement as per contract & actual date of commencement	Stipulated Date of completion	Up to date percentage of progress of work completed	Delay in progress (if any) and reasons thereof	Name and address with contact No. of Officer of client to whom reference shall be made	Remarks (Indicate whether any show-cause notice issued or Arbitration initiated during the progress work)

Signature of Applicant/ Authorized Signatory

Note: The projects mentioned in the above format shall be sorted in the order of cost of the project (Descending order)

Signature & Seal of Contractor

Construction of Multi-Storey Building for SBI at Deoghar for various outfits

FORM 'C2

7.11 'SIMILAR ELECTRICAL WORKS' PROJECTS ON HAND - UNDER EXECUTION OR AWARDED

1	2	3	4	5	6	7	8	9	10	11	12	13
Sl. No.	Name of work/project & location	Client / Owner or sponsoring organization	Type of Client / Owner (Mention Govt/ / Semi Govt / PSU / Autonomous / Private)	Date of Agreement with the owner	Built up area of the project in sqm	Cost of project work in Crores	Date of commencement as per contract & actual date of commencement	Stipulated Date of completion	Up to date percentage of progress of work completed	Delay in progress (if any) and reasons thereof	Name and address with contact No. of Officer of client to whom reference shall be made	Remarks (Indicate whether any show-cause notice issued or Arbitration initiated during the progress work)

Signature of Applicant/ Authorized Signatory

Note: The projects mentioned in the above format shall be sorted in the order of cost of the project (Descending order)

Signature & Seal of Contractor

Construction of Multi-Storey Building for SBI at Deoghar for various outfits

FORM 'C- 3

7.12 'SIMILAR FIRE-FIGHTING' PROJECTS ON HAND - UNDER EXECUTION OR AWARDED

1	2	3	4	5	6	7	8	9	10	11	12	13
Sl.	Name	Client	Type of	Date of	Built up	Cost of	Date	Stipulated	Up	Delay	Name	Remarks
N	of	/	Client	Agreem	area	projec		Date of		in	and	(Indicate
o	work/	Owner	/	ent with	of the	t work	of	completio	to date	progress	contact No.	whether any
.	project	or	Owner	the		in	commence	n	percenta	(if any)	of	show-cause
	&	sponso	(Mentio	owner	project	Crores	ment as		ge		of	notice issued
	locatio	r	n		in sqm		per		of	and	client to	or
	n	ring	Govt/				contract		progress	reasons	whom	Arbitration
		organis	/ Semi				& actual		of work	thereof	reference	initiated
		ations	Govt /				date of		complet		shall be	during the
			PSU /				commence		e d		made	progress
			Autono				ment					work)
			mous /									
			Private									
)									

Signature of Applicant/ Authorized Signatory

Note: The projects mentioned in the above format shall be sorted in the order of cost of the project (Descending order)

Signature & Seal of Contractor

FORM 'D'/ Annexure-D

7.13 PERFORMANCE REPORT FOR 'SIMILAR' MAJOR COMPLETED WORKS INCLUDING ELECTRICAL & FIRE FIGHTING WORK

1. Name of the work/ Project & Location-
2. Scope of work. -
4. Agreement No & Date.
5. Estimated Cost / Tendered Cost
6. Actual Value of work done Value of Extra Items Executed
7. Date of commencement
 - a. Stipulated date of commencement.
 - b. Actual date of commencement.
8. Date of completion
 - a. Stipulated date of completion.
 - b. Actual date of completion.
9. Amount of compensation levied for delayed completion if any.
10. Performance report based on

Quality of Work,	: Very Good / Good / Fair / Poor
Time Management,	: Very Good / Good / Fair / Poor
Resourcefulness	: Very Good / Good / Fair / Poor
Financial Soundness	: Very Good / Good / Fair / Poor
Technical Proficiency	: Very Good / Good / Fair / Poor
QA / QC at Works.	: Very Good / Good / Fair / Poor
Safety & Health Measures at Work	: Very Good / Good / Fair / Poor Ability to Work within Contract's Allotted
Cost	: Very Good / Good / Fair / Poor

Superintending Engineer /
Chief Project Manager or Equivalent

Date : (Name of Organization) :

2. The performance report is to be submitted separately for all major works mentioned in different Forms.
3. The performance report preferably be submitted in the above Performa. In case different proforma is used, the applicant shall ensure that the report / certificate shall contain all the above information / details.

FORM/ ANNEXURE 'E'**7.14 DETAILS OF KEY TECHNICAL AND ADMINISTRATIVE PERSONNEL EMPLOYED IN THE ORGANIZATION**

Sr. No.	Designation	Total Number	Names	Educational Qualification	Professional Experience	Length of continuous service with employer in years
1	2	3	4	5	6	7

Signature of Applicant/ Authorized Signatory

Note:

1. Details of Technical personnel shall be provided qualification-wise.
2. Organization chart of the company, additional information about Technical and administrative personnel, if any, may be submitted on separate sheet.

FORM/ ANNEXURE 'F'

7.15 DETAILS OF PLANT & MACHINERY, MANUFACTURING UNITS, TOOLS AND EQUIPMENTS LIKELY TO BE USED IN CARRYING OUT THE WORK.

Sr. No	Name of the Tools / Machinery / Equipment	Unit	Make / Model / Capacity or Type	Age in year s	Conditio n of the unit	Ownership Status (mention the quantity)			Current	Remarks
						Presently owned	To be purchased	Leased		
1	2	3	4	5	6	7	8	9	10	11

Signature of Applicant/ Authorized Signatory

Signature & Seal of Contractor

7.16 Declaration-Cum- Certificate on the Letter Head of Contractor Regarding Restrictions on Procurement From Contractors From A Country Or Countries, On Grounds Of Defence In India, Or Matters Directly Related Thereto, Including National Security.

Restrictions under Rule 144 (XI) of General Financial Rules 2017 of Ministry of Finance, India order no. F. No 6/18/2019/PPD dated 23rd July 2020

I/We have read the clause regarding restrictions on procurement from a Contractor of a country which shares a land border with India;

I/We, the Contractor (Specify full name) _____

certify that we are NOT from such a country OR, if from such a country, has been registered with Competent Authority.

I/We hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

(Signature of Authorized Signatory along with Seal)

Name of authorized signatory:

Designation of Authorized signatory:

List of Evidences enclosed:

1. Copy of certificate of valid registration with the Competent Authority (Score out if not applicable)
2.
3.
4.

Date: Place:

Signature & Seal of Contractor

ANNEXURE -H**7.17 SOLVENCY CERTIFICATE WITH BANK'S DETAIL**

This is to certify that M/s _____ address _____ is a customer of our bank and banking with us for the last years. Presently, the firm has availed undernoted banking facility/ies:

Sl. no.	Facility	Type of a/c	Present balance	Average balance during last 6 months

2. The conduct of firm's & key person's account have found to be satisfactory. As per the basis of credit facilities provided to the firm/ turnover in the accounts/ details available with us, the firm can be treated as good for any engagement up to a limit of Rs._____(Rupees _____).

3. This certificate is issued on the basis of bank's record/ transactions with the bank, without any guarantee or responsibility on the bank or any of the officers, with confirmation that facts mentioned herein as per our record.

(Signature of Branch Manager with Seal)

Note:

1. Banker's certificate should be on the letter head of the scheduled commercial bank.
2. In case of partnership firm, certificate to include names of all partners as recorded with the bank.

FORM 'I'

7.18 PROFORMA ON ISO CERTIFICATION OR OTHERS (IF ANY)

1. Year of Certification
2. Name and Address of Certifying Agency
3. Name of Management Representative
4. Validity of Certificate

Annexure 'J'

7.19 DECLARATION

I/We have inspected the site, i.e.

Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar

and I/We have made me/ us fully acquainted with the local conditions in and around the sites of works and the proposed work.

I/We hereby declare that I/ We have carefully gone through the conditions laid down in the Pre – Qualification Document Notice Inviting tender- Application Forms, Instructions to Tenderers/ applicants, General Rules, Terms And Conditions Of Contract, Declarations, Technical Details, Forms & Annexures, etc. and have clearly understood the same and on the basis of the same I/ We have applied & submitted our Application Forms & related documents.

We accept all the terms and conditions of Tender - Application Forms documents. We will abide by the same mentioned in the Application Forms.

I/ We hereby declare that, in particular during execution of all works at site; it will be my/ our sole responsibility to strictly adhere to/meticulously follow the Instructions to tenderers, General Rules, Terms And Conditions of Contract, Safety Code, Technical Details, etc.

I/ We hereby declare that I/ We shall obtain necessary permissions in time and also shall uniformly maintain such progress as may be directed by the employer to ensure completion of same within the target date/ time as mentioned in the tender application Forms document.

Date:

Signature and seal of Authorized Signatory/ Applicant

Place :

Witness: (with Name)

1.

2.

Annexure 'K'

7.20 Scoring Matrix / Evaluation Sheet

S. No.	Particulars	Maximum Marks	Marks Obtained
1	Average annual turnover of the Company as per Audited Balance Sheets as on 31st March: 2023, 2024 and 2025 (Audited). (INR)		
	> 30 crores or above	8	
	> 21.5 crores or above but <= 30 crores	6	
	> 13 crores or above but <= 21.5 crores	4	
2	Value of Largest single construction project of commercial/Institutional/residential building having more than 15 meter height from Ground Level including minimum 1 Basement completed in the last 7 years (upto 31.10.2025). (INR)		
	>= 34 crores	8	
	>= 21.5 crores < 34 crores	6	
	>=17 crores < 21.5 crores	4	
3	Construction of project of commercial/Institutional/residential high rise building including 1 Basement completed in the last 7 years (upto 31.10.2025).		
	25mtr & above	8	
	20mtr to <= 25mtr	6	
	> 15mtr to <=20mtr	4	
4	Number of years of experience in the construction.		
	above 15	7	
	above 11 <= 15	5	
	above 7 <= 11	3	

S. No.	Particulars	Maximum Marks	Marks Obtained
5	Availability of in-house engineers, etc. with minimum qualification of BE/B.Tech. Degree	5	
	QA/QC Civil Engineers (Minimum 10 Yrs experience)	1	
	Safety Engineer/ Officer (Minimum 7 Yrs experience)	1	
	Architect (Minimum 7 Yrs experience)	1	
	Electrical Engineers (Minimum 7 Yrs experience)	1	
	Project Managers (Minimum 15 Yrs experience)	1	
6	No. of Employees in house (On Payroll), who are technically qualified (in case of both diploma and degree holder (eg. Project Managers, Asst Project in-charge Engineers, Site Engineers, QA/QC Engineer, Safety Engineer, Billing Engineer, PHE engineer, etc.		
	> 15 persons with diploma civil/ architecture/Elec./Safety etc. or 5 person with Degree in engineering / architecture/Elec./Safety etc	7	
	> 10 persons with diploma civil/ architecture/Elec./Safety etc or 3 person with Degree in engineering / architecture/Elec./Safety etc	6	
	5 persons with diploma civil/ architecture/Elec./Safety etc or 2 person with Degree in engineering /architecture/Elec./Safety etc	5	
7	Whether the applicant firm had completed works of construction project of commercial/Institutional/residential building minimum having more than 15 meter height from Ground Level including one Basement for the under noted types of clients (subject to minimum 1 works).	Basements	
	Constitution of the applicant firm		
	Govt./Public Ltd.	7	
	Private Ltd.	5	
	Partnership & Others	3	

S. No.	Particulars	Maximum Marks	Marks Obtained
8	No. of construction contracts executed during last 7 years, with construction project of commercial/Institutional/residential building having more than 15 meter height from Ground Level and minimum 1 Basement. (upto 31.10.2025).		
	above 5	7	
	Above 3 <= 5	5	
	above 1 <= 2	4	
9	Whether applicant firm has timely completed the work?		
	100% of Similar Eligible work completed within time frame, without giving extension.	7	
	100% of Similar Eligible works not completed within time frame, but extension of time was given by the Client & work completed. (Max up to 2 Nos)	5	
10	No of construction Projects of commercial/Institutional/residential building completed, where Green Certification was awarded (enclose copy/ies of certificates & completion certificate by LEED /GRIHA /IGBC etc). (last 7 years upto 31.10.2025).		
	above 3	3	
	above 1 <= 3	2	
	At least 1	1	
	Nil	0	
11	Whether applicant firm is having independent office within Deoghar, with landline number in the name of firm?		
	Yes	1	
	No	0	

12	Whether firm is running in profit (before tax), during last 3 financial years? (ended on 31.03.2025 (Audited)).		
	All 3 Years	6	
	For 2 years Only	5	
	For 1 year Only	4	
13	In the completed qualifying project/s of constructing high rise building, whether electrical work was done in-house or through subcontracting?		
	In-house	6	
	Through sub-contracting	5	
14	In the completed qualifying project/s, whether fire-fighting work was done in-house or through sub-contracting?		
	In-house	6	
	Through sub-contracting	5	
15	Performance Certificate from the Central Govt. Dept./State Govt. Dept./ Semi Govt. Dept. /PSU/ Public sector Banks, Public limited (Listed) Company: (Supporting documents/proofs if any).		
	(a) If Very Good Performance Certificate from more than three Principal Employer have been issued and submitted for Similar projects.	5	
	(b) If Very Good Performance Submitted from two employers for Similar projects.	4	
	(c) If Very Good Performance Submitted from one employers for Similar projects.	3	
16	Special Awards in Last 7 Years (upto 31.10.2025) from third party organizations/ institutions like CREDAI, AESA, etc. for similar works		
	above 3	5	
	above 1 <= 3	3	
	At least 1	2	

S. No.	Particulars	Maximum Marks	Marks Obtained
17	ISO Certification: QA/QC Policy :		

	Whether the Applicant Company has got any Documented Quality Policy for QA /QC for similar Works & proof of its implementation at Site:		
	Yes	2	
	No	0	
18	ISO Certification: HSE Policy:		
	Health and Safety Related Policies : Whether the Applicant Company has got any Documented Health and Safety Policy for similar works and proof of its implementation at Site :		
	Yes	2	
	No	0	
	Total Max. Marks (100) (qualifying marks: 60%)		

Documentary evidence must be furnished against each of the above criteria.

Documents must be signed by the authorized signatory of the Contractor.

Relevant portions, in the documents submitted in pursuance of eligibility criteria should be highlighted.

8 INFORMATION & INSTRUCTIONS FOR BIDDERS FOR e-BIDDING (IIBeB)

PART-A of INFORMATION & INSTRUCTIONS FOR BIDDERS FOR e-BIDDING:

1. DISCLAIMER:

1. The information contained in this TENDER or information provided subsequently to Bidder(s) whether verbally or in documentary form/email by or on behalf of SBI, is subject to the terms and conditions set out in this TENDER.
2. This TENDER is not an offer by State Bank of India, but an invitation to receive responses from the eligible Bidders qualified through of Prequalification of Bidders.
3. The purpose of this TENDER is to provide the Bidder(s) with information to assist preparation of their Bid proposals. This TENDER does not claim to contain all the information each Bidder may require. Each Bidder should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information contained in this TENDER and where necessary obtain independent advices/clarifications. Bank may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this TENDER.
4. The Bank, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this TENDER or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the TENDER and any assessment, assumption, statement or information contained therein or deemed to form or arising in any way for participation in this bidding process.
5. The Bank also accepts no liability of any nature whether resulting from negligence or otherwise, howsoever caused arising from reliance of any Bidder upon the statements contained in this TENDER.
6. The Bidder is expected to examine all instructions, forms, terms and specifications in this TENDER. Failure to furnish all information required under this TENDER or to submit a Bid not substantially responsive to this TENDER in all respect will be at the Bidder's risk and may result in rejection of the Bid.
7. The issue of this TENDER does not imply that the Bank is bound to select a Bidder or to award the contract to the Selected Bidder, as the case may be, for the Project and the Bank reserves the right to reject all or any of the Bids or Bidders without assigning any reason whatsoever before issuance of purchase order/LOI and/or its acceptance thereof by the successful Bidder as defined in Award Criteria and Award of Contract in this TENDER.

2. COST OF BID DOCUMENT:

- i) The participating Bidders shall bear all the costs associated with or relating to the preparation and submission of their Bids including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstration or presentations which may be required by the Bank or any other costs incurred in connection with or relating to their Bid. The Bank shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder regardless of the conduct or outcome of the bidding process.
- ii) The Bidder shall also submit PRE-CONTRACT INTEGRITY PACT along with technical Bid as prescribed in Annexure- XVIII duly signed by the Bidder on each page and witnessed by two persons. The Pre-Contract Integrity Pact shall be stamped as applicable in the State where it is executed. Bid submitted without Pre-Contract Integrity Pact, as per the format provided in the TENDER, shall not be considered.

3. CLARIFICATION AND AMENDMENTS ON TENDER/PRE-BID MEETING:

1. Bidder requiring any clarification on TENDER may notify the Bank in writing strictly as per the format given in **Annexure XIX** at the address/by e-mail within the date/time mentioned in the Notice Inviting Tender (NIT).
2. A pre-Bid meeting will be held in person or online on the date and time specified in the Notice Inviting Tender (NIT) which may be attended by the authorized representatives of the Bidders interested to respond to this TENDER.
3. The queries received (without identifying source of query) and response of the Bank thereof will be posted on the Bank's website or conveyed to the Bidders.
4. The Bank reserves the right to amend, rescind or reissue the TENDER, at any time prior to the deadline for submission of Bids. The Bank, for any reason, whether, on its own initiative or in response to a clarification requested by a prospective Bidder, may modify the TENDER, by amendment which will be made available to the Bidders by way of corrigendum/addendum. The interested parties/Bidders are advised to check the Bank's website regularly till the date of submission of Bid document specified in the Notice Inviting Tender (NIT)/email and ensure that clarifications / amendments issued by the Bank, if any, have been taken into consideration before submitting the Bid. Such amendments/clarifications, if any, issued by the Bank will be binding on the participating Bidders. Bank will not take any responsibility for any such omissions by the Bidder. The Bank, at its own discretion, may extend the deadline for submission of Bids in order to allow prospective Bidders a reasonable time to prepare the Bid, for taking the amendment into account. Nothing in this TENDER or any addendum/corrigendum or clarifications issued in connection thereto is intended to relieve Bidders from forming their own opinions and conclusions in respect of the matters addresses in this TENDER or any addendum/corrigendum or clarifications issued in connection thereto.
5. No request for change in commercial/legal terms and conditions, other than what has been mentioned in this TENDER or any addendum/corrigendum or clarifications issued in connection thereto, will be entertained and queries in this regard, therefore will not be entertained.
6. Queries received after the scheduled date and time will not be responded/acted upon.

4.0 MODIFICATION AND WITHDRAWAL OF BIDS:

i) The Bidder may modify or withdraw its Bid after the Bid's submission, provided modification, including substitution or withdrawal of the Bids, is received on <https://www.tenderwizard.com/SBIETENDER>, prior to the deadline prescribed for submission of Bids.

ii) No modification in the Bid shall be allowed, after the deadline for submission of Bids.

lii) No Bid shall be withdrawn in the interval between the deadline for submission of Bids and the expiration of the period of Bid validity specified in this TENDER. Withdrawal of a Bid during this interval may result in the forfeiture of EMD submitted by the Bidder and other action as per terms of TENDER.

5.0 PERIOD OF BID VALIDITY AND VALIDITY OF PRICE QUOTED

- i) Technical Bid shall remain valid for duration of 90 days from last the date of submission. If the tenderer withdraws his/her offer during the validity period or makes modifications in his/her original offer which are not acceptance to the Bank without prejudice to any other right or remedy the Bank shall be at liberty to forfeit the EMD.
- ii) Price quoted by the Bidder shall remain valid for duration of 90 days from the last date of submission. Detailed item specifications of items/ various materials to be used in construction shall be provided in the Technical specifications as well as BOQ (Price bid).
- iii) In exceptional circumstances, the Bank may solicit the Bidders' consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. A Bidder is free to refuse the request. However, in such case, the Bank will not forfeit its EMD. However, any extension of validity of Bids or price will not entitle the Bidder to revise/modify the Bid document.
- iv) Once Purchase Order or Letter of Intent is issued by the Bank, the said price will remain fixed for the entire Contract period and shall not be subjected to variation on any account except as explicitly mentioned in this TENDER. A Bid submitted with an adjustable price quotation will be treated as non-responsive and will be rejected.

6. BID INTEGRITY:

Willful misrepresentation of any fact within the Bid will lead to the cancellation of the contract without prejudice to other actions that the Bank may take. All the submissions, including any accompanying documents, will become property of the Bank. The Bidders shall be deemed to license, and grant all rights to the Bank, to reproduce the whole or any portion of their Bid document for the purpose of evaluation and to disclose the contents of submission for regulatory and legal requirements.

7. WAIVER OF RIGHTS:

Each Party agrees that any delay or omission on the part of the other Party to exercise any right, power or remedy under this TENDER will not automatically operate as a waiver of such right, power or remedy or any other right, power or remedy and no waiver will be effective unless it is in writing and signed by the waiving Party. Further the waiver or the single or partial exercise of any right, power or remedy by either Party hereunder on one occasion will not be construed as a bar to a waiver of any successive or other right, power or remedy on any other occasion.

8. BANK'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS:

The Bank reserves the right to accept or reject any Bid in part or in full or to cancel the bidding process and reject all Bids at any time prior to contract award as specified in Award Criteria and Award of Contract, without incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Bank's action.

9. CODE OF INTEGRITY AND DEBARMENT/BANNING:

1. The Bidder and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the bidding Process. Notwithstanding anything to the contrary contained herein, the Bank shall reject Bid without being liable in any manner whatsoever to the Bidder if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt / fraudulent / coercive / undesirable or restrictive practices in the bidding Process.
2. Bidders are obliged under code of integrity to Suo-moto proactively declare any conflicts of interest (pre-existing or as and as soon as these arise at any stage) in TENDER process or execution of contract. Failure to do so would amount to violation of this code of integrity.
3. Any Bidder needs to declare any previous transgressions of such a code of integrity with any entity in any country during the last three years or of being debarred by any other procuring entity. Failure to do so would amount to violation of this code of integrity.
4. For the purposes of this clause, the following terms shall have the meaning hereinafter, respectively assigned to them:
 1. **“Corrupt practice”** means making offers, solicitation or acceptance of bribe, rewards or gifts or any material benefit, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process or contract execution.
 2. **“Fraudulent practice”** means any omission or misrepresentation that may mislead or attempt to mislead so that financial or other benefits may be obtained or an obligation avoided. This includes making false declaration or providing false information for participation in a TENDER process or to secure a contract or in execution of the contract.
 3. **“Coercive practice”** means harming or threatening to harm, persons or their property to influence their participation in the procurement process or affect the execution of a contract.
 4. **“Anti-competitive practice”** means any collusion, bid rigging or anti-competitive arrangement, or any other practice coming under the purview of the Competition Act, 2002, between two or more bidders, with or without the knowledge of the Bank, that may impair the transparency, fairness and the progress of the procurement process or to establish bid prices at artificial, non-competitive levels.
 5. **“Obstructive practice”** means materially impede the Bank’s or Government agencies investigation into allegations of one or more of the above mentioned prohibited practices either by deliberately destroying, falsifying, altering; or by concealing of evidence material to the investigation; or by making false statements to investigators and/or by threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or by impeding the Bank’s rights of audit or access to information;

5. Debarment/Banning

Empanelment/participation of Bidders and their eligibility to participate in the Bank's procurements is subject to compliance with code of integrity and performance in contracts as per terms and conditions of contracts. Following grades of debarment from empanelment/participation in the Bank's procurement process shall be considered against delinquent Vendors/Bidders:

1. Holiday Listing (Temporary Debarment - suspension):

Whenever a Vendor is found lacking in performance, in case of less frequent and less serious misdemeanors, the vendors may be put on a holiday listing (temporary debarment) for a period up to 12 (twelve) months. When a Vendor is on the holiday listing, he is neither invited to bid nor are his bids considered for evaluation during the period of the holiday. The Vendor is, however, not removed from the list of empaneled vendors, if any. Performance issues which may justify holiday listing of the Vendor are:

1. Vendors who have not responded to requests for quotation/tenders consecutively three times without furnishing valid reasons, if mandated in the empanelment contract (if applicable).
2. Repeated non-performance or performance below specified standards (including after sales services and maintenance services etc.).
3. Vendors undergoing process for removal from empanelment/participation in procurement process or banning/debarment may also be put on a holiday listing during such proceedings.

2. Debarment from participation including removal from empanelled list

Debarment of a delinquent Vendor (including their related entities) for a period (one to two years) from the Bank's procurements including removal from empanelment, wherever such Vendor is empaneled, due to severe deficiencies in performance or other serious transgressions. Reasons which may justify debarment and/or removal of the Vendor from the list of empaneled vendors are:

4. Without prejudice to the rights of the Bank under Clause 45(i) hereinabove, if a Bidder is found by the Bank to have directly or indirectly or through an agent, engaged or indulged in any corrupt/fraudulent/coercive/undesirable or restrictive practices during the bidding Process, such Bidder shall not be eligible to participate in any TENDER issued by the Bank during a period of 2 (two) years from the date of debarment.
5. The Vendor fails to abide by the terms and conditions or to maintain the required technical/operational staff/equipment or there is change in its production/service line affecting its performance adversely or fails to cooperate or qualify in the review for empanelment.
6. If Vendor ceases to exist or ceases to operate in the category of requirements for which it is empaneled.
7. Bankruptcy or insolvency on the part of the vendor as declared by a court of law; or

8. Banning by Ministry/Department or any other Government agency.
 9. Other than in situations of force majeure, technically qualified Bidder withdraws from the procurement process or after being declared as successful bidder: (i) withdraws from the process; (ii) fails to enter into a Contract; or (iii) fails to provide performance guarantee or any other document or security required in terms of the TENDER documents.
 10. If the Central Bureau of Investigation/CVC/C&AG or Vigilance Department of the Bank or any other investigating agency recommends such a course in respect of a case under investigation.
 11. Employs a Government servant or the Bank's Officer within two years of his retirement, who has had business dealings with him in an official capacity before retirement; or
 12. Any other ground, based on which the Bank considers, that continuation of Contract is not in public interest.
 13. If there is strong justification for believing that the partners / directors / proprietor /agents of the firm/company have been guilty of violation of the code of integrity or Integrity Pact (wherever applicable), evasion or habitual default in payment of any tax levied by law; etc.
3. **Banning from Ministry/Country-wide procurements**
- For serious transgression of code of integrity, a delinquent Vendor (including their related entities) may be banned/debarred from participation in a procurement process of the Bank including procurement process of any procuring entity of Government of India for a period not exceeding three years commencing from the date of debarment.

9 INFORMATION & INSTRUCTIONS FOR BIDDERS FOR e-BIDDING:
(Part B)

1. Scope of work

Sealed Tenders are invited by M/s. D.K. & Associates for and behalf of State Bank of India for the **Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar.**

1.1 Site and its location

The proposed work is to be carried out at Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME Branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar



2.0 Tender documents

2.1 The work has to be carried out strictly according to the conditions stipulated in the tender consisting of the following documents and the most workman like manner.

- Instructions to Tenderers
- General Conditions of Contract
- Special Conditions of Contract
- Technical Specifications
- Drawings
- Price bid

2.2 The above documents shall be taken as complementary and mutually explanatory of one another but in case of ambiguities or discrepancies, shall take precedence in the order given below:

- a. Price Bid
- b. Technical specifications
- c. Special conditions of contract
- d. General conditions of contract
- e. Instructions to Tenderers

2.3 The tender documents are not transferable.

3.0 Site Visit

3.1 The tenderer must obtain himself on his own responsibility and his own expenses all information and data which may be required for the purpose of filling this tender document and enter into contract for the satisfactory performance of the work. The tenderer is requested satisfy himself regarding the availability of water, power, transport and communication facilities, the character quality and quantity of the materials, labour, the law-and-order situation, climatic conditions, local conditions, local authorities' requirement, traffic regulations etc.

The tenderer will be fully responsible for considering the financial effect of any or all the factors while submitting his tender.

3.2 The rates quoted by the Tenderer in the tender will be adequate to complete such work according to the specifications and conditions attached thereto and he has taken into account all conditions and difficulties that may be encountered during its progress and to have quoted labour and material rates, which shall include cost of materials with taxes, octroi, levies, royalties, cess, and other duties, lead, lift, loading and unloading freight for materials, and all other charges including the furnishing of all plant, equipment, tools, scaffolding and other facilities and services necessary or proper for the completion and maintenance of the work, except such as may be otherwise expressly provided in the contract documents for the completion and maintenance of the work to the entire satisfaction of the APMCF/ Bank. The TDS amount on prevailing rate shall be deducted from Contractor's Running Account/ Final bills and paid to the Government. However, GST will be paid extra as actual.

3.3. The successful Tenderer shall make his own arrangements for all materials except as specified in the contract if any.

3.4. The quantities shown if any in the attached schedule are given as a guide and are approximate only and are subject to variation according to the needs of the Employer. The Employer accepts no liability for their accuracy. The Employer does not guarantee work under each item of the schedule.

3.5 The Form of Agreement, Form of Tender, Invitation to Tender, Instruction to Tender, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings, Time Schedule and the rates and amounts accepted against the items of the Tender Schedule together with the Tender covering letter, and all correspondence entered into between the APMCF/Bank and the Tenderer prior to the issue of the Letter of Intent and the Letter of Intent awarding the work and acceptance by tenderer shall form the contract.

3.6 The Security Protocol, Systems & Procedures of State Bank of India has to be meticulously followed & complied with during the currency of contract.

4.0 Earnest Money

4.1 The tenderers are requested to submit the Earnest Money of **Rs. 42,91,139.00 (Rupees Forty Two Lakhs Ninety One Thousand One Hundred and Thirty Nine Only)** in the form of Demand Draft or Banker's Cheque drawn in favor of State Bank of India drawn at Patna.

EMD to be deposited before the last date of submission of the technical bid.

4.2 EMD in any other form other than as specified above will not be accepted. Tender not accompanied by the EMD in accordance with clause 4.1 above shall be rejected.

4.3 No interest will be paid on the EMD.

4.4 EMD of unsuccessful tenderer shall be refunded within 30 days of award of Contract.

4.5 EMD of successful tenderer will be retained as a part of security deposit.

5.0 Initial/ Security Deposit

The successful tenderer will have to submit a sum equivalent to 2% of contract value less EMD by means of DD drawn in favour of State Bank of India Payable at, Patna within a period of 15 days of acceptance of tender. In case delay in depositing Initial Security Deposit, interest shall be charged to Contractor/Bidder at the applicable Prime lending Rate of SBI.

6.0 Security Deposit / Retention amount:

6.1 Total security deposit shall be 5% of contract value. Out of this 2% of contract value is in the form of Initial Security Deposit (ISD) which includes the EMD. Balance 3% shall be deducted from the running account bill of the work at the rate of 10% of the respective running account bill i.e., deduction from each running bill account will be @10% till total 3% of contract value is reached Total Security Deposit (TSD) including ISD reaches to 5% of contract value. This Retention amount shall be released by the SBI in 2 stages, 50% of the total security shall be paid to the contractors on the basis of architect's certifying the virtual completion after Bank's scrutiny. The balance 50% would be paid to the contractors after the defect liability period as specified in the contract. 50% Will be released after issuing of VCC and remaining 50% shall be released after completion of Defect Liability Period ie. one years from the date of virtual completion of work or one complete monsoon seasons and after declaration of closure of Project by APMCF and SBI whichever is later and provided no complaint is received or the defects has been rectified by replacing the same satisfactorily.

6.2 No interest shall be paid to the amount retained by the Bank as Security Deposit & Additional Security Deposit.

6.3 Additional Security Deposit (ASD) Additional Security deposit (ASD)/Additional performance Guarantee (APG) shall be applicable if the bid price is below by 10 % or more below of the estimated cost put to tender. The amount of such ASD/ APG shall be the difference between 90.00 % of estimated cost put to tender and the quoted price.

7.0 Signing of contract Documents

The successful tenderer shall be bound to implement the contract by signing an agreement and conditions of contract attached herewith with the respective Department of SBI within 15 days from the receipt of intimation of acceptance of the tender by the SBI. However, the written acceptance of the tenders by the Bank will constitute a binding agreement between the Bank and successful tenderer whether such formal agreement is subsequently entered into or not.

8.0 Completion Period

The time period allowed for completion of the project shall be 18 Months (Eighteen Months) from the date of commencement of work or 15 days from the date of issuance of work order, whichever is earlier.

9.0 Validity of Tender –

Tenders shall remain valid and open for acceptance for a period of 3 (Three) months from the last date of submission. If the tenderer withdraws his/her offer during the validity period or make modifications in his/her original offer which are not acceptance to the

Bank without prejudice to any other right or remedy the Bank shall be at liberty to forfeit the EMD

10. Liquidated Damages

If the contractor fails to maintain the required progress in terms of contract or to complete the work and clear the site including vacating their office on or before the contracted or extended date or completion without justification in support of the cause of delay, he may be called upon without prejudice to any other right of remedy available under the law to the SBI on account of such breach to pay a liquidated damages at the rate of 0.5% of the final value of work per week subject to a maximum of 5% of the final value of work.

11. Rate and prices:

11.1 In case of item rate tender

11.1.1 The tenderers shall quote their rates for individual items both in words and figure. In case of discrepancy between the rate quoted in words and figures, the unit rate quantity in words will prevail. If no rate is quoted for particular one or more tender items, the contractor shall not be paid for that item when it is executed. In such case if these items executed on site no payments shall be done and contractor shall execute those items free of cost.

The amount of each item shall be calculated, and the requisite total is given. In case of discrepancy between the unit rate and the total amount calculated from multiplication of unit rate and the quantity the unit rate quoted will govern and the amount will be corrected.

11.1.2 The tenderers need not quote their rates for which no quantities have been given. In case the tenderers quote their rates for such items those rates will be ignored and will not be considered during execution.

11.1.3 The tenderers should not change the units as specified in the tender. If any unit is changed the tenders would be evaluated as per the original unit and the Contractor/ Vendor would be paid accordingly.

The tenderer should not change or modify or delete the description of the item. If any discrepancy is observed he should immediately bring to the knowledge of the Architect/Bank. SBI.

11.1.4 Each page of the BOQ shall be signed by the authorized person and cutting or overwriting shall be duly attested by him. Detailed item specifications of items/ various materials to be used in construction shall be provided in the Technical specifications as well as BOQ (Price bid).

11.1.5 Each page shall be totaled, and the grand total shall be given.

11.1.6 The rate quoted shall be firm and shall include all costs, allowances, taxes, levies, etc.

11.1.6 The quoted rate should be firm & inclusive of materials, labour, wages, fixtures, transportation, installation, wastages, Octroi, levies, all cess, royalties, all taxes (but excluding GST), machinery, temporary works such as scaffolding, cleaning, overheads, profit, statutory expenses, incidental charges and all related expenses to complete the work during the currency of contract including authorized extension, if any, but excluding GST, which shall be mentioned

in the bills/invoices separately, as applicable. GST shall be as applicable on actuals.

11.1.7 The SBI reserve their rights to accept any tenders, either in whole or in part or may entrust the work in phases or may drop the part scope of work at any stage of the project within its sole discretion without assigning any reason(s) for doing so and no claim / correspondence shall be entertained in this regard.

11.1.8 In case, it is decided by the SBI to drop one or more Items from the scope of work at any stage of the project, the Contractor/ Vendor shall not be entitled to raise any claim /compensation for such deleted scope of work..

12.0 Pre-bid conference shall be held at 15:00 Hrs. on 14.12.2025 Offline at the office of The Assistant General Manager (Premises & Estate), STATE BANK OF INDIA, Premises & Estate Dept., Local Head Office, 8th Floor, West Gandhi Maidan, Patna : 800001. Bidders should send all queries by email agmpe.lhopat@sbi.co.in before pre-bid conference, latest by **11/12/2025** Because of pre-bid conference, certain modifications may be issued to all eligible bidders by the APMCF /SBI by e-mail, if felt necessary by them. If further pre-bid conferences are required for complete and effective interactions, the date and time of same will be communicated at the end of 1st pre-bid meeting or later. All modifications/addendums/corrigendum issued regarding this bidding process, shall be uploaded on website only and shall not be published in any Newspaper.

13.0 The bid submitted shall become invalid if:

- i. The bidder does not deposit EMD and Pre contract integrity pact with SBI office on given address
- ii. The bidder does not upload all the documents as listed in “List of Documents to be scanned & uploaded with duly signed & stamp within the period of bid submission”.

14.1 Bidders may please note:

1. The Bidder should quote for the entire package on a single responsibility basis for the services required under this TENDER.
2. Care should be taken that the Technical Bid shall not contain any price information. Such proposal, if received, will be rejected.
3. The Bid document shall be complete in accordance with various clauses of the TENDER document or any addendum/corrigendum or clarifications issued in connection thereto, duly signed by the authorized representative of the Bidder. Board resolution authorizing representative to Bid and make commitments on behalf of the Bidder is to be attached.
4. It is mandatory for all the Bidders to have class-III Digital Signature Certificate (DSC) (in the name of person who will sign the Bid) from any of the licensed certifying agency to participate in this TENDER. DSC should be in the name of the authorized signatory. It should be in corporate capacity (that is in Bidder capacity).
5. Bids are liable to be rejected if only one Bid (i.e. either Technical Bid or Price Bid) is received.
6. If deemed necessary, the Bank may seek clarifications on any aspect from the Bidder. However, that would not entitle the Bidder to change or cause any change in the substances of the Bid already submitted or the price quoted.

7. The Bidder may also be asked to give presentation at no extra cost to the Bank for the purpose of clarification of the Bid.
8. The Bidder must provide specific and factual replies to the points raised in the TENDER.
9. The Bid shall be typed or written and shall be digitally signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract.
10. All the enclosures (Bid submission) shall be serially numbered.
11. Bidder(s) should prepare and submit their online Bids well in advance before the prescribed date and time to avoid any delay or problem during the bid submission process. The Bank shall not be held responsible for any sort of delay or the difficulties faced by the Bidder(s) during the submission of online Bids.
12. Bidder(s) should ensure that the Bid documents submitted should be free from virus and if the documents could not be opened, due to virus or otherwise, during Bid opening, the Bid is liable to be rejected.
13. The Bank reserves the right to reject Bids not conforming to above.

14.2 Evaluation of Technical Bids :

14. At First evaluation will be done. Upon evaluation based on scrutiny of submitted documents, document verification, Site visit, Bidders will get short listed and these bidders shall be treated as technically qualified bidders. The Financial/Price Bid of the Bidders shall be opened, who qualifies through Technical Bid evaluation.

15. The bidders who submit Technical Bid and above documents without any conditions shall be considered only for evaluation and Further for Price Bid Opening process, if qualify.

15.0 Award criteria and Award of contract :

The price bids of technically qualified Bidders will be opened. Thereafter, L1 bidder based on lowest quoted will be finalized.

Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME Branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar

BUYER NAME	The Assistant General Manager (Premises & Estate), STATE BANK OF INDIA Premises & Estate Dept., Local Head Office, 8th Floor, West Gandhi Maidan, West Gandhi Maidan, Patna : 800001
BID TO BE CONDUCTED BY	M/S Antares Systems Limited. 1st floor, Old Bank of India compound, M/22 Building, Road No. 25, S.K. Nagar, Patna-800001 Mobile : Rakesh kumar 9771414548, Mr. Pawankumar Singh 9771414547, Mr. Amit Prafulla 9988401985 Email:r.rakeshkumar@antaressystems.com

DATE & TIME OF OPENING OF PRICE BID	Technically qualified bidders will be informed about the date and time of the financial bid opening. Pricing proposal for the project on percentage rate basis based on BOQ and specifications.
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Important Note: As per the new Inter-operability guidelines released by Controller of Certifying Authorities (CCA), the Secured Socket Layer (SSL) certificate for an e-Procurement application is generated on a new algorithm, SHA2. Also, the Digital Signature Certificates that will be applicable for these platforms have to be SHA2 algorithm compliant. For the same, the users have to ensure M/S. Antares System Limited| Confidential that they have Windows XP (SP3) / Windows Vista / Windows 7 installed in their respective PC / Laptop. In case of Windows XP service pack -3, if you get any issue you can install the SSL patch, which is available at our download section of our e-Tender Portal and also at our corporate website <https://www.tenderwizard.com/SBIETENDER> just below the label of “Download”.

BIDDING CURRENCY AND UNIT OF MEASUREMENT: Bidding will be conducted in Indian currency & Unit of Measurement.

1. **BID PRICE:** The Bidder has to quote the rate as per the Tender Document provided by State Bank of India.
2. **VALIDITY OF BIDS:** The Bid price shall be firm for a period specified in the tender document and shall not be subjected to any change whatsoever.

ITEM DESCRIPTION: FOR ESTABLISHMENT OF PROPOSED “Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar.

10.Process Compliance Statement (Annexure II)

(The bidders are required to print this on their company's letter head and sign, stamp before emailing)

To,
M/S. Antares System Limited.,
1st floor, Old Bank of India
compound, M/22 Building, Road No.
25, S.K. Nagar, Patna-800001

**SUB: AGREEMENT TO THE PROCESS RELATED TERMS AND CONDITIONS FOR ONLINE PRICE BID
For Proposed Composite Construction of Multi-Storey Building for Administrative Office,
RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at
Deoghar.**

Dear Sir,

This has reference to the Terms & Conditions for the online price bid (Percentage rate) mentioned in the Tender document.

This letter is to confirm that:

1. The undersigned is authorized representative of the company.
2. We have read examined and understood the TENDER/Technical Bid / Price bid documents pertaining to this bid and have no reservations to the same.
3. We have studied all the terms & condition, commercial terms mentioned in TENDER (if any) and understood the TENDER/Technical / price bid pertaining to this event and confirm our agreement to them.
4. We confirm that before participating we will arrange and check a Minimum System Pre-requisite well in advance. E.g., Operating System, Installation a Valid Digital Signature Certificate (DSC if applicable), Internet Explorer Browser Active-X Control settings to access portal smoothly as per Minimum System requirement which will be available on homepage of the e-Procurement website.
5. We agree that we shall change the password on receipt by us and keep it confidential. We agree that I shall not hold M/S. Antares System Ltd responsible in any way for any losses that may be suffered by us because of disclosure of the password to any other person.
6. We confirm that Dept. / Tendering Authority and M/S. Antares System Ltd (Service Provider) shall not be liable & responsible in any manner whatsoever for my/our failure to access & bid platform due to loss of internet connectivity, electricity failure, virus attack, problems with the PC, any other unforeseen circumstances etc. before or during the e-auction event.
7. In case of Digital Signature Certificate (DSC) based login to e-Tender/event, we also confirm that we have a valid DSC issued by a valid Certifying Authority (approved by Controller of Certifying Authorities) in INDIA.
8. We take a note as advised by you related not to wait till last minute or last few seconds to submit valid bid to avoid any complication related to loss of internet connectivity, electricity failure, virus attack, network problems, system crash down, problems with the PC, any other

unforeseen circumstances etc...Neither Department / Tendering Authority nor Service Provider (M/S. Antares System Ltd) are responsible for any unforeseen circumstance.

9. We, hereby confirm that we will honour the Bids placed by us during the process. Bid cannot be cancelled / withdrawn and you shall be bound to collecting / supply at your final bid price. If you back out and or collecting / supply as per the rates quoted, Dept. / Tendering Authority shall take action as appropriate.
10. We confirm that we have not changed or deleted any clauses in this Process Compliance Form (PCF) and submitting the same to the service provider / Dept. as it is duly stamped and signed. In addition, if any changes found in submitted PCF or in this Business Rules Document (if any) before or after completion of the Sealed Bid (if any) or online price bidding process then Dept. / Service provider may take an appropriate action against us.

With regards,

Date:

Signature with company seal Name:

Company / Organization:

Designation within Company / Organization:

Address of Company / Organization:

Scan it and send to this Document on M/S. Antares System Ltd.'s web portal ,

(The bidders are required to print this on their company's letter head and sign, stamp before emailing)

11. Price Confirmation Letter (Annexure III)

(The bidders are required to print this on their company's letter head and sign, stamp before emailing)

To,
M/S. Antares System Limited.,
1st floor, Old Bank of India
compound, M/22 Building, Road No.
25, S.K. Nagar, Patna-800001

SUB: Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME Branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar"

Online Price Bid Date:

Dear Sir,

We confirm that we have Participated in price bid and quoted our rate.

Thanking you and looking forward to the valuable order from SBI. Yours
sincerely,

For _____
Name: Company:
Date:

Price break up Detailed Price Break up as per tender document

Scan it and send to this Document on M/S. Antares System Ltd.'s web portal ,

Detail Price Breakup as per tender document.

1. Contact Information

M/S. Antares System Limited	State Bank of India	APMCF
Contact Person: Mobile : Rakesh kumar 9771414548, Mr. Pawan Kumar Singh 9771414547, Mr. Amit Prafulla 9988401985 Email: r.rakeshkumar@antares systems.com	Assistant General Manager (Premises & Estate) State Bank of India Patna Contact No 0612-2820820	Proprietor/Principal Architect M/s D K ASSOCIATES Name: D K SHARMA e-mail id : <u>dps200@gmail.com</u> Contact No 9911541733,9810061291

12.LETTER OF TRANSMITTAL AND UNDERTAKING (Annexure-V)

(The bidders are required to print this on their company's letter head and sign, stamp before emailing)

To,
The Assistant General Manager (Premises & Estate),
Premises & Estate Dept.,
Local Head Office, 8th Floor,
West Gandhi Maidan,
Patna : 800001

Dear Sir,

Having examined the drawings, specification, design and schedule of quantities relating to the works specified in the memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto as affecting the tender, I/We hereby offer to execute the works specified in the said memorandum at the rates mentioned in the attached Schedule of Quantities and in accordance in all respects with the specifications, design, drawings and instructions in writing referred to in conditions of tender, the Articles of Agreement, Special Conditions, Schedule of Quantities and 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	Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar
(b)	Earnest Money	Rs. 42,91,139.00 (Rupees Forty Two Lakhs Ninety One Thousand One Hundred and Thirty Nine Only) by means of demand Draft / Pay Order from any scheduled Nationalized Bank drawn in favour of State Bank of India, Payable at Patna.
(c)	Time allowed for completion of the Works from fifteenth day after the date of written Order or date of handing over of the site (Whichever is later) to commence the work	As per Clause No 27 of GCC.

1) 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 may be applicable or in default thereof to forfeit and pay to SBI, the amount mentioned in the said contract.

2) I / We have deposited a sum of **Rs. 42,91,139.00 (Rupees Forty Two Lakhs Ninety One Thousand One Hundred and Thirty Nine Only)** of the total tender amount as Earnest Money with the SBI which amount is not to bear any interest. Should I / We fail to execute the Contract when called upon to do so I / We do hereby agree that this sum shall be forfeited by me/us to State Bank of India.

3) I/ We understand that as per terms of this tender, the SBI may consider accepting our tender in part or whole or may entrust the various work proposed in phases. We, therefore, undertake that we shall not raise any claim/ compensation in the eventuality of Bank deciding to drop any of the work from the scope of work of this tender at any stage during the contract period. Further, we also undertake to execute the work entrusted to us in phases on our approved rates and within stipulated time limit without any extra claim for price escalation unless otherwise separately mentioned as also provided for in the clauses of this tender.

4) I/ We, hereby, also undertake that, we will not raise any claim for any escalation in the prices of any of the material except any provision of clause in the tender during the contract/execution/completion period including authorized extended contract period, if any.

5) Our Bankers are:

- i)
- ii)

The names of partners 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 Contractors.

Signature and addresses of Witnesses

- i)

- ii)

13. GENERAL CONDITIONS OF CONTRACT (GCC)

“Contract” means the documents forming the tender and the acceptance thereof and the formal agreement executed between State Bank of India (Client) and the contractor, together with the documents referred therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the APMCF/Bank and all these documents taken together shall be deemed to form one contract and shall be complementary to one another.

1.1 In the contract the following expressions shall, unless the context otherwise requires, have the meaning hereby respectively assigned to them.

1.1.1 ‘SBI’ shall mean State Bank of India (client) a body Corporate created under State Bank of India Act 1955, having its Corporate Centre at State Bank Bhavan, Madame Cama Road, Mumbai 400 021 and a Local Head Office, 8th Floor, West Gandhi Maidan, Patna : 800001 and includes the client’s representatives, successors and assigns. ‘APMCF’ shall mean M/s. Mamta Shah & Associates

1.1.2 ‘Site Engineer’ shall mean an Engineer appointed by the Bank as their representative to give instructions to the contractors.

1.1.3 ‘The Contractor’ shall mean the individual or firm or company whether incorporated or not, undertaking the works and shall include legal personal representative of such individual or the composing the firm or company and the permitted assignees of such individual or firms of company

The expression ‘works’ or ‘work’ shall mean the permanent or temporary work described in the ‘Scope of Work’ and/or to be executed in accordance with the contract and includes materials, apparatus, equipment, temporary supports, fittings and things of all kinds to be provided, the obligations of the contractor hereunder and work to be done by the contractor under the contract.

1.1.4 ‘Engineer’ shall mean the representative of the APMCF

1.1.5 ‘Drawings’ shall mean the drawings prepared by the Architects and issued by the Engineer and referred to in the specifications and any modifications of such drawings as may be issued by the Engineer from time to time ‘Contract value shall mean the value of the entire work as stipulated in the letter of acceptance of tender subject to such additions thereto or deductions there from as may be made under the provision herein after contained.

1.1.6 ‘Specifications’ shall mean the specifications referred to in the tender and any modifications thereof as may time to time be furnished or approved by the APMCF.

1.1.6a “Month” means calendar month.

1.1.7 “Week” means seven consecutive days.

1.1.8 “Day” means a calendar day beginning and ending at 00 Hrs and 24 hrs respectively

1.1.9 The following shall constitute the Joint Project Committee (herein under referred to as JPC) for assessing and reviewing the progress of the work on the project and to issue instructions or directions from time to time for being observed and followed by the APMCF’s Site Engineer /APMCF and other consultants / contractors engaged in the execution of the project.

1. Assistant General Manager (Premises & Estate),
2. Assistant General Manager (Civil),

3. SBI Engineer (Civil, Electrical, Fire & Security) in-charge of the Project, as may be nominated by the Premises & Estate Department, State Bank of India, Patna.
4. Proprietor of the Architects or Their Project Architect
5. Resident Civil Engineer- in Charge of PMC.

1.1.10 SITE" shall mean the land and/ or other places on, into or through which work is to be executed under the contract 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.

1.1.11 "NOTICE" in writing or written notice means a notice in writing 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 tenderer/ contractor and or at the mail id mentioned by the contractor in the "form of tender" of these tender document and shall be deemed to have been received when in the ordinary course of post it would have been delivered.

1.1.12 "APPROVED" means approved in writing including subsequent written confirmation of previous verbal approval and "Approval" means approved in writing including as aforesaid.

1.1.13 "SCHEDULED BANK" means bank included in the second schedule to the Reserve Bank of India Act, 1934.

1.1.14 "SUBCONTRACTOR" means any person, firm or corporation having a contract for the execution of a part or parts of the work included in the contract and a person, firm or corporation furnishing materials called for in the contract and worked to a special design according to the specifications.

1.1.15 "CONTRACT PERIOD" means the accepted period of consecutive days stated on the Form of Tender starting from the APMCF or Employer's order to commence the work.

1.1.16 "APMCF" shall mean M/s D.K. & Associates, New Delhi who are the Project Architect and Project Management Consultants, hereinafter abbreviated as APMCF and their personnel's like Architects, Engineers, Associates, Site Engineers, Project Engineers, Consulting Engineers, PMC Personnels etc. appointed by the SBI at site as their representative for day-to-day supervision of work and to give instructions to the contractors.

1.1.17 "Complete Project Closure Report" by SBI and APMCF means following conditions are satisfied and all works related to it are complete & reports closed after due repairs, replacements, trials, test, etc.

The project shall be considered complete & closed only when:

- a. **Defect Liability Period (DLP)** for all items of work is over : DLP is for one year (Other than Specifically Mentioned in TENDER and BOQ) from the date of virtual completion (as mentioned in GCC) of work and
- b. Acceptance & closure of all queries & works after due rectification/replacements/ tests as referred by Chief Technical Examiner, CVC and
- c. Acceptance and closure of all arbitration, court cases, etc. as decided by the Bank whichever is later.

2.0 Total Security Deposit

Total Security deposit comprise of

- a) Earnest Money Deposit
- b) Initial Security Deposit
- c) Retention Money
- d) Additional Security Deposit

a) Earnest Money Deposit -

The tenderer shall furnish EMD **Rs. 42,91,139.00 (Rupees Forty Two Lakhs Ninety One Thousand One Hundred and Thirty Nine Only)** in the form of Demand Draft or Banker's Cheque drawn in favor of State Bank of India Payable at Patna or any scheduled Bank. No tender shall be considered unless the EMD is so deposited in the required form. No interest shall be paid on this EMD. The EMD of the unsuccessful tenderer shall be refunded within 15 days soon after the decision to award the contract is taken without interest. The EMD shall stand absolutely forfeited if the tenderer revokes his tender at any time during the period when he is required to keep his tender open acceptance by the SBI or after it is accepted by the SBI the contractor fails to enter into a formal agreement or fails to pay the initial security deposit as stipulated. Or fails to commence the work within the stipulated time.

b) Initial Security Deposit (ISD)

The amount of ISD shall be 2% of accepted value of tender including the EMD. Balance of ISD (i.e. excluding EMD) is to be submitted in the form of D/D drawn on any scheduled Bank and shall be deposited within 15 days from the date of letter of acceptance of tender.

c) Retention Money: -

Besides the ISD as deposited by the contractor in the above said manner the retention money shall be deducted from the running account bill at the rate of 10% of the gross value of work done by the contractor and claimed in each bill provided the total security deposit i.e. the ISD plus Retention Money shall both together not exceed 5% of the contract value. 50% of the total security deposit shall be refunded to the contractor without any interest on issue of Virtual Completion certificate by the APMCF. The balance 50% of the total security deposit shall be refunded to the contractors without interest within fifteen days after the end of defects liability period provided the contractor has satisfactorily attended to all defects in accordance with the conditions of contract including site clearance.

d) Additional Security Deposit: -

Additional Security deposit (ASD)/Additional performance Guarantee (APG) shall be applicable if the bid price is below 10.00 % of the estimated cost put to tender. The amount of such ASD/ APG shall be the difference between 90.00 % of estimated cost put to tender and the quoted price.

Additional security deposit Will be refunded or FDR / Bank Guarantee to be released to the contractor without any interest within 15 days after issue of Virtual Completion certificate by the APMCF.

3.0 Language Errors, Omissions and Discrepancies

In case of errors, omissions and/or disagreement between written and scaled dimensions on the drawings or between the drawings and specifications etc, the following order shall apply.

- i) Between scaled and written dimension (or description) on a drawing, the latter shall be adopted.
- ii) Between the written or shown description or dimensions in the drawings and the corresponding one in the specification the former shall be taken as correct.
- iii) Between written description of the item in the specifications and descriptions in bills of quantities of the same item, the latter shall be adopted.
- iv) In case of difference between rates written in figures and words, the rate in words shall prevail.
- v) Between the duplicate/subsequent copies of the tender, the original tender shall be taken as correct.

4.0 Scope of Work:

The contractor shall carryout complete and maintain the said work in every respect strictly in accordance with this contract and with the directions of and to the satisfaction of the Bank to be communicated through the APMCF. The APMCF at the directions of the SBI from time-to-time issue further drawings and / or written instructions, details directions and explanations which are here after collectively referred to as APMCF 's/SBI's instructions in regard to the variation or modification of the design, quality or quantity of any work or the addition or omission or substitution of any work. Any discrepancy in the drawings or between BOQ and / or drawings and / or specifications. The removal from the site of any material brought thereon by the Contractor and any substitution of any other materials therefore, the demolition, removal and / or re-execution of any work executed by him. The dismissal from the work of any person employed/engaged thereupon.

5.0 i) Letter of Acceptance:

Within the validity period of the tender the SBI shall issue a letter of acceptance directly or through the APMCF by registered post or otherwise depositing at the address of the contractor as given in the tender to enter into a Contract for the execution of the work as per the terms of the tender. The letter of acceptance shall constitute a binding contract between the SBI and the contractor.

ii) Contract Agreement:

On receipt of intimation of the acceptance of tender from the SBI/APMCF the successful tenderer shall be bound to implement the contract and within fifteen days thereof he shall sign an agreement in a non-judicial stamp paper of appropriate value.

6.0 Ownership of drawings:

All drawings, specifications and copies thereof furnished by the SBI through its APMCF are the properties of the SBI. They are not to be used on other work.

7.0 Detailed drawings and instructions:

The SBI through its architects/consultants shall furnish with reasonable promptness additional instructions by means of drawings or otherwise necessary for the proper execution of the work. All such drawings and instructions shall be consistent with the contract documents, true developments thereof and reasonably inferable there from.

The work shall be executed in conformity therewith and the contractor prepare a detailed program schedule indicating therein the date of start and completion of various activities on receipt of the work order and submit the same to the SBI through the APMCF

3 Sets of hard Copies of working drawings will be issued to Contractor by the APMCF, Contractor shall make necessary laminations, waterproof paper covering & filing so that these drawings will be available in good condition at site throughout the period of works.

7.0 Details drawings and instructions

The SBI through its architects/consultants shall furnish with reasonable promptness additional instructions by means of drawings or other-wise necessary for the proper execution of the work. All such drawings and instructions shall be consistent with the contract documents, true developments thereof and reasonably infer-able there from.

The work shall be executed in conformity therewith and the contractor shall prepare a de-tailed program schedule (i.e. BAR/PERT Chart) indicating therein the date of start and completion of various activities on receipt of the work order and submit the same to the SBI through the Architect/Consultant.

7.1 Copies of agreement

Two copies of agreement/tender document duly signed by both the parties in a non-judicial stamp paper of Rs 1000/- with the drawings shall be handed over to the contractors.

8.0 Liquidated damages:

If the contractor fails to maintain the required progress in terms of clause of Tender or to complete the work and clear the site including vacating their office on or before the contracted or extended date or completion without justification in support of the cause of delay, he may be called upon without prejudice to any other right of remedy available under the law to the SBI on account of such breach to pay a liquidated damages at the rate of 0.5% of the contract value per week subject to a maximum of 5% of the contract value as per stages given in GCC Tender .

9.0 Materials, Appliances and Employees

Unless or otherwise specified the contractor shall provide and pay for all materials, labour, water, power, tools, equipment transportation and any other facilities that are required for the satisfactory execution and completion of the work. Unless or otherwise specified all materials shall be new and both workmanship and materials shall be best quality. The contractor shall at all times enforce strict discipline and good order among his employees and shall not employ on the work any unfit person or anyone not skilled in the work assigned to him. Workman whose

work or behavior is found to be unsatisfactory by the SBI/APMCF he shall be removed from the site immediately.

10.0 Permits, Laws and Regulations:

Permits and licenses required for the execution of the work shall be obtained by the contractor at his own expenses.

The contractor shall give notices and comply with the regulations, laws, and ordinances rules, applicable to the contractor. If the contractor observes any discrepancy between the drawings and specifications, he shall promptly notify the SBI in writing under intimation of the APMCF. If the contractor performs any act which is against the law, rules and regulations he shall meet all the costs arising there from and shall indemnify the SBI any legal actions arising there from.

11.0 Setting out Work:

The contractor shall set out the work 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 and get it approved by the APMCF before proceeding with the work. If at any time any error in this respect shall appear during the progress of the works, irrespective of the fact that the layout had been approved by the APMCF the contractor shall be responsible for the same and shall at his own expenses rectify such error, if so, required to satisfaction of the SBI.

12.0 Protection of works and property:

The contractor shall continuously maintain adequate protection, of all his work from damage and shall protect the SBI's properties from injury or loss arising in connection with contract. He shall make good any such damage, injury, loss due to his fault or negligence except which are due to causes beyond his control.

He shall take adequate care and steps for protection of the adjacent properties. The contractor shall take all precautions for safety and protection of his employees on the works and shall comply with all applicable provisions of Government and local bodies' safety laws and building codes to prevent accidents, or injuries to persons or property of about or adjacent to his place of work. The contractor shall take insurance covers as per clause 24.0 at his own cost. The policy may be taken in joint names of the contractors and the SBI and the original policy may be lodged with the SBI.

13.0 Inspection of work:

The SBI / APMCF or their representatives shall at all reasonable time have free access to the work site and/or to the workshop, factories or other places where materials are lying or from where they are obtained and the contractor shall give every facility to the SBI, APMCF and their representatives necessary for inspection and examination and test of the materials and workmanship. No person unless authorized by the SBI/APMCF except the representative of public authorities shall be allowed on the work at any time. The proposed work either during its construction stage or its completion can also be inspected by the Chief Technical Examiner's organization a wing of Central Vigilance Commission.

14.0 Assignment and subletting

The whole of work included in the contract shall be executed by the contractor and he shall not directly entrust and engage or indirectly transfer assign or underlet the contract or any part or

share thereof or interest therein without the written consent of the SBI through the architect and no undertaken shall relieve the contractor from the responsibility of the contractor from active superintendence of the work during its progress.

15.0 Quality of materials, workmanship & Test

1. All materials and workmanship shall be best of the respective kinds described in the contract and in accordance with APMCF instructions and shall be subject from time to time to such tests as the APMCF may direct at the place of manufacture or fabrication or on the site or an approved testing laboratory. The contractor shall provide such assistance, instruments, machinery, labour and materials

(ii) Samples:

All samples of adequate numbers, size, shades & pattern as per specifications shall be supplied by the contractor without any extra charges. If certain items proposed to be used are of such nature that samples cannot be presented or prepared at the site detailed literature/test certificate of the same shall be provided to the satisfaction of the Architect/ consultant. Before submitting the sample/literature the contractor shall satisfy himself that the material/equipment for which he is submitting the samples/literature meet with the requirement of tender specification. Only when the samples are approved in writing by the APMCF the contractor shall proceed with the procurement and installation of the particular material/equipment. The approved samples shall be signed by the APMCF for identification and shall be kept on record at site office until the completion of the work for inspection/comparison at any time. The APMCF shall take reasonable time to approve the sample. Any delay that might occur in approving the samples for reasons of its not meeting the specifications or other discrepancies inadequacy in furnishing samples of best qualities from various manufacturers and such other aspects causing delay on the approval of the materials / equipment etc shall be to the account of the contractor.

2. Cost of tests

The cost of making any test shall be borne by the contractor if such test is intended by or provided for in the specifications or BOQ.

iv) Costs of tests not provided for

If any test is ordered by the APMCF/SBI which is either :

If so intended by or provided for or (in the cases above mentioned) is not so particularized, or though so intended or provided for but ordered by the APMCF which is either to be carried out by an independent person at any place other than the site or the place of manufacture or fabrication of the materials tested or any Government / approved laboratory, then the cost of such test shall be borne by the contractor.

16. Obtaining information related to execution of work

No claim by the contractor for additional payment shall be entertained which is consequent upon failure on his part to obtain correct information as to any matter affecting the execution of the work nor any misunderstanding or the obtaining incorrect information or the failure to obtain correct information relieve him from any risks or from the entire responsibility for the fulfillment of contract.

17.0 Contractor's Superintendence

The contractor shall give necessary personal superintendence during the execution the works and as long, thereafter, as the APMCF may consider necessary until the expiry of the defect liability period, stated here to.

18.0 Quantities

i) The bill of quantities (BOQ) unless or otherwise stated shall be deemed to have been prepared in accordance with the Indian Standard Method of Measurements.

The rate quoted shall remain valid for variation of quantity against individual item to any extent subject to maximum variation of the contract value by 25%. The entire amount paid under Clause 20 hereof as well as amounts of prime cost and provisional sums, if any, shall be excluded.

ii) Variation exceeding 25%: The items of work executed in relation to variation exceeding 25% shall be paid on the basis of provisions of clause 21(E) hereof.

19.0 Works to be measured

The APMCF may from time to time intimate to the contractor that he required the work to be measured and the contractor shall forthwith attend or send a qualified representative to assist the Architect in taking such measurements and calculation and to furnish all particulars or to give all assistance required by any of them. Such measurements shall be taken in accordance with the Mode of measurements detailed in the specifications. The representative of the APMCF shall take joint measurements with the contractor's representative and the measurements shall be entered in the measurement book. The contractor or his authorized representative shall sign all the pages of the measurement book in which the measurements have been recorded in token of his acceptance. All the corrections shall be duly attested by both representatives. No over writings shall be made in the M book. Should the contractor not attend or neglect or omit to depute his representative to take measurements then the measurements recorded by the representative of the APMCF shall be final. All authorized extra work, omissions and all variations made shall be included in such measurements.

20.0 Variations

No alteration, omission or variation ordered in writing by the APMCF shall vitiates the contract.

In case the SBI / APMCF thinks proper at any during the progress of works to make any alteration in, or additions to or omission from the works or any. alteration in the kind or quality of the materials to be used therein, the APMCF shall give notice thereof in writing to the contractor or shall confirm in writing within seven days of giving such oral instructions the contract shall alter to, add to, or omit from as the case may be in accordance with such but the contractor shall not do any work extra to or make any alterations or additions to or omissions from the works or any deviation from any of the provisions of the contract, stipulations, specifications or contract drawings without previous consent in writing of the APMCF and the value of such extras, alterations, additions or omissions shall in all cases be determined by the APMCF and the same shall be added to or deducted from the contract value, as the case may be.

21.0 Valuation of Variations

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

a. The net rates or prices in the contract 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 herein. Rates for all items, wherever possible should be derived out of the rates given in the priced BOQ.

b. The net prices of the original tender shall determine the value of the items omitted, pro-vided if omissions do not vary the conditions under which any remaining items of works are carried out, otherwise the prices for the same shall be valued under sub clause (c) hereunder.

c. Where the extra works are not of similar character and/or executed under similar conditions as aforesaid or where the omissions vary the conditions under which any remaining items or works are carried out, then the contractor shall within 7 days of the receipt of the letter of acceptance inform the SBI/Architect of the rate which he intends to charge for such items of work, duly supported by analysis of the rate or rates claimed and the SBI/Architect shall fix such rate or prices as in the circumstances in his opinion are reasonable and proper, based on the market rate.

d. Where extra work cannot be properly measured or valued the contractor shall be allowed day work prices at the net rates stated in the tender of the BOQ 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 SBI /SBI/Architect) the workman's name and materials employed be delivered for verifications to the Architect/Consultant at or before the end of the week following that in which the work has been executed.

e. It is further clarified that for all such authorized extra items where rates cannot be derived from the tender, the contractor shall submit rates duly supported by rate analysis worked on the "market rate basis" for material, labour, hire/running charges of equipment and wastages etc. plus 15% towards establishment charges, contractor's overheads and profit. Such items shall not be eligible for escalation.

22.0 Final measurement

The measurement and valuation in respect of the contract shall be completed within Six months of the virtual completion of the work.

23.0 Virtual Completion Certificate (VCC)

On successful completion of entire works covered by the contract to the full satisfaction of the APMCF/SBI, the contractor shall ensure that the following works have been completed the satisfaction of the SBI:

- a) Clear the site of all scaffolding, wiring, pipes, surplus materials, contractor's labour equipment and machinery.
- b) Demolish, dismantle and remove the contractor's site office, temporary works, structure including labour sheds/camps and constructions and other items and things whatsoever

brought upon or erected at the site or any land allotted to the contractor by the SBI not incorporated in the permanent works.

- c) Remove all rubbish, debris etc. from the site and the land allotted to the contractor by the APMCF/SBI and shall clear, level and dress, compact the site as required by the APMCF/SBI
- d) Shall put the SBI in undisputed custody and possession of the site and all land allot by the SBI.
- e) Shall hand over the work in a peaceful manner to the APMCF/SBI
- f) All defects / imperfections have been attended and rectified as pointed out by the Architects to the full satisfaction of SBI

Upon the satisfactory fulfillment by the contractor as stated above, the contractor shall be entitled to apply to the APMCF for the certificate. If the APMCF is satisfied of the completion of the work, relative to which the completion certificate has been sought, the APMCF shall within fourteen (14) days of the receipt of the application for virtual completion certificate, issue a VCC in respect of the work for which the VCC has been applied.

This issuance of a VCC shall be without prejudice to the SBI's rights and contractor's liabilities under the contract including the contractor's liability for defects liability period nor shall the issuance of VCC in respect of the works or work at any site be construed as a waiver of any right or claim of the SBI against the contractor in respect of works or work at the site and in respect of which the VCC has been issued.

24.0 Work by other agencies

The SBI / APMCF reserves the rights to use premises and any portion the site for execution of any work not included in the scope of this contract which it may desire to have carried out by other persons simultaneously and the contractor shall not only allow but also extend reasonable facilities for the execution of such work. The contractor however shall not be required to provide any plant or material for the execution of such work except by special arrangement with the SBI. Such work shall be carried out in such manner as not to impede the progress of the works included in the contract.

25.0 Insurance of works

25.1 Without limiting his obligations and responsibilities under the contract the contractor shall insure in the joint names of the SBI and the contractor against all loss of damages from whatever cause arising other than the excepted risks, for which he is responsible under the terms of contract and in such a manner that the SBI and contractor are covered for the contract period stipulated including vide clause 28 of GCC and are also covered during the period of maintenance for loss or damage arising from a cause, occurring prior to the commencement of the period of maintenance and for any loss or damage occasioned by the contractor in the course of any operations carried out by him for the purpose of complying with his obligations under clause.

- a) The Works for the time being executed to the estimated current Contract value thereof, or such additional sum as may be specified together with the materials for incorporation in the works at their replacement value.

b) The constructional plant and other things brought on to the site by the contractor to the replacement value of such constructional plant and other things.

c) Such insurance shall be affected with an insurer and in terms approved by the SBI which approval shall not be unreasonably withheld and the contractor shall whenever require produce to the APMCF the policy if insurance and the receipts for payment of the current premiums.

25.2 Damage to persons and property

The contractor shall, except if and so far as the contract provides otherwise indemnify the SBI against all losses and claims in respect of injuries or damages to any person or material or physical damage to any property whatsoever which may arise out of or in consequence of the execution and maintenance of the works and against all claims proceedings, damages, costs, charges and expenses whatsoever in respect of or in relation thereto except any compensation of damages for or with respect to:

a) The permanent use or occupation of land by or any part thereof.

b) The right of SBI to execute the works or any part thereof on, over, under, in or through any lands.

c) Injuries or damages to persons or properties which are unavoidable result of the execution or maintenance of the works in accordance with the contract

d) Injuries or damage to persons or property resulting from any act or neglect of the SBI their agents, employees or other contractors not being employed by the contractor or for or in respect of any claims, proceedings, damages, costs, charges and expenses in respect thereof or in relation thereto or where the injury or damage was contributed to by the contractor, his servants or agents such part of the compensation as may be just and equitable having regard to the extent of the responsibility of the SBI, their employees, or agents or other employees, or agents or other contractors for the damage or injury.

25.3 Contractor to indemnify SBI

The contractor shall indemnify the SBI against all claims, proceedings, damages, costs, charges and expenses in respect of the matters referred to in the provision sub-clause 25.2 of this clause.

25.4 Contractor's superintendence

The contractor shall fully indemnify and keep indemnified the SBI 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 pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claim made under or action brought against SBI in respect of such matters as aforesaid the contractor shall be immediately notified thereof and the contractor shall be at liberty, at his own expenses to settle any dispute or to conduct any litigation that may arise there from, provided that the contractor shall not be liable to indemnify the SBI 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 APMCF in this behalf.

25.5 Third Party Insurance

25.5.1 Before commencing the execution of the work the contractor but without limiting his obligations and responsibilities under clause 24.0 of GCC shall insure against his liability for any material or physical damage, loss, or injury which may occur to any property including that of SBI, or to any person, including any employee of the SBI, by or arising out of the execution of the works or in the carrying out of the contract, otherwise than due to the matters referred to in the provision to clause 24.0 & 25.0 thereof.

25.5.2 Minimum amount of Third-Party Insurance

Such insurance shall be affected with an insurer and in terms approved by the SBI which approval shall not be reasonably withheld and for at least the amount stated below. The contractor shall, whenever required, produce to the. APMCF the policy or policies of insurance cover and receipts for payment of the current premiums.

25.6 The minimum insurance cover for physical property, injury, and death is Rs.5.0 Lacs per occurrence with the number of occurrences limited to four. After each occurrence contractor will pay additional premium necessary to make insurance valid for four occurrences always.

25.7 Accident or Injury to workman:

25.7.1 The SBI shall not be liable for or in respect of any damages or compensation payable at law in respect or in consequence of any accident or injury to any workmen or other person in the employment of the contractor or any sub-contractor, save and except an accident or injury resulting from any act or default of the SBI or their agents, or employees. The contractor shall indemnify and keep indemnified SBI against all such damages and compensation, save and except as aforesaid, and against all claims, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto.

25.7.2 Insurance against accidents etc. to workmen

The contractor shall insure against such liability with an insurer approved by the SBI during the whole of the time that any persons are employed by him on the works and shall, when required, produce to the APMCF such policy of insurance and receipt for payment of the current premium. Provided always that, in respect of any persons employed by any sub-contractor the contractor's obligation to insured as aforesaid under this sub-clause shall be satisfied if the sub-contractor shall have insured against the liability in respect of such persons in such manner that SBI is indemnified under the policy but the contractor shall require such sub-contractor to produce to the Architect /consultant when such policy of insurance and the receipt for the payment of the current premium.

25.7.3 Remedy on contractor's failure to insure

If the contractor fails to effect and keep in force the insurance referred to above or any other insurance which he may be required to effect under the terms of contract, then and in any such case the SBI may effect and keep in force any such insurance and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount so paid by the SBI as aforesaid and also deduct 15% of contract value from any amount due or which may become due to the contractor, or recover the same as debt from the contractor.

25.7.4 Without prejudice to the other rights of the SBI 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 costs, charges, and other expenses paid by the SBI and which are payable by the contractors under this clause. The contractor shall upon settlement by the Insurer of any claim made against the insurer pursuant to a policy taken under this clause, proceed with due diligence to rebuild or repair the works destroyed or damaged. In this event all the monies 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.

26.0 Commencement of Works:

The date of commencement of the work will be reckoned as the recorded date of handing over site by the SBI or 15 days from the date of issue of Letter of Acceptance of Bank, whichever is later.

27.0 Time for completion:

Time is essence of the contract and shall be strictly observed by the contractor. The entire work shall be completed within a period of **18 (Eighteen Months) including Monsoon & Holidays** from the date of commencement. If required in the contract or as directed by the Architect / SBI, the contractor shall complete certain portions of work before completion of the entire work. However, the completion date shall be reckoned as the date by which the whole work is completed as per the terms of the contract.

28.0 Extension of time

If, in the opinion of the APMCF, the work be delayed for reasons beyond the control of the contractor, the APMCF may submit a recommendation to the SBI to grant a fair and reasonable extension of time for completion of work as per the terms of contract. If the contractor needs an extension of time for the completion of work or if the completion of work is likely to be delayed for any reasons beyond the due date of completion as stipulated in the contract, the contractor shall apply to the SBI through the Architect' Consultant in writing at least 30 Days before the expiry of the scheduled time and while applying for extension of time he shall furnish the reason in detail and his justification if any', for the delays. The APMCF shall submit their recommendations to the SBI in the prescribed format for granting extension of time. While granting extension of time the contractor shall be informed the period extended time which will qualify for levy of liquidated damages. For the balance period in excess of original stipulated period and duly sanctioned extension of time by the SBI by provision of liquidated damages as stated under clause 8.0 shall become applicable. Further the contract shall remain in force even for the period beyond the due date of completion irrespective whether the extension is granted or not.

29.0 Rate of progress

Whole of the materials, plant and labour to be provided by the contractor and the mode, manner and speed of execution and maintenance of the works are to be of a kind and conducted in a manner to the satisfaction of the APMCF. Should the rate of progress of the work or any part thereof be at any time be in the opinion the APMCF too slow to ensure the completion of the whole of the work the prescribed time or extended time for completion the APMCF shall thereupon take such steps as considered necessary by the APMCF to expedite

progress so as to complete the works by the prescribed time or extended time. Such communications from the APMCF neither shall relieve the contractor from fulfilling obligations under the contract nor will he be entitled to raise any claims arising out of such directions.

30.0 Work during nights and holidays

Subject to any provision to the contrary contained in the contract no permanent work shall save as herein provided be carried on during the night or on holidays without the permission in writing of the SBI/APMCF, save when the work is unavoidable or absolutely necessary for the saving of life or property or for the safety of the work in which case the contractor shall immediately advise the SBI/APMCF. However, the provisions of the clause shall not be applicable in the case of any work which becomes essential to carry by rotary or double shifts in order to achieve the progress and quality of the part of the works being technically required / continued with the prior approval of the APMCF at no extra cost to the SBI.

All work at night after obtaining approval from competent authorities shall be carried out without unreasonable noise and disturbance.

31.0 No compensation or restrictions of work

If at any time after acceptance of the tender SBI shall decide to abandon or reduce the scope of work for any reason whatsoever and hence not required, the whole or any part of the work to be carried out. The APMCF/SBI shall give notice in writing 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 Work fully but which he did not derive in consequence of the foreclosure of the whole or part of the work.

Provided that the contractor shall be paid the charges on the cartage only of materials actually and bona-fide brought to the site of the work by the contractor and rendered surplus as a result of the abandonment, curtailment of the work or any portion thereof and then taken back by the contractor, provided however that the APMCF shall have in such cases the option of taking over all or any such materials at their purchase price or a local current rate whichever is less.

“In case of such stores having been issued from SBI stores and returned by the contractor to stores, credit shall be given to him at the rates not exceeding those at which were originally issued to the contractor after taking into consideration and deduction for claims on account of any deterioration or damage while in the custody of the contractor and in this respect the decision of APMCF shall be final.

32.0 Suspension of work

The contractor shall, on receipt of the order in writing of the APMCF/SBI whose decision shall be final and binding on the contractor) suspend the progress of works or any part thereof for such time and in such manner as APMCF 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 following reasons:

- a) On account 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 the extent necessary and carry out the instructions given in that behalf by the APMCF.

- i) If the suspension is ordered for reasons (b) and (c) in sub-para (i) above:
The contractor shall be entitled to an extension of time equal to the period of every such suspension. No compensation whatsoever shall be paid on this account.

33.0 Action when the whole security deposit is forfeited

In any case in which under any clause or clauses of this contract, the Contractor shall have rendered himself liable to pay compensation amounting to the whole of his security deposit the APMCF shall have the power to adopt any of the following course as they may deem best suited to the interest of the SBI:

- a) To rescind the contract (of which rescission notice in writing to the contractor by – APMCF shall be conclusive evidence) and in which case the security, deposit of the contractor shall be forfeited and be absolutely at the disposal of SBI
- b) To employ labour paid by the SBI and to supply materials to carry out the work, or part of the work, debiting the contractor with the cost of the labour and materials cost of such labour and materials as worked out by the APMCF shall final and conclusive against the contractor) and crediting him with the value of the work done, in all respects in the same manner and at the same manner and at the same rates as if it had been carried out by the contractor under the terms of this contract certificate of Architect /consultant as to the value of work done shall be final conclusive against the contractor.
- c) To measure up the work of the contractor, and to take such part thereof as shall unexecuted, out of his hands, and to give it to another contractor to complete in which case any expenses which may be incurred in excess of the sum which would have been paid to the original contractor, if the whole work had been executed by him (The amount of which excess the certificates in writing of the Architects / consultant shall final and conclusive) shall be borne by original contractor and may be deducted if any money due to him by SBI under the contract or otherwise, or from his security deposit or the proceeds of sale thereof, or sufficient part thereof.

In the event of any of above courses being adopted by the SBI the contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any material or entered into any engagements or make any advances on account of, or with a view to the execution of the work or the performance of the contract and in case the contract shall be rescind under the provision aforesaid, the contractor shall not be entitled to recover or to be paid any sum or any work thereto for actually performed under this contract, unless, and until the APMCF will have 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.

34.0 SBI's right to terminate the contract

If the contractor being an individual or a firm commit any 'Act of insolvency' or shall be adjusted an insolvent or being an incorporated company shall have an order for compulsory winding up voluntarily or subject to the supervision of Govt. and of the Official Assignee of the liquidator in such acts of insolvency or winding up shall be unable within seven days after notice to him to do so, to show to the reasonable satisfaction of the APMCF that he is able to carry out and fulfill the contract, and to dye security therefore if so required by the APMCF.

or if the contractor (whether an individual firm or incorporated Company) shall suffer execution to be issued or shall suffer any payment under this contract to be attached by or on behalf of any of the creditors of the contractor.

Or shall assign or sublet this contract without the consent in writing of the SBI through the APMCF or shall charge or encumber this contract or any payment due to which may become due to the contractor there under:

- a) Has abandoned the contract; or
- b) Has failed to commence the works, or has without any lawful excuse under these conditions suspended the progress of the works for 14 days after receiving from the SBI through the APMCF written notice to proceed, or
- c) has failed to proceed with the works with such diligence and failed to make such due progress as would enable the works to be completed within the time agreed upon, or has failed to remove the materials from the site or to pull down and replace work within seven days after written notice from the SBI through the APMCF that the said materials were condemned and rejected by the APMCF under these conditions; or has neglected or failed persistently to observe and perform all or any of the acts matters or things by this contract to be observed and performed by the contractor for seven days after written notice shall have been given to the contractor to observe or perform the same or has to the detriment of good workmanship or in defiance of the SBI or Architect's / consultant's instructions to the contrary subject any part of the contract. Then and in any of said cases the SBI and or the Architect / consultant, may not withstanding any previous waiver, after giving seven days' notice in writing to the contractor, determine the contract, but without thereby affecting the powers of the SBI or the APMCF or the obligation and liabilities of the contractor the whole of which shall continue in force as fully as if the contract had not been determined and as if the works subsequently had been executed by or on behalf of the contractor. And, further the SBI through the APMCF their agents or employees may enter upon and take possession of the work and all plants, took scaffolding, materials, sheds, machineries lying upon the premises or on the adjoining lands or roads use the same by means of their own employees or workmen in carrying on and completing the work or by engaging any other contractors or persons to the work and the contractor shall not in any was interrupt or do any act, matter or thing to prevent or hinder such other contractor or other persons employed for complement and finishing or using the materials and plant for the works.

When the works shall be completed or as soon thereafter as convenient the SBI or APMCF shall give a notice in writing to the contractor to remove his surplus materials and plants and should the contractor fail to do so within 14 days after receiving thereof by him the SBI sell the same by publication, and after due publication, and shall, adjust the amount realized by

such auction. The contractor shall have no right to question any of the act of the SBI incidental to the sale of the materials etc.

35.0 Certificate of payment

The contractor shall be entitled for the certificates to be issued by the APMCF within 10 working days from the date of submission provided it is with all required documents, test reports, recording in MB etc. to the contractor within 10 working days from the date of certificate to the payment from SBI from time to time. The SBI shall recover the statutory recovering other dues including the retention amount from the certificate of payment.

Only submission of Bills to the SBI/APMCF not relieves the contractor's responsibility. Contractor shall help/assist APMCF/SBI during checking/verification of Bills with all required documents, details and presence of Billing Engineer is necessary while scrutiny of Bills.

Provided always that the issue of any certificate by the APMCF during progress of works or completion shall not have effect as certificate of satisfaction relieve the contractor from his liability under clause.

The APMCF shall have power to withhold the certificate if the work or in part thereof is not carried out to their satisfaction.

The APMCF may by any certificate make any corrections required previous certificate.

The SBI shall modify the certificate of payment as issued by the APMCF from time to time while making the payment

The contractor shall submit interim bills only after taking actual measurements and properly recorded in the Measurement Book (M. B.)

The Contractor shall not submit interim bills when the value of work done by him is less than the limit as prescribed in NIT, and the minimum interval between two such bill shall be one month.

The final bill may be submitted by contractor within a period of one month from the date of virtual completion and APMCF shall issue the certificate of payment within a period of two months. The SBI shall pay the amount within a period of three months from the date of issue of certificate provided there is no dispute in respect of rates and quantities.

The contractor shall submit the interim bills in the prescribed format with all details.

36.0 A. Settlement of Disputes and Arbitration

Except where otherwise provided in the contract all questions and disputes relating to the meaning of the specifications, design, drawings and instructions herein 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 work 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. If the contractor considers that he is entitled to any extra payment or compensation in respect of the works over and above the amounts admitted as payable by the Architect or in case the contractor wants to dispute the validity of any deductions or recoveries made or proposed to be made from the contract or raise any dispute, the Contractor shall forthwith give notice in writing of his claim, or dispute to the Assistant General Manager (Premises & Estate) and endorse a copy of the same to the Architect, within 30 days from the date of disallowance thereof or the date of deduction or recovery. The said notice shall give full particulars of the claim, grounds on which it is based and detailed calculations of the amount claimed and the contractor shall not be entitled to raise any claim nor shall the Bank be in any way liable in respect of any claim by the contractor unless notice of such claim shall have been given by the contractor to the Assistant General Manager (Premises & Estate) in the manner and within the time as aforesaid. The contractor shall be deemed to have waived and extinguished all his rights in respect of any claim not notified to the Assistant General Manager (Premises & Estate) in writing in the manner and within the time aforesaid.
- II. The Assistant General Manager (Premises & Estate) shall give his decision in writing on the claims notified by the contractor. The contractor may within 30 days of the receipt of the decision of the Assistant General Manager (Premises & Estate) submit his claims to the conciliating authority namely the Circle Development Officer/General Manager (OLCS) for conciliation along with all details and copies of correspondence exchanged between him and the Assistant General Manager (Premises & Estate)
- III. If the conciliation proceedings are terminated without settlement of the disputes, the contractor shall, within a period of 30 days of termination thereof shall give a notice to the concerned Chief General Manager of the Bank for appointment of an arbitrator to adjudicate the notified claims failing which the claims of the contractor shall be deemed to have been considered absolutely barred and waived.
 - i) The conciliation and arbitration shall be conducted in accordance with the provisions of the Arbitration & Conciliation Act 1996 or any statutory modification or re- enactment thereof and the rules made there under.
 - ii) It is also a term of the contract that if any fees are payable to the arbitrator these shall be paid equally by both the parties.
 - iii) It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue and place of the Arbitration shall be Patna. The fees if any, of the arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner, such costs or any part thereof shall be paid and fix or settle the amount of costs to be so paid.

X) The courts at Patna shall have exclusive jurisdiction.

Xi) The Law applicable in Patna and India shall apply in this Agreement.

37.0 Power Supply

The contractor shall make his own arrangements for power and supply/distribution system for driving plant or machinery for the work and for lighting purpose at his own cost. The cost of running and maintenance of the plants are to be included in his tender prices. He shall pay all fees and charges required for the power supply and include the same in his tendered rates and hold the owner free from all such costs. He has to obtain necessary approval from the appropriate authorities, if required.

38.0 Water Supply

The contractor shall make his own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following condition.

i) That the water used by the contractor shall be fit for construction purposes to the satisfaction of the Architect / consultant's.

ii) The contractor shall make alternative arrangements for the supply of water if the arrangement made by the contractor for procurement of water in the opinion of the APMCF is unsatisfactory.

38.1 The contractor shall construct temporary well / tube well in SBI land for taking water for construction purposes only after obtaining permission in writing from the SBI. The contractor has to make his own arrangements for drawing and distributing the water at his own cost. He has to make necessary arrangements and comply with Environmental Clearance guidelines/NOC. To avoid any accidents or damages caused due to construction and subsequent maintenance of the wells. He has to obtain necessary approvals from local authorities, if required, at his own cost. He shall restore the ground to its original condition after wells are dismantled on completion of work or hand over the well to the SBI without any compensation as directed by the Architect / consultant.

39.0 Treasure Trove etc.

Any treasure trove, coin or object antique which may be found on the site shall be the property of SBI and shall be handed over to the bank immediately.

40.0 Method of Measurement

Unless otherwise mentioned in the schedule of quantities or in mode of measurement, the measurement will be on the net quantities or work produced in accordance with up-to-date rules laid down by the Bureau of Indian Standards. In the event any dispute / disagreement the decision of the APMCF/SBI shall be final and binding on the contractor.

Precedence to be followed for measurements is mentioned below.

- a) As mentioned in Price Bid
- b) As mentioned in Technical Bid
- c) As Per IS 1200 updated till date
- d) As per SP 27 updated till date
- e) As per sound Engineering Practices or any other relevant standards available.

41.0 Maintenance of Registers

The contractor shall maintain the following registers as per the enclosed formats at site of work and should produce the same for inspection of SBI /APMCF whenever desired by them. The contractor shall also maintain the records / registers as required by the local authorities / Govt. from time to time.

- i) Register for secured advance
- ii) Register for hindrance to work
- iii) Register for running account bill
- iv) Register for labour

42.0 PRICE VARIATION ADJUSTMENT (PVA) FOR ALL MATERIALS (INCLUDING CEMENT & STEEL) & LABOUR

(Applicable only for completion period beyond 12 months)

In partial modification of the provisions made elsewhere in this contract regarding rate quoted being not subject to any variations, price adjustments to the value of work payable to the Contractor at tendered rates shall be made towards variations in the prices of materials and labour in the manner specified hereunder: -

If, after written order to commence the work and during the operative period of this contract including any authorized extensions of the original stipulated completion period: -

1. There be any variation in the Consumer Price Index- General Index- for industrial workers (Base 1982=100) (source – data published from time-to-time Indian Labour Journal by the Labour Bureau, Government of India),

OR

- (b) There be any variation in the All-India Wholesale Price Index for all commodities (Base 1993- 94=100) (as published from time to time in the RBI Bulletin based on the date issued by the Office of the Economic Advisor to the Government of India).

Price Variation Adjustment (PVA) towards (1) Labour Component and (2) Material Component shall be calculated in accordance with the formula A and B respectively, given below, subject to stipulations herein under mentioned: -

FORMULA (A) FOR LABOUR:

$$VL = 0.85P \times \frac{K1}{100} \times \frac{(C1 - C0)}{C0}$$

FORMULA (B) FOR MATERIALS:

$$VM = 0.85X \frac{(P-Y)}{100} \times \frac{K2 \times (I1 - I0)}{I0}$$

Where: -

VL = Amount of Price Variation Adjustment
Increase or decrease in rupees due to labour component

VM = Amount of Price Variation Adjustment
Increase or decrease in rupees on account of materials component

NOTE: Bill period (noted hereunder) signifies the period of actual execution and not date of measurement or preparation of bill.

P = Cost of work done during the period under consideration (bill period) excluding advances
on materials and/or adjustments thereof

Y = Cost of any other materials supplied/ arranged by the Bank at fixed price during the period
under consideration (bill period)

K1 = Percentage of labour component calculated as indicated in Note (1) below

K2 = Percentage of materials component as indicated in Note (2) below.

CO = Consumer Price Index – General Index Number for industrial workers (Base 1982 = 100) referred to at (a) above, ruling on the last due date of receipt of tenders, and as applicable to the center, nearest to the place of work, for which the index is published)

C1 = Average of above-mentioned Consumer Price Index number during the period under
consideration (bill period)

I0 = All India Wholesale Price Index number for all commodities referred to at (b) above, ruling
on the last date for receipt of tenders and as applicable to the Centre, nearest to the
place of work for which the index is published.

I1 = Average of above mentioned monthly all India Wholesale Price Index numbers during the
period under consideration (bill period)

NOTE (1) : K1 shall be taken as under:-

<u>Component of work</u>	<u>K 1</u>
a) Civil work including ancillary works and external work and RCC / tanks, septic tanks, etc. if any of sanitary and plumbing work	30
b) Sanitary and plumbing works including fittings and fixtures (internal work only)	20
c) Electrical installations work including fittings and fixtures (external and internal works)	20

NOTE (2) : K2 shall be taken as under:-

<u>Component of work</u>	<u>K2</u>
a) Civil work including ancillary works as detailed under Note (1) (a) above	70
b) Sanitary and plumbing works including fittings and fixtures as detailed under Note (1) (b) above	80
Electrical installations work including fittings and fixtures as detailed under Note (1) (c) above	80

Stipulations:

(i) PVA Clause is operative either way i.e. if the variations in above referred price indices are on the plus side. PVA shall be payable to the contractor and if they are on the negative side PVA shall be recoverable from the contractor for the respective bill period of occurrence of fluctuations.

(ii) The rates quoted by the Contractor shall be treated as firm for the value of work required to be done in the first 12 months of the contract period from the date of written order to commence work and no PVA is admissible on the same on any grounds whatsoever. The value of work required to be done during the first 12 months of the contract period shall be taken as 80% of the value of work to be done on pro-rata basis in 12 months as compared to the total stipulated completion period. No PVA is admissible on the value of work required to be done in first 12 months as worked out above, even if this value of work is actually done in a period longer than 12 months. However, in case of any delay in the first 12 months due to genuine reasons which are not attributable to the contractor and which are beyond his control, such period of delay will be deducted from 12 months, and the value of work to be done will be 80% of the pro-rata value of work to be done in such reduced period on pro-rata basis.

(iii) (a) For works where the original stipulated period of completion is not more than 12 months, no PVA whatsoever is permissible under this clause. However, if the period of completion is delayed beyond 12 months on account of genuine reasons which are not attributable to the contractor and which are beyond his control, PVA will be admissible on the value of work done only in excess of value of work required to be done on a pro-rata basis in the first 12 months minus the period of such genuine delay.

(b) For purpose of admissibility of PVA all the cumulative period of extensions granted for reasons which are solely attributable to the contractor is excluded from the total extended period of the contracts and PVA shall not be admissible on the value of work done during such period of extensions, which are granted for keeping the contract current, but only due to reasons for which the contractor was solely responsible. Periods of extensions granted on account of genuine reasons which are not attributable to the contractor and which are beyond his control will, however, be included in the period for which PVA is admissible.

(c) Notwithstanding anything to the contrary mentioned in any other clause/ clauses of the contract, extensions of the contract period shall be granted by the Architect only with prior approval of the Bank. Extensions granted by the Architect without Bank's prior approval shall not bind the Bank for payment of PVA for work done in the concerned period of extensions.

(iv) (a) Where the total cost of work done beyond the value of work required to be done in the first 12 months (vide note (ii) and (iii) above does not exceed Rs.50 lacs the total amount of PVA worked out on the basis of provisions of foregoing stipulations will be limited to an upper ceiling of 10% of such value of work done in excess of value of work required to be done in the first 12 months, minus the cost of any materials issued/arranged by the Bank at fixed prices i.e. $P - Y$ (these terms being as per definitions given formulae A and B above).

(b) Where the total value of work done beyond the value of work required to be done in the first 12 months exceeds Rs.50 lacs, the PVA on the first Rs.50 lacs will be calculated as provided for in the foregoing para and for the balance value of work done for which PVA is admissible subject to foregoing conditions, the PVA will have the upper ceiling of 10% but it will be worked out at a lower rate i.e. 80% of the amount worked out as per the formulae A and B referred to earlier.

(v) In working out the amount of PVA as per all the foregoing stipulations, value of such extra items or such portions of extra items the rates of which are derived from the prevailing market rates of materials and labour will not be included in the value of work done. Value of only such extra items or such portions of extra items, rates of which are derived entirely from tendered rates will be included in the value of work on which PVA as calculated.

(vi) For claiming the payment for PVA the contractor shall keep such books of accounts and other documents, vouchers receipts etc. as may be required by the Bank/Architect, for verification of the increased claims or reduction to be made as the case may be and he shall also allow Engineers and/or other duly authorized representatives of the Bank/Architects and furnish such information as may be required or called for to enable verification of the claim within a week of such request.

(vii) The contractor is required to submit to the Bank, through the Architect, his claims for PVA separately for each running Bill for the individual bill periods for the work paid to him by the Bank. He will also be required to submit detailed calculations in support of the claims.

(viii) No claim will be entertained from the contractor for interest or any other grounds for nonpayment or for any delay in payment of PVA due to late publication or non-availability of the necessary price indices or due to delay in preparation of the Running or Final Bills.

(ix) In view of adjustments for variations in process of materials and labor which have been covered in this clause no other adjustments for any reason whatsoever like statutory measures, taxes, levies, etc. will be allowed.

42.a Materials Having Basic Price

If the basic rate of any material used for the work is more or less than the basic rate given in schedule of quantities, in that case differential rate will be 1.15 times of actual rate without GST minus Basic rate in the tender. The actual rate without GST shall be taken from the GST invoice produced by the contractor subject to be found in order as per the then prevailing market rates by the Architect & the Bank. The differential rate shall be applicable for the actual quantity executed & measured for that item of work. The differential amount thus calculated shall be either plus or minus and shall be paid or recovered from the contractor. GST shall be paid on this amount.

It shall be mandatory to obtain approval of quantity / rate for the PMC / Bank before purchase of any material.

In the above case for calculating price variation as per clause 42 of GCC, amount of above material/s shall be deducted as per basic rate from the total work done amount.

43.0 Force Majeure

43.1 Neither contractor nor SBI shall be considered in default in performance of the obligations if such performance is prevented or delayed by events such as but not war, hostilities revolution, riots, civil commotion, strikes, lockout, conflagrations, epidemics, pandemic, accidents, fire, storms, floods, droughts, earthquakes or ordinances or any act of or for any other cause beyond the reasonable control of the party affected or prevents or delayed. However, a notice is required to be given within 30 days from the happening of the event with complete details, to the other party to the contract, if it is not possible to serve a notice, within the shortest possible period without delay.

43.2 As soon as the cause of force majeure has been removed the party whose ability perform its obligations has been affected, shall notify the other of such cessation and the actual delay incurred in such affected activity adducing necessary evidence in support thereof.

43.3 From the date of occurrence of a case of force majeure obligations of the party affected shall be suspended during the continuance of any inability so caused. With the caused itself and inability resulting there from having been removed, the agreed time completion of the respective obligations under this agreement shall stand extended a period equal to the period of delay occasioned by such events.

42.4 Should one or both parties be prevented from fulfilling the contractual obligations by state of force majeure lasting to a period of 6 months or more the two parties, shall each other to decide regarding the future execution of this agreement.

44.0 Local laws, Acts Regulations:

The contractor shall strictly adhere to all prevailing labour laws inclusive at contract labour (regulation and abolition act of 1970) and other safety regulations. The contractors should comply with the provision of all labour legislation including the latest requirements of the Acts, laws, any other regulations that are applicable to the execution of the project.

I) Minimum wages Act 1948 (Amended)

- ii) Payment of wages Act 1936 (Amended)
- iii) Workmen's compensation Act 1923 (Amended)
- iv) Contract labour regulation and abolition act 1970 and central rules 1971 (Amended)
- v) Apprentice act 1961 (Amended)
- vi) Industrial employment (standing order) Act 1946 (Amended)
- vii) Personal injuries (Compensation insurance) act 1963 and any other modifications
- viii) Employees' provident fund and miscellaneous provisions Act 1952 and amendment thereof
- ix) Shop and establishment act
- x) Any other act or enactment relating thereto and rules framed there under from time to time.
- xi) Prevailing Indian Electricity rules & act.

45.0 SAFETY CODE:

Safety code to be followed as per para 82 of SCC (Special Conditions of Contract)

46.0 Accidents

The contractor shall immediately on occurrence of any accident at or about the site or in connection with the execution of the work report such accident to the Architect / consultant. The contractor shall also such report immediately to the competent authority whenever such report is required to be lodged by the law and take appropriate actions thereof.

47.0 The contractor's shall be bound to comply the following provision in terms of "Restrictions imposed by the Government of India, Ministry of Finance Department of Expenditure under Rule 144 (XI) of General Financial Rules 2017 vide their order no. F. No 6/18/2019/PPD dated 23rd July 2020" as under.

6 Any bidder from a country which shares a land border with India will be eligible to bid in this tender ONLY if the bidder is registered with the Competent Authority (registration committee constituted by the Department for Promotion of Industry and Internal Trade).

7 Bidder' (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial judicial person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or Office controlled by such person, participating in a procurement process.

8 'Bidder from a country which shares a land border with India (such a country)' for this purpose means:

- a. An entity incorporated, established or registered in such a country; or
- b. A subsidiary of an entity incorporated, established or registered in such a country; or
- c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
- d. An entity whose beneficial owner is situated in such a country; or
- e. An Indian (or other) agent of such an entity; or

f. A natural person who is a citizen of such a country; or
g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above IV. The beneficial owner for the purpose of (iii) above will be as under:

1. In case of A Company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more judicial person, has a controlling interest or who exercises control through other means. Explanation

a. "Controlling ownership interest" means ownership of or entitlement to more than twenty five percent of shares or capital or profits of the company.

b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements.

2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more judicial person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.

3. In case of an unincorporated association or body of Individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more judicial person, has ownership of or entitlement to more than fifteen percent of the property or the capital or profits of such association or body of individuals.

4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.

5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

IV. An Agent is a person to do any act for another, or to represent another in dealings with third person.

V. The successful bidder shall not be allowed to sub-contract works to any contractor from country which shares a land border with India unless such contractor is registered with the Competent Authority.

VI. All bidders need to submit a declaration-cum-certificate (along with evidence) in this regard as per "Annexure VI". Failure to submit such valid declaration-cum-Certificate will make the bid liable for rejection."

48.0 Extension of time:

The time allowed for carrying out the work as entered in the agreement shall be strictly observed by the contractor and shall be reckoned from the date of commencement of work.

The work shall throughout the stipulated period of contract be proceeded with care and due diligence (time being the essence of the contract) on the part of the contractor. To ensure good progress of the work during the execution, the contractor shall be bound in all cases, by the time schedule submitted by him.

1. If the contractor shall desire an extension of time for completion of work on the grounds that there having been unavoidable hindrances in execution or on any other ground, he shall apply in writing in format enclosed at Annexure VII to the architect within 30 days of the hindrance on account of which he desires such extension.
2. The Site Engineer/APMCF shall consider the application with reference to the reasonableness of the grounds cited therein and the recordings in the Hindrance register maintained at site (Proforma enclosed at Annexure VIII). They shall thereafter forward their comments/recommendations to the architects. The architects shall refer the case to the /Premises & Estate Department of the Bank along with their recommendations.
3. The Premises & Estate Department on being satisfied about the reasonableness of the request of the contractors, in terms of the relevant contract conditions, may recommend a fair and reasonable extension of time as per Bank Guidelines for granting extension of time.
4. Extension of time shall be granted before expiry of the contract period so that the contract is in force at the time of granting extension of time. Even if the contractor fails to apply for extension of time, the Site Engineer/APMCF and architects shall bring the fact to the notice of the Premises & Estate Department.
5. While granting extension of time, it shall be clearly stipulated that the extension of time is being given without prejudice to the Bank's right to recover liquidated damages under relevant contract clause.
6. The letter granting extension of time is to be issued by the architects as per Bank's standard format
7. If the contractors fail to complete the work within the stipulated period, the extended time as above or if the delay in completion of the work is attributable to the contractor in any way whatsoever, liquidated damages shall be recovered from the contractor's dues as stipulated in the contract. The authority to decide as to whether liquidated damages are to be levied or not is as per Bank guidelines.

49.0 Substandard works and materials:

The contractors are required to execute all works satisfactorily and according to the specifications.

1. If any material or work is found to be unsound, imperfect, or inferior, from what is specified in the contract, the contractor shall be advised to rectify or re-execute the work or remove the material as the case may be within a reasonable time depending upon the nature of work. If the contractor fails to do so, the work shall be got redone or rectified or the material replaced through any other agency at the contractor's risk and cost as per the provisions of the contract. The form of letter to be given to the contractor in regard to rectification of defective work and removal of substandard material is to be issued as per Bank's Standard Format.
2. Under certain exceptional circumstances, when the substandard work done cannot be rectified or redone because of structural or other constraints, the matter shall be

reported to the architects and Premises & Estate Department and if it is subsequently decided to accept the said work, payment for such work shall be allowed at a reduced rate arrived at keeping in view the nature and extent of deviation from the specifications or drawings.

50.0 DELINQUENCIES

The under noted delinquencies / defaults / misconduct / misdemeanors on the part of tenderer or enlisted contractor will attract disqualification action.

1. Incorrect information about credentials, about his performance, equipment, resources, technical staff etc.
2. Non-submission of the fresh / latest income tax clearance certificate
3. Irregular tendering practice.
4. Submission of tender containing far too many arithmetical errors and freak rates.
5. Revoking a tender without any valid reasons.
6. Tardiness in commencing work
7. Poor organization at site and lack of his personal supervision
8. Ignoring Bank's notices for replacement / rectification of rejected materials, workmanship etc.
9. Violating any of the important conditions of contract i.e. site facilities, insurance, labour laws, ban on subletting etc.
10. Lack of promptitude and co-operation in measurement of work and settlement of final account.
11. Non-submission of vouchers and proof of purchases etc.
12. Tendency towards putting up false and untenable claims.
13. Tendency towards suspension of work for frivolous reasons.
14. Treatment of labour
15. Bad treatment of sub-contractors (piece workers) and unbusiness like dealings with suppliers of material.
16. Lack of co-operation with nominated contractors of Bank
17. Contractors becoming Bankrupt or insolvent.
18. Contractor's conviction by a Court of Law.
19. Failure to satisfactorily rectify defects during Defects Liability Period (DLP) and discovery of latent defects in contractor's work after the expiry of DLP of his contract.

50.1 DISQUALIFICATION ACTION AGAINST (DELINQUENCIES OF) CONTRACTOR

The award of the under noted disciplinary action shall be considered.

- a) Placing embargo on issue of tenders or temporary suspension from the Bank's approved list.
- b) Permanent ban on issue of tenders and removal from the Bank's approved list.

50.2 PROCEDURE

1. Correspondence on this subject shall be initiated (marked confidential) by the concerned Engineer in charge of project who discovered the contractor's misdemeanors / delinquencies etc.
2. The correspondence shall contain facts and proofs and not mere suspicions.
3. No disqualification action shall be taken against a contractor by an officer below rank of Assistant General Manager or the authority who have accorded approval for empanelment of pre-qualification.

4. Record of disqualification action taken against contractors shall be maintained in a separate file as also in the concerned contractor's dossier.

51. Observance of Contract Labour Act 1970 (Manual page no. 116 soft copy)

Various provisions of the Contract labour Act 1970 and the rules made there under cast certain obligations on the Bank in respect of Bank's Projects under construction at various centers. Under the Act, the Assistant General Manager of Premises & Estate Department would be considered as the "Principal Employer", even though the labourers are employed by the building contractor. The Act applies to every establishment in which twenty or more workmen are employed or were employed on any day of the preceding 12 months as contract labour. A workman shall be deemed to be employed as contract labour in connection with the work of an establishment when she/he is hired in connection with such work through a contractor with or without the knowledge of the principal employer.

However, in the cases of package deal agreements, it would not apply until the builder/vendor is deemed to be a contractor after execution of Deed of Conveyance, if so, provided in the agreement. The Act also does not apply to the work of gardening, maintenance of residential colonies and services therein. Such arrangements need not be included in the records to be maintained under the Act and rules made thereunder. During the construction of a project the "Principal Employer" shall comply with certain provisions of the Act in so far as they are applicable to the particular case. These provisions relate to-

(i) Registration of Establishment (Section 7).

The principal employer shall make an application to the registering officer in the prescribed manner for registration of establishment. The application for registration shall be made in triplicate in Form No.1 (Ref. Annexure XII) to the registering officer of the area in which the establishment sought to be registered is located. The application shall be accompanied by the Treasury receipt showing payment of fees for the registration of the establishment. The application shall be either personally delivered to the registering officer or sent to him by registered post. The employer can not employ the contract labour in his establishment unless he registers under Section 7 of the Act.

(ii) Maintenance of registers and other records (Section 29).

The following registers and records are required to be maintained by the Principal Employer:

1. Register of contractors in Form XII of the Contract Labour (Regulation & Abolition) Control Rules 1971 (Refer Annexure-XIII).
2. Notice showing the rates of wages, hours of work, wage period, dates of payment of wages, names and address of the Inspectors having jurisdiction and date of payment of unpaid wages, shall be displayed in English and in Hindi and in local language, in conspicuous places at the work site.
3. Return intimating the actual date of the commencement or completion of each contract work, under each contractor, shall be submitted to the Inspector within 15 days from the commencement or completion of the work as the case may be. The return shall be filed in Form No.VI B (Refer Annexure XIV)

4. The annual return in duplicate in Form No. XXV (Annexure XV) shall be submitted to the Registering Officer concerned so as to reach him not later than the 15th of February following the end of the year to which it relates.

All the registers, records and notices shall be produced on demand before the Inspector or any other authority under the Act.

(iii) Responsibility of payment of wages of workmen (Section 21).

Every principal employer shall nominate a representative duly authorized by him to be present at the time of disbursement of wages by the contractor and it shall be the duty of such representative to certify the amounts paid as wages in the prescribed manner. The authorized representative shall record under his signature, a certificate at the end of the entries in the Register of wages or in the Register of wage and Muster Roll, in the following form.

"Certified that the amount shown in Column No. ____ has been paid to the workmen concerned in my presence on _____ at _____."

The Contractor shall be advised to disburse the wages in the presence of the authorized representative. If the contractor fails to make payment of wages within the prescribed period or makes short payment, the principal employer shall be liable to make payment of wages in full or the unpaid balance due to the contract labour employed by the contractor and recover the amount so paid from amounts payable to the contractors.

(iv) Welfare measures (Sections 16 to 19)

The welfare measures like canteen, rest rooms and other facilities to the contract labour are required to be provided by the contractor himself, but if any of the facilities is not provided by the contractor, then it shall be provided by the employer within 7 days of the commencement of the employment of contract labour. However, all expenses incurred by the Bank in providing the amenity shall be recovered from the Contractor either by deductions from any amount payable to the contractor or as a debt payable by the contractor.

(v) Penalty for contravention (Section 22 to 27).

a) Whoever obstructs an Inspector in the discharge of his duties under the Act or refuses or willfully neglects to afford the Inspector any reasonable facility for making any inspection, examination, enquiry or investigation authorised by or under the Act in relation to an establishment, shall be punishable with imprisonment for a term which may extend to 3 months or with fine which may extend to Rs.500/- or with both.

b) The contravention of any provision of the Act or of the rules made thereunder or contravention of any condition of a license granted under the Act is punishable with imprisonment which may extend to 3 months or with fine which may extend up to Rs.1000/- or with both.

The Site Engineer/APMCF shall ensure that all the obligations under the relevant provisions of the Act including obtaining licenses by the contractor under Section 12 of the Act are complied with. Before releasing the contractor's final payment, they shall also ensure that the contractors have paid all dues to their contract labour. Note : The contractor has to meticulously comply with para 50 & Annexures (XII to XV) about the Observance of Contract Labour Act 1970 and its updated version/ amendments time to time.

14.ANNEXURE XII: FORM I: FORMAT OF APPLICATION FOR REGISTRATION OF ESTABLISHMENT EMPLOYING CONTRACT LABOUR

1	Name and location of the Establishment.	
2	Postal address of the Establishment.	
3	Full name and address of the Principal Employer. (furnish father's name in the case of individuals)	
4	Full name and address of the Manager or the person responsible for the supervision and control of the Establishment.	
5	Nature of work carried on in the Establishment.	
6	Particulars of Contractors and Contract Labour:	
(a)	Names and address of the Contractors	
(b)	Nature of work in which contract labour is employed or is to be employed.	
(c)	Maximum number of contract labour to be employed any day through each Contractor.	
(d)	Estimated date of commencement of each contract work under each Contractor.	
(e)	Estimated date of termination of employment of contract labour under each Contractor.	
7	Particulars of Treasury Receipt enclosed. (Name of the Treasury, Amount and Date)	

I hereby declare that the particulars given above are true to the best of my knowledge and belief.

Principal Employer

Seal and Stamp

.....

ANNEXURE XIII : FORM XII: FORMAT OF REGISTER OF CONTRACTORS

1 Name and addresses of the Principal Employer _____

2 Name and address of the Establishment _____

Sr. No	Name and address of the contractor	Nature of work on contract	Location of contract work	Period of contract from to	Maximum number of workmen employed by the contractor

ANNEXURE XIV: FORM VI-B: FORMAT OF NOTICE OF COMMENCEMENT/COMPLETION OF CONTRACT WORK

1. Name and Principal Employer & address.
2. No. and Date of certificate of registration
3. I / We hereby intimate that the contract work _____ (Name of work) given to _____ (Name and address of the contractor) having License No. _____ dated _____ has commenced/has been completed with effect from _____ (date)/ on _____ (date).

Signature of the Principal Employer

The Inspector,

ANNEXURE XV : FORM XXV: FORMAT OF ANNUAL RETURN OF THE PRINCIPAL EMPLOYER TO BE SENT TO THE REGISTERING OFFICER

Sr. No		Year ending 31st December
1	Full name and address of the Principal employer	
2	Name of the Establishment. (a) District (b) Postal Address (c) Nature of operation/industry/work carried on	
3	Full name of the Manager or person responsible for supervision control of the Establishment.	
4	Number of Contractors who worked in the Establishment during the year (Given details as per proforma below).	
5	Nature of work/operations on which contract labour was employed.	
6	Total number of days during the year on which contract labour was employed.	
7	Total number of man days worked by contract labour during the year.	
8	Maximum number of workmen employed directly on any day during the year.	
9	Total number of days during the year on which direct labour was employed.	
10	Total number of man days worked by directly employed workmen.	
11	Changes, if any, in the management of the establishment, its location or any other particulars furnished to the Registering Officer in the application for Registration indicating also the dates.	

Place_____

Date_____

Principal Employer

Name

52.0 Programme charts and Progress Report:

1. As soon as the contract is awarded, a suitable program of work, preferably in the form of a bar / PERT chart shall be drawn up for completion of the different stages of the work, so as to ensure its completion within the allotted period of time. This program shall be submitted by the contractor in consultation with Architect/APMCF or Site Engineer.
2. The monthly progress chart as given in annexure-X indicating there in the programme and progress achieved both physical and financial with reasons for short fall, if any, shall be sent by the Site Engineer/APMCF to concern Department of the Bank before 10th of the following month.

17 Co-ordination and Monitoring:

1. It is the prime responsibility of the architects/APMCF to ensure that execution of the work progresses smoothly in accordance with the programme and in proper co-ordination among different agencies.
2. The Architects/APMCF shall keep a close watch on the progress of work, the resources position etc. and take suitable timely remedial measures to sort out the bottlenecks in consultation with the concerned Department of the Bank.
3. Site meetings shall be held at periodical intervals at least once in a month or at closer intervals where Architect/APMCF/Site Engineer/Bank's Engineer and the representatives of various agencies who are involved in the project shall attend and review the progress of work and sort out hindrances, if any.
4. Concerned Project Engineers/A.G.M. shall attend site meetings as often as possible in the interest of expeditious progress of the work. Minutes of the site meetings shall be prepared by the Architects/APMCF and furnished to the concerned Department and others concerned immediately after of holding such meeting.
5. In terms of the contract provisions, the contractors for general building work are required to submit progress photographs (in triplicate) at the beginning of each month. The photographs shall be so taken in such a manner so as to give a fair idea of progress of construction and the date of photographs taken shall be written on the reverse.
6. As a faster means of coordination and monitoring, the use of advanced technology may be used.

53.0 Testing of materials and approval:

1. To ensure use of quality materials and to exercise proper quality control on the works, certain tests are to be undertaken regularly by the contractor during the progress of the work as per the provisions of the contract. Some of the important tests that are to be carried out on the construction materials are such as water, steel, bricks, cement, tiles, timber, particle boards, aggregates, pipes, fittings, concrete, wires/cables, M.S. sheets, conduits, earth pits and these shall be conducted as per the relevant BIS specifications/agreement at the Government approved Technical Institutes/Laboratories. Report on these tests shall be forwarded to the Architects/APMCF who shall duly certify the results thereof are in order and the materials may be used in the work. If the results do not conform to the relative BIS, the architects shall take immediate appropriate action as per terms of contract.

2. Results of all concrete cube tests shall be recorded in a Register of Cube Tests as per Annexure XI maintained at site in a register and signature of the contractors and Site Engineer/APMCF be obtained.
3. In case to ascertain quality of executed work on site SBI/APMCF may ask Contractor to carry out specialized third-party tests, then the contractor to carry out those tests without any extra cost to SBI/APMCF.
4. Under the terms of contract, the contractors are required to submit samples of various materials, items, fittings etc. for the approval of the Bank and architect. For this purpose, special site meetings shall be arranged in the initial stage of project execution. The materials of brand names, if any, given in the contract shall only be selected. In exceptional cases only like outdate of product technology, closure of company etc., equivalent material usage other than mentioned in approved materials list shall be allowed after duly approval from the SBI & APMCF. SBI reserves the right to reject the materials without assigning any reason whatever it may be. As far as possible, the materials of brand names, if any, given in the contract shall only be selected.

54.0 Site order book:

- i) For issuing instructions to contractors in the course of day-to-day supervision of works, site order book shall be maintained by the Site Engineer/APMCF in a prescribed form (Refer Annexure XVI). Instructions should be prepared in triplicate and serially numbered. A copy of these instructions can be given to the contractor and architect for necessary action. While issuing such instructions, the contractor/his authorized representatives' signature shall be obtained on the office copy.
- ii) Instructions in the site order book shall be recorded under the signature of the Site Engineer/APMCF. The Bank's Engineer during his periodical inspection/visit shall peruse and record his instructions, if any, in this book.
- iii) All instructions to the contractors which are at variance with tender provisions as also pointing out lapses on the part of the contractors to adhere to the tender specifications shall be issued in writing through site order book by the Site Engineer/APMCF as well as architect and Bank's officials visiting the site.
- iv) The site order book shall be kept in the custody of the Site Engineer/APMCF at site. This fact shall be made clear to the contractors at the beginning of the work.
- v) The site order book shall be referred to at the time of making final payments to the contractors.
- vi) The site order book shall be preserved for a period of 5 years or up to the time of all disputes/arbitration cases of the work are finally settled, whichever is later, after completion of a work in the same manner as a M.B.

55.0 Hindrance Register:

In order to have a record of hindrance in the progress of work which may result in delays and consequent claims from the contractors for extension of time a Hindrance Register shall be maintained at the construction site. The details of hindrances with time period shall be recorded by the Site Engineer/APMCF therein when these occur and all recordings shall be signed jointly by the Site Engineer/APMCF and the contractor's representative. The extract of the same shall be sent to the Premises & Estate Department. While considering the contractor's request for extension of time for completion of work, this register shall be referred to.

56.0 Site Register:

The following registers are to be maintained at site office:

- i) Daily Progress record
- ii) Site order book
- iii) Cement and steel register (Receipts, consumption, balances).
- iv) Concrete cube test register/slump cone test register.
- v) Register of drawings and working details.
- vi) Logbook of defects.
- vii) Test reports of building materials.
- viii) Sand bulkage register/silt content register.
- ix) Lead register.
- x) Daily labour register.
- xi) Variation order register.
- xii) Hindrance register
- xiii) Electrical wiring system testing register.
- xiv) Equipment test certificate register.

These registers and a set of latest drawings shall be kept in the safe custody of the Site Engineer/APMCF.

Other than above registers, more may be required to be maintained at site as per project requirements.

14. BANK'S BUILDING PROJECTS MAINTENANCE OF RECORDS TO BE DONE BY CONTRACTOR

A.	Registers at the site office of the Bank's Engineer / APMCF:
1	Measurement Books.
2	Cement Register (Daily Record).
3	Steel Register.
4	Steel Consumption Register – Bill wise.
5	Drawings register
6	Materials at site register.
7	Hindrance Register.
8	Concrete cube Test Register.
9	File and Register for extra / variation items.
10	Materials test Register and File.
11	Site Order Book (in triplicate).
12	Lead caulking Register.
13	Labour Reports and progress Reports Register.
14	Site Visit & Instructions Register.
15	Certified true copies of the contracts.

15.ANNEXURE VI

Declaration-Cum- Certificate on the Letter Head of Bidder Regarding Restrictions on Procurement From Bidders From A Country Or Countries, On Grounds Of Defense In India, Or Matters Directly Related Thereto, Including National Security.

Restrictions under Rule 144 (XI) of General Financial Rules 2017 of Ministry of Finance, India order no. F. No 6/18/2019/PPD dated 23rd July 2020

I/We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India.

I/We, the bidder (Specify full name -----) certify that we are NOT from such a country OR, if from such a country, has been registered with Competent Authority.

I/We hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

(Signature of Authorised Signatory along with Seal)

Name of authorised signatory:

Designation of Authorised signatory:

List of Evidence enclosed:

1. Copy of certificate of valid registration with the Competent Authority (Score out if not applicable)
2.
3. ...

16.ARTICLES OF AGREEMENT

This agreement made theday of between Assistant General Manager/ DGM (), State Bank of India, -----(hereinafter called the Bank or SBI) which expression shall include the successors and assigns) of the one part and M/s. company / partnership for registered under the Indian Companies Act / Partnership Act having its office registered -----(hereinafter called 'the Contractors' which expression shall include the present directors / partners and also the directors / partners from time to time as also their respective heirs, legal representatives, administrators and assigns) of the other part

WHEREAS the employer is desirous of execution of _____(**Name of Work**)_____ and has caused drawings and specifications describing the works to be done prepared by Project **Architects M/s** _____ having their offices at _____ (hereinafter called "the Architect")

AND WHEREAS THE SAID Drawings numbered as mentioned in the tender documents hereinafter mentioned and to be issued from time to time, the specifications and the Schedule of items and quantities have been signed by or on behalf of the parties hereto. AND whereas the contractors have agreed to execute upon and subject to the condition set forth herein and Schedule of items and quantities, General & special Conditions of Contract, specification etc. contained in the tendered documents including all correspondences exchanged by or between the parties from the submission of tender till the award of work, both letters inclusive, (all of which are collectively hereinafter referred to as "the said conditions"). The works shown upon the said drawing and /or described in the said specification and included in the schedule of Items and Quantities at the respective rates therein set forth amounting to the sum of ____**Rs**_____ (Rupees _____in words_____) as there in 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 consideration of the said Contract amount to be paid at the times and the manner set forth in the said Conditions, the Contractors 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 items and quantities.
2. The employer shall pay the Contractors the amount or such other sum as shall become payable, at the times and in the manner specified in the said conditions.
3. The term "the Architect" in the said condition shall mean the said "M/s _____" or in the

event of their ceasing to be the Architect for the purpose of this contract for whatever reason, such other person or persons as shall be nominated for that purpose by the Employer, not being a person to whom the Contractor shall object for reasons considered to be sufficient by the Employer provided always that no person or persons subsequently appointed to be Architect under this contract shall be entitled to disregard or over rule any previous decisions or approval or direction given or expressed in writing by the architect for the time being.

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

5. The plans, 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 of the entire project on item rate basis to be paid for according to actual measured quantities at the rates contained in the schedule of quantities and rates or as provided in the said conditions.

7. The Bank / Employer reserves to itself the rights of altering the specifications and nature of work by adding to or omitting any item of work or having portions of the same carried out without prejudice to the contract.

8. Time shall be considered as the essence of this contract and the contractor here by agrees to commence the work soon after the site is handed over to him or from the 14th day after date of issue of formal work order as provided for in the said conditions of contractor whichever is later and to complete the entire work within ____ (period of contract) months subject never the less to the provisions for extension of time.

9. All payments by the Employer under this contract will be made only at _____.

10. Any dispute arising under this Agreement shall be referred to arbitration in accordance with the stipulations laid down in the tender.

11. That all the parts of this contract have been read by the contractor and fully understood by the contractor. They further agree to complete the said work to fullest satisfaction of architect / Employer.

12. IN WITNESS WHEREOF the Employer and the contractors have set their respective hands to these presents through their duly authorized official and the said two duplicates hereof to be executed on its behalf of the day and year first herein above written.

**Signed on Behalf of
State Bank of India**

**Signed on Behalf of the
Contractor**

In Presence of

In Presence of

1 Signature_____

1. Signature _____

Name_____

Name_____

Address_____

Address _____

In Presence of

In Presence of

2. Signature_____

2. Signature _____

Name_____

Name_____

Address_____

Address _____

17.APPENDIX HEREIN BEFORE REFERRED TO

1	Name of the organization Offering Contract:	Assistant General Manager, Premises & Estate Dept., Local Head Office, 8th Floor, West Gandhi Maidan, Patna : 800001
2	Architect Consultants /APMCF	M/s. D.K. & Associates
3	Site Address	Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar
4	Scope of Works	Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar
5	Name of the Contractor	
6	Address of the Contractor	
7	Period of Completion	As per clause 3 of NIT.
8	Earnest Money Deposit	Rs. 42,91,139.00 (Rupees Forty Two Lakhs Ninety One Thousand One Hundred and Thirty Nine Only) in the form of Demand Draft or Banker's Cheque drawn in favor of State Bank of India Payable at Patna. (Valid for a period of 90 Days from the last date of submission of the tender) EMD to be deposited on or before the time and last date of submission of the technical bid.
9	Security Deposit (SD) / Retention Money	As per Part B - Point 6 of Information and Instruction to Bidders. A
10	Defects Liability Period	As per Clause No. 1.1.17 (a) of GCC.
11	Insurance to be undertaken by	As per Clause 25 of GCC.

	the :	
12	Liquidated damages:	As per Clause No 8 of GCC.
13	Value of Interim Bill (Min.) :	As per Clause no. 21 of NIT.
14	Date of Commencement	As per Clause 26 of GCC.
15	Period of Final measurement	As per Clause 22 of GCC.
16	Initial Security Deposit:	As per clause no. 2 (b) of GCC.
17	Total Security Deposit: As per clause No.	2 of GCC
18	Refund of Total Security Deposit Comprising of EMD and ISD	This Retention amount shall be released by the SBI in Two stages ie. 50% of Security Deposit be released after issuing of VCC and remaining 50% shall be released after completion of Defect Liability Period and Completion of Project Closure report from SBI and APMCF (para 1.1.17 of GCC) whichever is later and provided no complaint is received or the defects has been rectified by replacing the same satisfactorily.
19	Period for Honoring Certificate	1. One Month for R.A. Bills 2. The final bill will be submitted by the Contractor within one month of the date fixed for completion work and the Bill shall be Certified as per Clause 22 of GCC provided the bills are submitted with all pre-requisite documents, compliances of Statutory Authorities, test reports, etc. prescribed in the tender.

Signature of Tenderer.

Date:

18. SPECIAL CONDITIONS OF CONTRACT (SCC)

GENERAL

1) Unless otherwise specified, IS Codes, NBC Guidelines, CPWD Specifications 2019 volume I - II with correction slips up to date shall be followed. Any additional item of work, if taken up subsequently, shall also conform to the relevant IS Code, CPWD specifications mentioned above. Should there be any difference or discrepancy between the description of items as given in the schedule of quantities, particular specifications for individual items of work and I.S. Codes etc., the following order of preference shall be observed.

- i) Minimum specification and standards, Tender Drawings, Schedule of Quantities
- ii) Particular Specifications, Special Conditions
- iii) CPWD Specifications.
- iv) Indian Standard Specifications of BIS
- v) National Building Code 2016 with up-to-date amendments
- vi) Sound engineering practices as per directions of the APMCF/SBI

2) The work shall be carried out in accordance with the Architectural drawings, structural drawings & MEP drawings, relevant codes, specifications etc. before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work and satisfy himself that the information available therein is complete, suitable and unambiguous. The discrepancy, if any, shall be brought to the notice of the APMCF/SBI before execution of the work, The contractor shall be solely responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and or incomplete information. The APMCF /SBI, in no case, shall be held responsible for the accuracy thereof and/or interpretations or conclusions drawn there from by the Contractor and all consequences shall be borne by the Contractor. It is presumed that the Contractor shall satisfy himself for all possible contingencies, incidental charges, wastage, bottleneck etc. likely during execution of work and acts of coordination which may be required. Nothing extra shall be payable on this account.

3) The work shall be carried out, all in accordance with true intent and meaning of the specifications and the drawings taken together, regardless of whether the same may or may not be particularly shown on the drawings and/or described in the specifications, provided that the same can be reasonably inferred. There may be several incidental works, which are not mentioned in the scope of work but will be necessary to complete the item in all respect. All these incidental works/ costs which are not mentioned in specifications / drawings / tender document but are necessary to complete the item shall be deemed to have been included in the rates

quoted by the contractor. No adjustment of rates shall be made for any variation in quantum of incidental works due to variation / change in actual working drawings. Also, no adjustment of rates shall be made due to any change in incidental works or any other deviation in such element of work (which is incidental to the items of work and are necessary to complete such items in all respects) on account of the directions of APMCF /SBI. Nothing shall be payable on the account of incidental works.

4) If any further details/elaboration or any miscellaneous clarifications etc. to the attached drawings required to the contractor for execution of work, the same may be asked by the contractor at least one month prior to its requirement so that consultant of the work may provide within a month to him. No hindrance shall be given on this account. Requirement of more Elaboration/detailing/Miscellaneous Drawings as required by contractor and provided by the consultant/department shall not mean change of Scope of Work etc. and for that nothing extra shall be payable to contractor.

5) In the event of any variation/ discrepancy in the drawings, specifications and tender Documents etc. the decision of the APMCF /SBI shall be final binding and conclusive on the contractor and in the case the contractor have any doubt and the same should be got clarified immediately from the APMCF /SBI and no claim of the contractor shall be entertained thereafter. Moreover, the agency is not allowed to take benefit out of any clerical/ grammatical mistake in the standard clauses/Specifications etc. being used in the agreement.

6) Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor, in case any damages to such existing services take place the same shall be rectified by the contractor at his own expense to the satisfaction of the APMCF /SBI. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.

7) Existing Storm water drains around periphery of site shall be maintained by the Contractor free of cost by regular cleaning, repairing, protecting, Debris removing, making smooth path for the flow of storm water.

8) The contractor shall be responsible for the watch and ward / guard of the buildings, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures provided by him against theft/ pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department.

9) The entire work up to the plinth level, as required for obtaining approval up to the plinth (Further commencement certificate after plinth level) from the local authority, shall be completed by the Contractor simultaneously. Work above plinth shall be allowed to be carried out only after obtaining approval from the local body. No delay shall be allowed on this ground and also no claim whatsoever on account

of any delay in approval at plinth level by the local body shall be entertained from the Contractor.

10) The rates quoted by the Contractor are deemed to be inclusive of site clearance, setting out work, profile, establishment of reference benchmark(s), taking spot levels, construction of all safety and protection devices, barriers, preparatory works, working during monsoon, working at all depths, height, lead, lift and location and any other incidental works required to complete this work.

11) For works below ground level the contractor shall keep that area free from water. If dewatering or bailing out of water is required, the same shall be responsibility of contractor. Nothing extra shall be paid on this account.

12) Any legal or financial implications resulting out of disposal of earth shall be carried out by the contractor at his own cost. Nothing extra shall be payable on these accounts

13) The Contractor shall keep himself fully informed of all acts and laws of the Central & State Governments, all orders, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect those engaged or employed and anything related to carrying out the work. All the rules & regulations and byelaws laid down by local body and any other statutory bodies shall be adhered by the contractor, during the execution of work. The Contractor shall also adhere to all traffic restrictions notified by the local authorities.

14) The cost of water for construction and labours (for municipal water connection as well as tanker water) shall be borne by the contractor. Also, if the contractor obtains water connection for the drinking purposes from the municipal authorities or any other statutory body, the consequent charges shall be borne by the contractor. All statutory taxes, levies, charges (including water and sewerage charges, charges for temporary service connections and / or any other charges) payable to such authorities for carrying out the work, shall be borne by the Contractor.

15) The Contractor shall arrange to give all notices as required by any statutory / regulatory authority for labour licenses, registration with EPFO, ESIC and BOCW Welfare Board etc. and shall pay to such authority all the fees, cess, labour cess, etc. that is required to be paid for the execution of work. He shall protect and indemnify the Department and its officials & employees against any claim and /or liability arising out of violation of any such laws, ordinances, orders, decrees, by himself or by his employees or his authorized representatives. Nothing extra shall be payable on these accounts.

16) All payments or fees related to all works shall be payable to Government/ Local Body including statutory payments demanded either in the name of Customs Department Contractor for obtaining the various applicable permissions/ all required and applicable Approvals/licenses like CFO approvals, excavation approval, Certificate and making and getting all permanent civil and E & M service connections, Payments payable to electrical supply company etc. for the scope of

this work shall be borne by the Contractor. No extra payment shall be done to Contractor on this account.

17) Royalty at the prevailing rates shall be paid by the Contractor on all materials such as boulders, metals, sand and bajri etc. collected by him for the execution of the work, directly to the revenue authority of the state government concerned.

18) No foreign exchange shall be made available by the Department for importing (purchase) of equipment, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained.

19) The Contractor shall carry out his work so as not to interfere with or hinder the progress of the work being carried out by any other agency. As far as possible, he shall arrange his work and place, so as not to interfere with the operations of other Contractors or shall arrange his work with that of the others, in an acceptable and coordinated manner and shall perform it in proper sequence

20) If the work is carried out in more than one shift or during night, no claim on this account shall be entertained. The agency must take permission from the police authorities etc. if required for work during night hours, no claim / hindrance on this account shall be considered if work is not allowed during nighttime.

21) The Contractor shall assume all liability, financial or otherwise in connection with this contract and shall protect and indemnify the SBI from any and all damages and claims that may arise on any account. The Contractor shall indemnify the SBI against all claims in respect of patent rights, royalties, design, trademarks of name or other protected rights, damages to adjacent buildings, roads or members of public, residents, visitors, other agencies/vendor's workers, & their vehicles in course of execution of work or any other reasons whatsoever, and shall himself defend all actions arising from such claims and shall indemnify the SBI in all respect from such actions, costs and expenses. Nothing extra shall be payable on this account.

22) The Contractor shall make all necessary arrangements for protection from rains, the work already executed and for carrying out the further work, during monsoon including providing and fixing temporary shelters, protections etc.

23) In case of flooding of site on account of rain or any other cause and any consequent damage, whatsoever, no claim financially in the contract agreement. Also, the Contractor shall make good at his own cost, the damages caused, if any.

24) The Contractor shall take all necessary precautions to prevent any nuisance or inconvenience to SBI, tenants or occupants of the adjacent properties and to the public in general. The Contractor shall take all care, as not to damage any other adjacent property or other services running adjacent to the plot. If any damage is done, the same shall be made good by the Contractor at his own cost and to the entire satisfaction of the APMCF /SBI. The Contractor shall use such methodology and equipment for execution of the work, so as to cause minimum environmental

pollution of any kind during construction, to have minimum construction time and minimum inconvenience to road users and to the occupants of the buildings on the adjacent plot and public in general, etc. He shall make good at his own cost and to the entire satisfaction of the APMCF /SBI any damage to roads, paths, cross drainage works or public or private property whatsoever caused, due to the execution of the work or by traffic brought thereon, by the Contractor. Further, the Contractor shall take all precautions to prevent any pollution of streams and waterways. All waste or superfluous materials shall be carted away by the Contractor, entirely to the satisfaction of the APMCF /SBI. Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants / users of adjoining buildings. No claim whatsoever on account of site constraints mentioned above or any other site constraints not specifically stated here, shall be entertained from the Contractor. Therefore, the Contractors are advised to visit site and get first-hand information of site constraints. They should quote their rates accordingly.

25) The quoted rates shall also be inclusive of all ancillary/enabling and incidental works required for execution of work like labour camp, stores, fabrication yard, offices, watch and ward, temporary structure for plants and machineries, scaffolds, H frames, Props, Spans, Cup lock system, Safety Platforms, Covering external scaffold with green shade nets, polypropylene sheets to avoid direct fall of any materials from higher side, Safety equipment, watch and ward security, vehicles, labs, water storage tanks, arrangement for temporary connection for electricity, telephone, water etc. including their consumption charges, protection works, barricading, providing testing facilities / laboratory at site of work for various field and laboratory tests or any other activity which is necessary for execution of work and as directed by APMCF /SBI. Before start of the work, the Contractor shall obtain approval of the APMCF /SBI, before locating various temporary structures/ site office, positioning of machinery, material yard, cement and other storage, steel fabrication yard, site laboratory, water tank, etc.

In Addition to the above Contractor to take into considerations of Preamble mentioned in Tender BOQ

26) The Contractor shall display all permissions, licenses, registration certificates, bar charts, other statements etc. under various labour laws and other regulations applicable, at his site office.

27) The Contractor shall cooperate with and provide facilities to the sub-Contractors and other agencies working at site for smooth execution of the work. The Contractor shall

- i) Properly co-ordinate his work with the work of other agencies.
- ii) Provide control lines and benchmarks to his Sub-Contractors and the other Contractors.
- iii) Provide electricity at mutually agreed rates.
- iv) Co-ordinate with other Contractors for leaving inserts, making chases, alignment

of services etc. at site.

v) Adjust his work schedule and site activities in consultation with the APMCF /SBI and other Contractors to suit the overall completion schedule.

vi) Resolve the disputes with other Contractor amicably and the APMCF /SBI shall not be made intermediary or arbitrator. The contractor shall indemnify the SBI against any claim(s) arising out of such disputes.

Vii) In case of variation / conflicting provisions is observed in any condition of bid document forming part of contract, the decision of tender accepting authority shall be final and binding on the contractor

28) As Built Drawings

i) For the drawings issued to the contractor by the APMCF . The APMCF will issue two sets of drawings to the Contractor for the items for some changes have been made. From the approved drawings as instructed by the SBI / APMCF. The contractor will make the changes made on these copies and return these copies to the APMCF for their approval. In cases revision is required or the corrections are not properly marked the APMCF will point out the discrepancies to the contractor. The contractor will have to incorporate these corrections and / or attend to discrepancies either on copies as directed by the APMCF and resubmit to him for approval. The APMCF will return one copy duly approved by him.

ii) For the drawings prepared by the contractor

The contractor will modify the drawing prepared by him wherever the changes made by the SBI / APMCF and submit two copies of such modified drawings to the APMCF for approval. The APMCF will return one copy of the approved drawing to the contractor.

29) SUFFICIENCY OF TENDER

The Tenderer shall be entirely responsible for sufficiency of rates quoted by him in his tender.

Sufficiency of tender prices: Subject to any provisions laid down in the tender document, the Contractor shall be deemed to have satisfied himself before submitting his tender as to the correctness and sufficiency of the tender and to have taken account of all that is required for the full and proper execution of the contract and to have included in his rates and prices all costs related to the completion of work.

30) PROGRAM /SCHEDULE

The Contractor shall prepare an integrated programme chart within fifteen days of issue of award letter including Civil as well as E & M activities for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the program within the stipulated period and submit the same for approval of the APMCF /SBI.

These shall be submitted by the contractor through electronic media besides forwarding hard copies of the same. The integrated programme chart so submitted should not have any discrepancy with the physical milestones attached in the contract agreement. The programme chart should include the following:

- i) Descriptive note explaining sequence of various activities.
- ii) Construction Programme prepared on PRIMAVERA/MS Project Software, which will indicate resources in financial terms, manpower and specialized equipment for every important stage. One planning engineer should be engaged in project who is familiar in PRIMAVERA/MS Project software. No extra payment shall be made in this regard to the contractor. Hard copy of the construction programme with sign & stamp of Authorized signatory shall be submitted to SBI/APMCF
- lii) Programme for procurement of materials by the contractor.
- iv) Programme for arranging and deployment of manpower both skilled and unskilled so as to achieve targeted progress.
- v) Programme of procurement of machinery/equipment having adequate capacity, commensurate with the quantum of work to be done within the stipulated period, by the contractor.
- vi) Programme for achieving fortnightly micro milestones and periodic milestones.

31) The time allowed for carrying out the work as entered in the tender shall be strictly observed by the Contractor. This shall be reckoned from the date on which the order to commence work is given to the Contractor. Time being deemed to be the essence of this contract on the part of the Contractor, the work shall, during the stipulated period of the contract, proceeded with, all due diligence and executed as follows :

TABLE OF MILESTONE(S)

Sr. No.	Financial Progress	Time allowed (From date of start)	Amount to be withheld in case of non- Achievement of Milestone.
1	1/8th (of the whole work)	1/4th (of the whole work)	In the event of not achieving the necessary progress as assessed from the running payment, 1% of require financial progress value at that level of time will be withheld for failure of each milestone
2	3/8th (of the whole work)	½ (of the Whole work)	-do-
3	3/4th (of the whole work)	3/4th (of the whole work)	-do-
4	Full	Full	-do-

i) The agency shall submit measurement of work done with milestone on monthly basis along with RA bill as per milestone claimed. Based on milestone bill will be recommended for the payment.

ii) In case, the contractor does not achieve a particular milestone mentioned in

table of milestones, amount shown against the milestone shall be withheld, to be adjusted against the compensation levied at the final.

iii) The amount on failure to achieve a milestone shall be automatic withheld 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.

32) If at any time, it appears to the APMCF /SBI that the actual progress of work does not conform to the approved programme referred above, the contractor shall produce a revised program within seven days showing the modifications to the approved program by additional inputs to ensure completion of the work within the stipulated time. A recovery of amount/Penalty as specified shall be made in case of delay as per tender clause.

33) The submission for approval by the APMCF / SBI of such programme or the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibilities under the contract. This is without prejudice to the right of APMCF /SBI to take action against the contractor as per terms and conditions of the agreement.

QUALITY ASSURANCE & TESTING OF MATERIALS

34) The contractor shall establish field laboratory at site including all necessary equipment for field tests as given in tender document. All the relevant and applicable standards and specifications shall be made available by the contractor at his cost in the field laboratory.

Quality Assurance Engineer of the contractor shall be responsible for carrying out all mandatory field/ laboratory tests. The contractor shall so provide adequate supporting staff as his cost for carrying out field tests, packaging & forwarding of samples for outside laboratory tests and for maintaining test records. All the registers of tests carried out at site or in outside laboratories shall be maintained by the contractor. The test register shall be prepared and maintained by the Contractor as directed and approved the APMCF /SBI. All the entries in the test register will be made by the designated engineer of the contractor and same shall be regularly reviewed by the APMCF /SBI or his authorized representatives at site.

35) The Contractor shall procure and provide all the materials from the manufacturers / suppliers as per the list attached with the tender documents, as per the conditions and specifications for the work. The equivalent brand for any item shall be permitted to be used in the work, when any of the preferred make is not available. This is, however, subject to documentary evidence produced by the contractor regarding non availability of the preferred brand and also subject to independent verification by the APMCF /SBI. In exceptional cases, where such

approval is required, the decision of APMCF /SBI as regards equivalent make of the material shall be final and binding on the Contractor. No claim, whatsoever, of any kind shall be entertained from the Contractor on this account. Also, the sample work/ material shall be procured only after obtaining written approval of the APMCF /SBI.

36) All materials shall be got checked by the APMCF /SBI or his authorized supervisory staff on receipt of the same at site before use.

37) The Contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case he or his authorized representative is not present or does not associate him, the result of such tests and consequences thereon shall be binding on the Contractor. The Contractor or his authorized representative shall remain in contact with the APMCF/SBI or his authorized representative associated for all such operations. No claim of payment or claim of any other kind, whatsoever, shall be entertained from the Contractor.

38) All the hidden/Buried/ Concealed items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested as per the design conditions before covering.

39) Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should conform to Green Building norms, bylaws and municipal body/ corporation where Specifications are not available.

40) BIS marked materials except otherwise specified shall be subjected to quality test at the discretion of the APMCF /SBI besides testing of other materials as per the specifications described for the item/material. Wherever BIS marked materials are brought to the site of work, the agency shall, if required, by the APMCF /SBI, furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material / procured by the agency for incorporation in the work satisfies the provisions of specifications / BIS codes relevant to the material and / or the work done.

41) The contractor shall procure the required materials in advance so that there is sufficient time to testing of the materials and clearance of the same before use in the work.

42) The contractor shall supply free of charge the materials required for testing including packing and transportation to testing laboratory. The testing of materials shall be conducted in Govt. Laboratory/ Govt. colleges/ IITs/NITs or from the laboratory approved by APMCF/SBI. The charges for testing of materials shall be borne by the Contractor.

The tests shall be carried out under the supervision of the Engineer-in-charge. 70% of the total tests to be done is to be carried out on site laboratory if the facilities are available as per tender terms and conditions, remaining 15% tests is to be carried out at govt./ Semi Govt. laboratory and 15% tests is to be carried out at Govt. recognized/NABL accredited laboratory.

43) All expenditure to be incurred for testing of samples e.g., packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor in all cases irrespective of testing results.

44) Contractor shall submit minimum "Quality Assurance" plan within 45 days after award of work which shall be consisting of:

45) Lot size, number of required tests and frequency of testing.

46) While deciding these criteria Tender Specifications & Provisions of BIS Codes and Standard Practices may be referred. Volume of work, Practical Difficulties and Site Conditions etc. may also be kept in view. The lot size, number of tests and frequencies of testing can be increased as per requirement by the APMCF /SBI from the prescribed limits.

47) It should clearly indicate the Machinery and other Tool & Plants required to be deployed at site by the agency. Entire Machinery and T&P may not be required at the start of work, therefore, a proper time schedule by which each Machinery & T&P is to be brought at site should also be indicated.

48) The Contractor shall allow access to Third Party Quality Assurance (TPQA) Agency if any appointed by APMCF/SBI or any other Committee related to APMCF/SBI which required to visit the site to have a control on quality and methodology of execution. Samples of materials including Cement Concrete Cubes shall be taken jointly by Contractor and APMCF / APMCF /SBI or his authorized representative. All arrangements for transporting and getting them tested shall be made by the Contractor.

49) All material received at site shall be entered in MAS Register and copy of Supply order, Manufacturer's Test Certificate & Bill-invoice shall be maintained in order.

50) The MAS Registers, Cement Register, Steel Register, Paint and Chemical Register, Bitumen Register, Test Register etc. shall be maintained by a qualified staff of Contractor which may be inspected by APMCF /SBI or his/her representative at any time. The daily report of receipt of material shall be sent to Project Manager / Project Architect of APMCF or his/her representative.

51) The safe custody of all registers shall be the responsibility of Contractor. Submission of copy of all test registers and Material at Site Register along with each alternate Running Account Bill and Final Bill shall be mandatory.

52) As and when any important item is taken up for execution, the Contractor shall submit the specifications and develop a checklist and Pour card. This sample checklist should be got approved from the

APMCF /SBI and should be used at site. This check list should be shown to the APMCF /SBI or his/her representative during inspection. This procedure is to be followed for all hidden items, CC/RCC work, Steel-reinforcement, shuttering, flooring, doors & windows, plumbing, including water supply pipelines, roof treatment, earth filling etc.

53) In addition, the contractor shall submit theoretical consumption statements for the items involving use of cement, steel reinforcement, chemical, paints, ready mix concrete, bitumen etc. as directed by the APMCF /SBI along with every running account bill for record and reconciliation of material issued, consumed and balance.

54) These measurements shall then be 100% checked & verified by the authorized representatives of the APMCF. Subsequently measurements shall be checked by SBI engineer as per SBI guidelines along with APMCF. The contractor shall incorporate all such changes or corrections, as may be done during these checks, to his draft computerized measurements and submit the corrected computerized measurement Books with its pages machine numbered to the APMCF /SBI.

55) The Computerized Measurement Book shall be allotted a serial number as per the Register of Computerized Measurement Books and processed for payment.

56) PREPARATION OF SAMPLE

The contractor shall prepare mock up sample comprising of all finishes and fittings included in the scope of this contract for approval of committee consisting of members from each discipline, of APMCF and SBI. However, any sample not approved will not form part of the main work and the contractor shall have to dismantle and remove the same from the site of work at his cost and shall prepare new sample for approval as per direction of the APMCF /SBI. Nothing extra shall be paid on account of this.

Contractor can prepare 4 to 5 /suitable nos. of mockups of tiles, Toilets, CP Sanitary fittings and all other materials separately and get the samples approved well in before.

57) FACILITIES AT SITE FOR SBI & APMCF (Separately)

i) The Contractor shall construct site office (Permanent/semi-permanent structure for SBI & APMCF staff, equipped with all necessary equipment required for functioning of the office. The area of the office shall accommodate pantry, conference room, office rooms, toilets and other requisite facilities. In case of shifting CLIENT/APMCF site office should be carried out without any cost as per site requirement.

ii) The Contractor shall provide 2 number of computers (with minimum specification i5, 8GB RAM, 1 TB hard disc, 256 SSD, integrated graphic card), 1 laptops (with minimum specification i5, 8GB RAM, 1 TB harddisc, 256 ssd, 2GB dedicated graphic card) and 1 Tablets of Samsung or equivalent (with minimum specification 4G, VoLTE, Wi-Fi, Snapdragon 750G or equivalent, 2.2 GHz Processor, 6 GB RAM, 128 GB inbuilt, 10000 mAh Battery with Fast Charging, Memory Card Supported, up to 1 TB) along with two multi-function colour laser printers and two black and white laser printers etc. all new and in working condition with necessary peripherals. One colour printer (inkjet) for A3 size shall also be provided. It's O&M too is to be arranged by contractor by own cost.

- lv) The Contractor shall provide one land line with broadband connection.
- V) The Contractor shall provide brand new, BEE certified Air Conditioners of necessary tonnage capacity as per space, lighting and fixtures i/c fans, RO purified drinking water etc. during the whole agreement period. AMC charges, Electricity bill, water supply bills, RO/drinking water bills, telephone charges, internet charges etc. shall be borne by the contractor.
- Vi) The contractor shall provide the minimum required file/ Document storages and required infrastructure for a site office
- vii) Security and watch and ward
- viii) The contractor shall be responsible for security and watch and ward of the office, records, furniture and fixtures.
- ix) The contractor shall maintain the site office and its surroundings in a neat and clean condition for the entire duration of the construction. The toilet effluent shall be discharged into sewer line or soak pits without causing unsanitary conditions in the surroundings. After completion of the work, site office shall be dismantled by the contractor and all the dismantled materials furniture fixtures shall be taken away at his cost.
- X) Nothing extra shall be paid on account of this. The quoted rate by the contractor is inclusive of these facilities.

57.0 WATER / ELECTRICITY / TELEPHONE CONNECTION

- I) The contractor shall make his own arrangement for water, electricity & telephone etc. for his use at his cost. The Contractor shall abide by the rules/ bye laws applicable in this regard and he shall be solely responsible for any penalty on account of violation of any of the rules /bye laws in this regard. The Contractor shall indemnify the Department against any claim arising out of pilferage, theft, damage, penalty, non-settlement of bills etc. whatsoever on this account.
- ii) The Department shall in no way be responsible for any delay in getting electric and water and telephone connections for execution of the work or not getting connections at all. No claim of any kind, whatsoever, on this account shall be entertained from the Contractor. The Contractor shall arrange electricity and water etc. at his own cost required for testing of the various electrical installations, testing of water supply, sanitary and drainage lines, water proofing of underground and overhead tanks.

58.0 WATERPROOFING WORKS

The Contractor has to submit 10 Years Guarantee bond for all Water proofing works executed on site and in addition to Security Deposit additional 2.5% security deducted for completed work of the respective waterproofing work based on the cost of work executed. This security Deposit shall be released after satisfactory compliance of this 10 Years Period. BG shall not be entertained for it.

Note : Interest shall not be paid on any security deposit, retention amount, etc.,

whatsoever be the duration of it.

59.0 CLEANLINESS OF SITE

The Contractor shall not stack building material / malba / muck on the land or road of the local development authority or on the land owned by the others. The site of work shall be always kept clean. The Contractor shall take all care to prevent any water-logging at site. The wastewater, slush etc. shall not be allowed to be collected at site. It may be directly pumped out to public drainage system with the prior approval of the concerned authorities at his cost. The work shall be carried out in such a way that the entire area is kept clean and tidy.

60.0 SECURITY & TRAFFIC ARRANGEMENTS

i) In event of any restriction being imposed by the Department, traffic or any other statutory authority having control over the project, on the working or movement of Labour, materials, etc., the Contractor shall strictly follow all such restrictions or instructions issued regarding the same and nothing extra shall be payable to the Contractor on account of such restrictions or instructions. No delay or claims of any kind shall be entertained from the Contractor on this account.

ii) The Contractor shall be wholly responsible for security of site and works. The Contractor shall not permit entry of any unauthorized persons in the Site; and entry shall be limited to the Employees of the Contractor, Sub Contractor or persons authorized by the APMCF/SBI

iv) Lighting: The contractor shall provide sufficient lighting at project site, during periods of insufficient natural light, if required.

61.0 PHOTOGRAPHY & VIDEOGRAPHY DOCUMENTATION (TO BE DONE PROFESSIONAL AGENCY ONLY):

The Contractor shall undertake and carry out documenting the total sequences of this project by way of photography, slides, video recording (including drone recording after due approval from Local Authorities if required) etc. at his cost. The original photographs & videos shall be the property of the SBI. No copy shall be prepared by the contractor without prior approval of the APMCF/SBI. The RCC & RMC works for sub-structure & super-structure has to be photographed & video graphed for every slab level as well as foundation work, for each important activities like Concreting, Reinforcement laying, Cube Casting etc. In other cases, the photography shall be taken at minimum of 2 weeks interval and videography at a minimum of 4 weeks interval. The said soft copies shall be shared by pen drive and also be stored in Hard disc of requisite capacity at site. The positive of photographs in 4" x 6" size should be sequentially documented in album. All should be kept securely at site/ SBI office.

62.0 CONDITIONS WHERE REINFORCEMENT STEEL TO BE PROCURED BY CONTRACTOR

i) The agency shall procure steel reinforcement as per the approved list of makes given in this document and directions given by SBI from time to time.

- ii) The contractor shall have to obtain and furnish test certificates to the APMCF /SBI in respect of all supplies of steel brought by him to the site of work.
- iv) Samples shall also be taken and got tested by the APMCF /SBI as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer- in-Charge/SBI to do so.
- v) The steel reinforcement bars shall be brought to the site in bulk supply of 10 tons or more, or as decided by the APMCF /SBI.
- vi) The steel reinforcement brought on site shall be of straight bars only and no bent bars are allowed on site and nothing extra shall be paid to Contractor on account of this .
- Vii) The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent their distortion and corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
- Viii) For checking nominal mass, tensile strength, bend test & re-bend test etc. specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than the specified below:

Size of bar	For consignment below 100Tones	For consignment above 100 tons
Under 10 mm diabars	One sample for each 25 tons or part thereof	One sample for each 40 tons or part thereof
10 mm to 16 mm diabars	One sample for each 35 tons or part thereof	One sample for each 45tonnes or part thereof
Over 16 mm dia bars	One sample for each 45 tons or part thereof	One sample for each 50 tons or part thereof

- ix) The contractor shall supply free of charge the required steel bars for including its transportation to testing laboratories. **The cost of tests shall be borne by the contractor.**
- x) The actual issue and consumption of steel on work shall be regulated The theoretical consumption of steel shall be worked out as per procedure prescribed in Tender document, General Conditions of the contract shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations leading to under designing of the structure, the work shall be summarily rejected, otherwise recovery at rate so

prescribed shall be made after ensuring structural soundness and stability. In case of excess consumption, no adjustment needs to be made.

xi) Steel brought to site and remaining unused shall not be removed from site without the written permission of APMCF /SBI.

Xii) The standard sectional weights referred to shall be as given in Table 5.4 in para 5.3.4 in CPWD Specification 2019 Vol.-I and will be considered for conversion of length of various sizes of TMT Bars into standard weight. Record of actual sectional weights shall also be kept dia And lot wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The decision of the APMCF /SBI shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of various sizes of bars based on the actual weighted average sectional weight shall be terms as Derived Actual Weight.

Xiii) If the derived weight is less than the standard weight, then the Derived Actual Weight shall be accepted if it is within the following tolerances specified in IS:1786-2008, otherwise whole lot will be rejected. However, deductions shall be made for the difference in derived actual weight and standard weight at the rate mentioned in clause 10CA for TMT reinforcement bars.

TOLERANCES ON NOMINAL MASS

Nominal Size in mm		Tolerance on Batch	Nominal Mass per Individual sample*	Individual sample for coil**
a)	Up to and including 10	± 7	-8	± 8
b)	Over 10 up to and i/c 16	± 5	-6	± 6
c)	Over 16	± 3	-4	± 4

* For individual sample plus tolerance is not specified.

**For coils batch tolerance is not specified.

Xiv) If the derived actual weight is found more than the standard weight, then nothing shall be paid extra for the difference in derived actual weight and standard weight.

xv) The contractor shall submit original vouchers from the manufacturer for the total quantity of steel supplied under each consignment to be used in the work. All consignment received at the work site shall be inspected by the Site staff along with the relevant documents before acceptance. The contractor shall obtain Original Vouchers and Test Certificates and furnish the same to the Engineer- in-Charge of APMCF /SBI in respect of all the lots of steel brought by him from

approved supplier to the site of work. The original vouchers and test certificates shall be checked/countersigned by the Site staff appointed by APMCF/SBI and kept on record in the site office.

63. CONDITIONS WHERE CEMENT IS TO BE PROCURED BY THE CONTRACTOR

- i) Cement required for the work shall be procured by the contractor.
- ii) The contractor shall procure PPC conforming to IS: 1489(Part-I) / OPC (grade 43/53) conforming to IS:8112 as per list of Preferred Makes for Civil Works. All concrete work shall be carried out as per approved design mix by SBI /APMCF. For Plastering and Waterproofing works Contractor can use PPC cement as given approved list of makes.
- iii) The Supply of cement shall be taken in 50 kg bags/Bulkers bearing manufacturer's name, or his registered trademarks if any and grade and type of cement as well as ISI marking. The packing of the cement bags shall be as per CPWD Specifications 2019 with correction slips up to last date of submission of bid. Samples of cement arranged by the contractor shall be taken by the APMCF /SBI and got tested in accordance with provisions of relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected, and it shall be removed from the site by the contractor at his own cost within a week's time of written order from the APMCF /SBI to do so.
- iv) The cement shall be brought at site in bulk supply of approximately 20 tons or more as decided by the APMCF /SBI.
- v) At least 1 no. cement godown of the capacity to store a minimum of 500 bags of cement shall be constructed by the contractor at site for which no extra payment shall be made
- vi) The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the APMCF /SBI at any time.
- Vii) The cement shall be got tested by the Contractor and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of cost the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the contractor.
- Viii) The actual issue and consumption of cement on work shall be regulated and proper accounts maintained. The theoretical consumption of cement shall be worked out as per standard consumption mentioned in Tender /CPWD manual and shall be governed by conditions laid there in. In case the cement consumption is less than theoretical consumption including permissible variation, work shall be liable to be rejected. In case of excess consumption, no adjustment needs to be made.
- ix) The cement brought to the site and the cement remaining unused after completion of the work shall not be removed from site without the written permission of the APMCF /SBI.

x) The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in- Charge of APMCF. If he does not do so within 3 days of receipt of such notice, the Engineer- in- Charge of APMCF shall get it removed at the cost of the contractor.

66.0 CONDITIONS SPECIFIC TO GREEN BUILDING PRACTICE/ENVIRONMENTAL CLEARANCE

It is envisaged to fulfill Environmental Clearance conditions of for various buildings to be constructed under this contract. The contractor shall strictly adhere to the following conditions as part of his contractual obligation.

i) The Contractor should follow the construction plan as proposed by the Architect /APMCF /SBI to minimize the site disturbance such as soil pollution due to spilling. Use staging and spill prevention and control plan to restrict the spilling of the contaminating materials at site. Protect topsoil from erosion by collection storage and reapplication of top soil, constructing sediment basin, contour trenching, mulching etc.

ii) No excavated earth shall be removed from the campus unless suggested otherwise by APMCF /SBI. All subsoil shall be reused in backfilling/landscape, etc. as per the instructions of the APMCF /SBI. The surplus excavated earth shall be disposed of by the contractor for reuse. A certificate of reuse as required by the APMCF /SBI shall be submitted by the contractor.

lii) The contractor shall not change the natural gradient of the ground unless specifically instructed by the APMCF /SBI. This shall cover all-natural features like water bodies, drainage gullies, slopes, mounds, depressions, etc. Existing drainage patterns through or into any preservation area shall not be modified unless specifically directed by the APMCF /SBI.

iv) The contractor shall not carry out any work which results in the blockage of natural drainage.

v) The contractor shall ensure that existing grades of soil shall be maintained around existing vegetation and lowering or raising the levels around the vegetation is not allowed unless specifically directed by the APMCF /SBI.

vi) Contractor shall reduce pollution and land development impacts from automobiles used during construction.

Vii) Overloading of trucks is unlawful and creates the erosion and sedimentation problems, especially when loose materials like stone dust, excavated earth, sand etc. are moved. Proper covering must take place. No overloading shall be permitted.

Viii) Preserve and Protect Landscape during Construction

ix) The contractor shall ensure that no trees, existing or otherwise, shall be harmed and damage to roots should be prevented during trenching, placing backfill, driving or parking heavy equipment, dumping of trash, oil, paint, and other materials detrimental to plant health. These activities should be restricted to the areas outside

of the canopy of the tree, or, from a safe distance from the tree/plant by means of barricading. Trees will not be used for support; their trunk shall not be damaged by cutting and carving or by nailing posters, advertisements or other material. Lighting of fires or carrying out heat or gas emitting construction activity within the ground, covered by canopy of the tree is not to be permitted.

x) The contractor shall take steps to protect trees or saplings identified for preservation within the construction.

xi) Contractor should limit all construction activity within the specified area as per the Construction Management Plan (CMP) approved by APMCF /SBI.

Xii) The contractor shall avoid cut and fill in the root zones, through delineating and fencing the drip line (the spread limit of a canopy projected on the ground) of all the trees or group of trees. Separate the zones of movement of heavy equipment, parking, or excessive foot traffic from the fenced plant protection zones.

Xiii) The contractor shall ensure that maintenance activities during construction period shall be performed as needed to ensure that the vegetation remains healthy.

Xiv) The permission for cutting of trees and / or Transplanting of the tree shall be obtained by the Contractor from statutory Authority/Local Authorities or any other authority of the State Government, and execution of cutting and transplanting the trees or any other action in this regard will be taken by the contractor for which provision is already available in amount quoted by the contractor. No extra payment will be made on this ground.

xv) Contractor shall collect all construction waste generated on site. Segregate these wastes based on their utility and examine means of sending such waste to manufacturing units which use them as raw material or other site which require it for specific purpose. Typical construction debris could be broken bricks, steel bars, broken tiles, spilled concrete and mortar etc.

xvi) The contractor shall provide potable water for all workers.

xvii) The contractor shall provide the minimum level of sanitation and safety facilities for the workers at site. The contractor shall ensure cleanliness of workplace with regard to the disposal of waste and effluent; provide clean drinking water and latrines and urinals as per applicable standard. Adequate toilet facilities shall be provided for the workman within easy access of their place of work. The total no. to be provided shall not be less than 1 per 30 employees in any one shift. Toilet facilities shall be provided from the start of building operations, connection to a sewer shall be made as soon as practicable. Every toilet shall be so constructed that the occupant is sheltered from view and protected from the weather and falling objects. Toilet facilities shall be maintained in a sanitary condition. A sufficient quantity of disinfectant shall be provided. Natural or artificial illumination shall be provided.

Xviii) The contractor shall ensure that air pollution due to dust/generators is kept to a minimum, preventing any adverse effects on the workers and other people in and

around the site. The contractor shall ensure proper screening, covering stockpiles, covering brick and loads of dusty materials, wheel-washing facility, gravel pit, and water spraying. Contractor shall ensure the following activities to prevent air pollution during construction:

xix) Clear vegetation only from areas where work will start right away.

xx) Vegetate / mulch areas where vehicles do not ply.

Xxi) Apply gravel / landscaping rock to the areas where mulching /paving is impractical.

Xxii) Identify roads on-site that would be used for vehicular traffic. Upgrade vehicular roads (if these are unpaved) by increasing the surface strength by improving particle size, shape and mineral types that make up the surface & base. Add surface gravel to reduce source of dust emission. Limit amount of fine particles (smaller than 0.075mm) to 10 - 20%

xxiii) Water spray, through a simple hose for small projects, to keep dust under control. Fine mists should be used to control fine particulate. However, this should be done with care so as not to waste water. Heavy watering can also create mud, which when tracked onto paved public roadways, must be promptly removed. Also, there must be an adequate supply of clean water nearby to ensure that spray nozzles don't get plugged.

Xxiv) Water spraying shall be done on:

Any dusty materials before transferring, loading and unloading

Area where demolition work is being carried out
Any un-paved main haul road

xxv) Areas where excavation or earth moving activities are to be carried out The contractor shall ensure that the speed of vehicles within the site is limited to 10 km/hr.

Xxvi) All material storages should be adequately covered and contained so that they are not exposed to situations where winds on site could lead to dust / particulate emissions.

Xxvii) Spills of dirt or dusty materials will be cleaned up promptly so the spilled material does not become a source of fugitive dust and also to prevent of seepage of pollutant laden water into the ground aquifers. When cleaning up the spill, ensure that the clean-up process does not generate additional dust. Similarly, spilled concrete slurries or liquid wastes should be contained / cleaned up immediately before they can infiltrate into the soil / ground or runoff in nearby areas

xxviii) Provide hoardings of not less than 3m high along the site boundary, next to a road or other public area

xxix) Provide dust screens, sheeting or netting to scaffold along the perimeter of the building

xxx) Cover stockpiles of dusty material with impervious sheeting

xxxi) Cover dusty load on vehicles by impervious sheeting before they leave the site

xxxii) The contractor shall ensure that no construction leachate (e.g., cement slurry etc.), is allowed to percolate into the ground. Adequate precautions are to be taken to safeguard against this including, reduction of wasteful curing processes, collection, basic filtering and reuse. The contractor shall follow requisite measures for collecting drainage water run-off from construction areas and material storage sites and diverting water flow away from such polluted areas. Temporary drainage channels, perimeter dike/swale, etc. shall be constructed to carry the pollutant-laden water directly to the treatment device or facility (municipal sewer line).

Xxxiii) The storage of material shall be as per standard good practices as specified in Storage, Stacking and Handling practices, NBC 2016 shall be to the satisfaction of the APMCF /SBI to ensure minimum wastage and to prevent any misuse, damage, inconvenience or accident. Watch and ward of the Contractor is materials shall be his own responsibility. There should be a proper planning of the layout for stacking and storage of different materials, components and equipment with proper access and proper maneuverability of the vehicles carrying the materials. While planning the layout, the requirements of various materials, components and equipment at different stages of construction shall be considered.

Xxxiv) The contractor shall ensure the following activities for construction workers safety, among other measures:

Guarding all parts of dangerous machinery.

Precautionary signs for working on machinery

Maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition.

Durable and reusable form work systems to replace timber form work and ensure that form work where used is properly maintained.

Ensuring that walking surfaces or boards and/or working platforms, etc. at height are of sound construction and are provided with safety rails or belts.

Provide protective equipment, helmets etc. -

Provide measures to prevent fires. Fire extinguishers and buckets of sand to be provided in the fire-prone area and elsewhere.

Provide sufficient and suitable light for working during nighttime

The contractor shall provide for adequate number of garbage bins around the construction site and the workers facilities and will be responsible for the proper utilization of these bins for any solid waste generated during the construction. The contractor shall ensure that the site and the workers facilities are kept litter free. Separate bins should be provided for plastic, glass, metal, biological and paper waste and labeled in both Hindi and English with suitable symbols.

The contractor shall prepare and submit spill prevention and control plans before the start of construction, clearly stating measures to stop the source of the spill, to contain the spill, to dispose the contaminated material and hazardous wastes, and stating designation of personnel trained to prevent and control spills. Hazardous wastes include pesticides, paints, cleaners, and petroleum products.

Contractor shall collect & submit the relevant material certificates for materials with high recycled (both post-industrial and post-consumer) content, including materials like RMC mix with fly-ash, glass with recycled content, calcium silicate boards etc.

The contractor shall ensure that a flush out of all internal spaces is conducted prior to handover. This shall comprise an opening of all doors and windows for 14 days to vent out any toxic fumes due to paints, varnishes, polishes, etc.

The providing & fixing Safety nets at various levels of Buildings as per instruction from APMCF /SBI. Safety Net shall be of Garware nylon Ropes made of three layers of (100 mm X 100 mm square with 8 mm thick nylon rope.), net with 2.5 mm nylon rope with 25mm x 25 mm square and mono filament net on top having width of 5.0 mts. horizontal to the periphery of the Building with supporting structure of 50 mm dia MS hollow (40 nb) pipe duly anchored on slab/beam with 10 mm thick base plate and anchor fastener (hilti) 4 Nos. at all corners, and free end of pipe to be tied up with upper floor column with the help of nylon rope 16 mm dia. same supporting system is to be followed for every 4.5 Mtr. in such a way to have a proper slope during Construction and removing and re fixing part of the same as and when required/ necessary for smooth progress of the work.

Contractor shall collect the relevant material certificates for rapidly renewable materials such as bamboo, wool, cotton insulation, agri fiber, linoleum, wheat board, strawboard and cork etc.

Contractor shall adopt an IAQ (Indoor Air Quality) management plan to protect the HVAC system during construction, control pollutant sources, and interrupt pathways for contamination. He shall sequence installation of materials to avoid contamination of absorptive materials such as insulation, carpeting, ceiling tile, and gypsum wallboard. He shall also protect stored on-site or installed absorptive materials from moisture damage.

The contractor shall ensure that a flush out of all internal spaces is conducted prior to handover. This shall comprise an opening of all doors and windows for 14 days to vent out any toxic fumes due to paints, varnishes, polishes, etc.

Contractor shall make efforts to reduce the quantity of indoor air contaminants that are odorous or potentially irritating harmful to the comfort and well-being of installer and building occupants. Contractor shall ensure that the VOC (Volatile Organic Compounds) content of paints, coatings and primers used must not exceed the VOC content limits mentioned below: Paints: Non-flat - 150 g/L Flat (Mat) - 50 g/L Anti-corrosive/ anti rust - 250 g/L Coatings / Clear wood finishes: Varnish - 350 g/L Lacquer - 550 g/L Floor coatings - 100 g/L Stains - 250 g/L Sealers: Waterproofing sealer - 250 g/L Sanding sealer - 275 g/L Other sealers – 200 g/L The VOC

(Volatile Organic Compounds) content of adhesives and sealants used must be less than VOC content limits mentioned : Architectural Applications VOC Limit (g/l less water) Indoor Carpet adhesives - 50 g/L Carpet Pad Adhesives - 50 g/L Wood Flooring Adhesive - 100 g/L Rubber Floor Adhesives - 60 g/L Sub Floor Adhesives - 50 g/L Ceramic Tile Adhesives - 65 g/L VCT and Asphalt Tile adhesives - 50 g/L Dry Wall and Panel Adhesives - 50 g/L Structural Glazing Adhesives - 100 g/L Multipurpose Construction Adhesives - 70 g/L Substrate Specific Application VOC Limit (g/l less water) Metal to Metal - 30 g/L Plastic Foams - 50 g/L Porous material (except wood) - 50 g/L Wood - 30 g/L Fiber Glass - 80 g/L

Wherever required, Contractor shall meet and carry out documentation of all activities on site, supplementation of information, and submittals in accordance with IGBC LEED India New Construction v3.0 (or latest amendment) or GRIHA program standards and guidelines. Towards meeting the aforementioned building environmental rating standard(s) expert assistance shall be provided to him up on request

No extra payment shall be done against all such safety measures.

64.0) WATER USE DURING CONSTRUCTION

I) Contractor should spray curing water on concrete structure and shall not allow free flow of water. Concrete structures should be kept covered with thick cloth/gunny bags and water should be sprayed on them. Contractor shall do water poundings on all sunken slabs using cement and sand mortar.

65.0) RESOURCES CONSUMED DURING CONSTRUCTION

I) The contractor shall ensure that the water and electricity is not wasted during construction. The APMCF /SBI can bring to the attention any such wastage and the contractor will have to ensure that such bad practices are corrected.

ii) The contractor shall install necessary meters and measuring devices to record the consumption of water, electricity and diesel on a monthly basis for the entire tenure of the project.

lii) The contractor shall ensure that all run-off water from the site, during construction is collected and reused to the maximum.

iv) The contractor shall use treated recycled water of appropriate quality standards for construction, if available.

v) The contractor shall minimize the use of electricity.

66.0) CONSTRUCTION AND DEMOLITION WASTE

I) Contractor shall minimize the generation of construction waste as per the requirement for Environmental Clearance Perspective.

ii) All construction debris generated during construction shall be carefully segregated and stored in a demarcated waste yard. Clear, identifiable areas shall be provided for each waste type. Employ measures to segregate the waste on site

into inert, chemical, or hazardous wastes.

iii) No construction debris shall be taken away from the site, without the prior approval of the APMCF /SBI.

iv) The contractor shall recycle the unused chemical/hazardous wastes such as oil, paint, batteries, and asbestos.

v) If and when construction debris is taken out of the site, after prior permissions from the APMCF /SBI, then the contractor shall ensure the safe disposal of all wastes and will only dispose of any such construction waste in approved dumping sites.

67) DOCUMENTATION

i) The contractor shall, during the entire period of the construction, submit the following records to the APMCF /SBI on a monthly basis:

ii) Water consumption in liters

iii) Electricity consumption in 'kwh' units

iv) Diesel consumption in liters

v) Quantum of waste (volumetric/weight basis) generated at site and these segregated waste. types divided into inert, chemical and hazardous wastes

vi) Digital photo documentation to demonstrate compliance of safety guidelines as specified in the tender The contractor shall, during the entire tenure of the construction phase, submit the following records to the APMCF /SBI on a fortnightly basis:

vii) Quantities of material brought into the site, including the material issued to the contractor by the APMCF /SBI.

Viii) Quantities of construction debris (if at all) taken out of the site

ix) Digital photographs of the works at site, the workers facilities, the waste and other material storage yards, pre-fabrication and block making works, etc. as guided by the APMCF /SBI

x) The contractor shall submit a document after construction of the buildings, a brief description along with photographic records to show that other areas have not been disturbed during construction. The document should also include brief explanation and photographic records to show erosion and sedimentation control measures adopted. (Document CAD drawing showing site plan details of existing vegetation, existing buildings, existing slopes and site drainage pattern, staging and spill prevention measures, erosion and sedimentation control measures and measures adopted for topsoil preservation during construction.

xi) The contractor shall submit to the APMCF /SBI after construction of the buildings, a detailed as built quantification of the following:

1) Materials used,

- 2) Total topsoil stacked and total reused
- 3) Total earth excavated
- 4) Total waste generated,
- 5) Total waste reused,
- 6) Total water used,
- 7) Total electricity, and
- 8) Total diesel consumed.

Xii) The contractor shall submit to the APMCF /SBI, before the start of construction, a site plan along with a narrative to demarcate areas on site from which topsoil has to be gathered, designate area where it will be stored, measures adopted for topsoil preservation and indicate areas where it will be reapplied after construction is complete.

Xiii) The contractor shall submit to the APMCF /SBI, a detailed narrative (not more than 250 words) on provision for safe drinking water and sanitation facility for construction workers and site personnel.

Xiv) Provide supporting document from the manufacturer of the Batch mix/ Ready Mix concrete specifying the use of Fly Ash.

xv) Provide supporting document from the manufacturer of the pre-cast building blocks specifying the fly ash content of the blocks used in an infill wall system.

Xvi) Provide total support to APMCF /SBI and Environmental Consultants appointed by the APMCF /SBI in completing all Environmental clearance related formalities, including signing of forms, providing signed letters in the contractor's letterhead whenever required.

68.0 Warning / Caution Boards/Signage

i) All temporary warning / caution boards / glow signage display such as "Construction Work in Progress", "Keep Away", "No Parking", Diversions etc. shall be provided and displayed by the Contractor, wherever required and as directed by the APMCF /SBI. All signage shall be suitably illuminated during night also. The Contractor shall be solely responsible for damage and accident caused, if any, due to negligence on his part. Also, he shall ensure that no hindrance, as far as possible, is caused to general traffic during execution of the work.

ii) In addition, the Contractor shall also provide a sign board of approved size, design & pattern at an approved location giving the details of the project, client / SBI, architects, structural consultants, Department etc. besides providing space for names of Contractor/Sub- Contractors.

lii) All signage shall be dismantled & taken away by the Contractor after completion of the work with the approval of the Engineer – in – Charge of APMCF.

72.0 CONDITIONS OF NATIONAL GREEN TRIBUNAL

i) The contractor shall not store/ dump construction material or debris on the metaled road.

ii) The contractor shall get prior approval from APMCF /SBI for the area where the construction material or debris can be stored beyond the metaled road. This area shall not cause any obstruction to the free flow of traffic /inconvenience to the pedestrians/public in general. It should be ensured by the contractor that no accidents occur because of such permissible storage.

lii) The contractor shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/area to ensure that no construction material dust fly outside the plot area.

iv) The contractor shall ensure that all the trucks or vehicles of any kind which are used for construction purposes/or are carrying construction material like cement, sand, earth and other allied material are fully covered. The contractor shall take every necessary precaution that the vehicles are properly cleaned and dust free to ensure that enroute their destination, the dust, sand or any other particles are not released in air/contaminate air.

v) The contractor shall provide mask to every worker on the construction site and involved in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.

vi) The contractor shall provide all medical help, investigation and treatment to the workers involved in the construction of building and carry off construction material and debris relating to dust emission.

Vii) The contractor shall ensure that C&D waste is transported to the C&D waste site only and due records shall be maintained by the contractor

viii) The contractor shall compulsorily use wet jet in grinding and stone cutting.

ix) The contractor shall comply with all the preventive and protective environmental steps as stated in the MoEF guidelines, 2010.

x) The contractor shall carry out on-Road-Inspection for black smoke generating machinery. The contractor shall use cleaner fuel.

xi) The contractor shall ensure that all DG set comply emission norms notified by MoEF/Respective Department.

Xii) The contractor shall use vehicles having pollution under control certificate. The emissions can be reduced by a large extent by reducing the speed of a vehicle to 20 Kmph. Speed bumps shall be used to ensure speed reduction. In case where speed reductions cannot effectively reduce fugitive dust, the contractor shall divert traffic to nearby paved areas.

Xii) The contractor shall ensure that the construction material is covered by tarpaulin. The contractor shall take all other precaution to ensure that no dust particles are permitted to pollute air quality because of such storage.

Xiii) The paving of the path for plying of vehicles carrying construction material is

more permanent solution to dust control and suitable for longer duration projects.

Xiv) Any violation of orders of MoEF including guidelines of State Government, SPCB or any officer of any department shall lead to stoppage of work for which Contractor shall be responsible and no hindrance shall be accounted in this regard.

xv) The contractor shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/area using CGI sheets or plastic and/or other similar material to ensure that no construction material dust fly outside plot area.

73.0 Make in India Policy

i) The main contractor as well as associate contractor of each disciplines shall comply to Government of India Public Procurement (Preference to Make in India), Order-2017 amended up to last date of submission of bid.

69.0 Training and Awareness:

I) Training:

The training shall be in two phases – first induction training and then periodic training / refresher workshop.

Induction Training: All the workers shall have to undergo a training program of 16 hrs (8 hrs for 2 days) and to be declared satisfactorily trained by the Safety Manager before they are allowed to work on site.

ii) Orientation Program:

An orientation program shall be arranged for all people (other than workers) who normally work at or visit the site.

iii) Workshops:

Refresher workshops shall be arranged in every three months for all the workers on site.

iv) Advance Training:

For workers involved in high-risk activities (to be identified by the APMCF) an intensive training shall be kept once in a month. The training modules shall be designed by the Safety Manager and approved by the APMCF Methodology: The training methodology shall include both classroom and practical demonstration with audio visual techniques. For greater impact, demonstration with dummies will be done to highlight hazards of not following safe practices.

The training shall be imparted in vernacular language and may include means such as songs, theatre, puppetry etc. for better appreciation and assimilation by workers.

v) Implementation:

The basic responsibility of implementation of safe practices shall be that of the safety manager and safety supervisors of the contractor at the first level and project

team APMCF on second level. The basic approach of implementation should be towards voluntary acceptability of safe practices by all stakeholders.

The safety arrangement made by the contractor shall be open to inspection by the safety officer or any other representative appointed by the APMCF and the observation made by him shall be complied with by the contractor.

All workmen are checked for their suitability before development by the respective Safety Manager and each Safety Supervisor. Workers physical fitness knowledge about the activity and his previous experience are checked before deployed. Workmen involved in physical activity (such as driver, operators, Height workers, Food handlers at Canteen and Pantries, welders) shall be subjected to pre-employment medical check-up, those who do not clear the medical examination shall not be employed.

Adequate number of safety equipment and personals protective equipment (PPE) as per Indian Standards will be planned and procured.

Recommendations as per following table/Matrix should be followed:

ACTIVITY	WORKMEN CATEGORY	PPE- RECOMMENDED
General – Entry into work premises	All Employees	Safety Helmet, Safety Shoes & Reflective Jacket
Signaling	Security/marshal	Reflective Jacket
Working at Height – More than 1.8 meters	All	Full body harness Double lanyard
Involved with cement & Concrete Handling	All	Gum Boots & Rubber Hand Gloves
Breaking of ceramics & Agglomerate Materials	Chippers	Eye protection–Clear Goggles
Welding & Gas Cutting	Welders & Cutters	Leather gloves, Safety shoe, Welding Shield with proper number
Working with slush	Unskilled & Excavation gang	Gumboots
Forming and Making shuttering materials	Carpenters and Woodworkers	Face shield & Nose Mask
Rebar's handling & Working	Bar benders	Cotton hand Gloves
Scaffolding	Scaffolders	Cotton hand gloves
Painting	Painters	Clear, Goggles, Nose mask

DG Operators & Other Noise prone areas	Operators	Ear Muff, Rubber Hand Gloves (Electrical Grade)
Electrical Maintenance & Repairs	Electricians	HV Rubber hand gloves
Concrete Batching Plant	Operators & Loaders	Nose Mask

vi) Color Coding of Helmets:

Grey	All Staff of Contractor/other Respective Person
Green	Safety Inspectors
Red	Electricians & Signal men
Blue	Supervisors
Yellow	Workmen
Orange	New Workmen (for one month)
Purple	Visitor
White	SBI/client

Vii) Enforcement:

The safety team of the contractor and project team of APMCF are entrusted with enforcement of safe practices. If safety program is not followed (as assessed by either APMCF) then recovery as below shall be made:

If the contractor does not employ and / or submit the names of Safety Manager and Safety Supervisors of specified numbers with appropriate qualification and or experience then a recovery of Rs. 2000 per day and Rs. 1000 per day shall be affected for Safety Manager and Safety Supervisor respectively.

Contractor will ensure that no person shall be allowed to enter the demarcated area without adequate safety gadgets (as per occupation / purpose of visit).

Inside the work area it is the responsibility of the contractor to make sure all person will follow the safety instructions as per agreement.

In case of default from workers their employer (hiring agency) will have to pay a penalty of Rs 100 per offense.

These fines will be collected into workers welfare fund. Money thus collected will be utilized for supporting welfare programmes for workers and their families.

A display board shall be kept at site which would list the names of workers / teams and agencies following safety program in the best manner. This would be updated weekly.

During training and workshops, the names of persons / teams / agencies that are best following safety program shall be announced and they shall be felicitated.

On completion of the work, shields for best person / team / agencies following safety program in different categories shall be awarded.

A biometric system/record of attendance will be put in place by the Contractor as per the direction of Engineer- in-Charge of APMCF and the Safety Manager and all the Safety Supervisors will record their presence in the system. Recovery as suggested will be made for failure to record such presence / non availability of safety personals.

In case of an accident resulting in death / permanent disability of a worker, a recovery of Rs. 10 Lakh per death / permanent disability will be made for the contract values more than Rs. 20 crores. The recovery for the contracts less than Rs. 20 crores shall be @ 0.5% of the contract amount per death / permanent disability. The money so recovered will be kept in the "Workers Welfare Fund" and will be at the sole discretion of the APMCF/SBI for utilizing to support the welfare programs of the workers.

This recovery shall be in addition to recovery (recoveries) or compensation under any other Statute / Act / Provision of Contract. However, the total recovery on this account shall not exceed 2% of the contract value.

70.0 Standard Operating Procedures (SOPs) and Guidelines for Construction Sites for COVID-19 Outbreak/Similar Such Situations

i) The agency shall follow all the COVID 19/Any Epidemic protocols enforced by state / central Government/ statutory Authority etc. from time to time and the guidelines issued by SBI from time to time as per directions of the APMCF /SBI and nothing extra payable on this account.

ii) The Agency/contractor shall install inspection lifts of minimum 8–10-person capacity for inspection of officers. Each tower should have independent inspection lift. Agency shall ensure they are in safe working conditions throughout the execution period and safety of the persons.

71.0 PRODUCT DELIVERY, STORAGE AND HANDLING OF CHEMICALS

i) The contractor shall construct storage space for Chemicals materials to ensure that the storage conditions are as recommended by the manufactures.

ii) All the materials shall be procured and delivered in sealed containers with labels legible and intact.

lii) All the chemicals (polymers, epoxy, water proofing compound, plasticizer, Polysulphide, SBR based elastomeric, APP (Atactic iv) Polypropylene Polymer), all exterior and interior paints, polish etc.) shall be procured in convenient packs say 20 liters/kg} capacity packing only or as approved by the APMCF /SBI, and not in bigger capacity containers, say 200-liter (kg) drums unless otherwise specifically permitted by the APMCF /SBI. One sample from each lot of the chemical procured by the contractor shall be tested in a laboratory as approved by the APMCF /SBI.

v) All material required for the execution of the work shall be got approved, procured and deposited with the Departmental supervisory staff. The materials shall be kept in joint custody of the contractor and the Department. The watch and ward of such material shall, however, remain to be the responsibility of the contractor and no claim, whatsoever, on this account shall be entertained. Different containers of each chemical shall be serially numbered on packing and also consumed in that order. Day-to-day account of receipt, issue and balance shall be regulated by the Department and proper account shall be maintained at site of work in the prescribed form as per the standard practice.

vi) All the chemicals shall be procured by the contractor directly from the manufacturer. In exceptional circumstances, the contractor may be allowed to procure the materials from the authorized dealers of the manufacturers, if specifically permitted by the APMCF /SBI.

Vii) The original copies of challan /cash memos towards the quantity of various chemicals procured shall be made available by the contractor at the request from the APMCF /SBI and a copy of the same shall be kept in record.

Viii) The Name of manufacturers, manufacturer's product identification, manufacturer's mixing instructions, warning for handling and toxicity and date of manufacturing and shelf life shall be clearly and legibly mentioned on the labels of each container.

ix) The contractor shall submit for the chemicals procured, manufacturer's and / or authorized dealer's certificate regarding supplying and verifying conformance to the material specifications, as specified.

x) All filled containers shall be handled in safe manner and in a way to avoid breaking container seals.

xi) Empty containers of the chemicals should not be removed from site till the completion of work and shall be removed only with the written approval of the APMCF /SBI.

Xii) All arrangements for measuring, dosing and mixing of material / chemicals at site have to be made by the contractor.

Xiii) Contractor shall suitably advise his site Engineer and all the workers as regards safe handling of chemicals. Necessary protective and safety equipment in form of hand gloves, goggles etc. shall be provided by the contractor and be also used at site.

Xiv) All incidental charges of any kind including cartage, storage and wastage and safe custody of material etc. shall be borne by the contractor and no claim, whatsoever, shall be entertained on this account.

xv) The chemicals shall be tested in an independent laboratory as approved by the APMCF /SBI at the frequency as specified. If required, more samples may have to be tested as per the directions of the Engineer-in- Charge of APMCF. Nothing extra shall be payable on this account.

72.0 ESCALATION

The rate quoted shall be firm throughout the tenure of the contract (inclusive of extension of time if any granted) and will not be subject to any fluctuation due to increase in cost of materials, labour, taxes, octroi, transportation on work contract unless specifically provided in these documents

73.0 LABOUR CAMP/LABOUR MOVEMENTS

i) The said work is to be carried out within the allotted Plot and very rare place is available for Labour Camp. Contractor shall take a note of this while quoting the rates.

ii) Contractor needs to allot space to labour camp outside allotted plot at no extra cost to SBI. Daily to and fro movement of the labour shall be carried out at no extra cost to SBI. Required Approval from local governing Authority for labour camp shall be taken by the

Contractor of such labour camp.

lii) In & Out timing of as per shifts to be fixed for Labourers and within that time labour movement to be carried out. In other time no movement of labours shall be permitted except the special permission from the APMCF /SBI.

iv) As this project comes under premises of Authority, utmost care shall be taken to avoid nuisance to occupants from labourers, material/machinery movement. If it is found that some labours are creating nuisance then those labourers shall be removed off the site immediately.

v) Movement of labourers shall be carried out as per norms by the Authority.

74.0 SITE STAFF to be deployed at Site by the Contractor :

Requirement of Technical Representative(s) :					
Sr. No.	Qualification	Requirement of Technical Staff			
				Minimum Experience (Years)	Designation of Technical Staff
1	Graduate Engineer	1		15 (and having experience of one similar nature of work)	Project Manager with degree in Civil Of Engineering
2	Graduate Engineer/Diploma	1		10year for degree or 15 year for diploma (and having experience of one similar nature of work)	Asst. Project in charge in Civil Engineering
3	Graduate Engineer/Diploma	1		5year for degree or 10 year for diploma in civil engineering	SiteEngineer
4	Graduate Engineer	2		5	QA/QC Engineer
6	Graduate Engineer/diploma	1		5year for degree or 10 year for diploma	Billing Engineer
7	Graduate / Diploma Engineer	1		3year for degree or 5 year for diploma	Safety Engineer/ Manager

8	Graduate / Diploma Engineer	1	3 or 5 respectively and Certificate	PHE Services
9	Graduate / Diploma Engineer	2	3 or 5 respectively and Certificate	1 Electrical and 1 Fire Fighting Services

Note:-

1. Above mentioned staff shall be deployed at site during the currency of Contract. However, Project cum Planning Engineer, QA/QC Engineer and Safety Manager/Engineer has to be compulsorily at site throughout the duration of work.
2. The above designated persons should perform their duties and responsibilities with respect to their functional areas as per sound Engineering Practices and with highest professional standards as defined and practiced in Building Construction Industry.

75.0 Provision of Independent External Monitors (IEM) :

- The Particulars of IEMs appointed by CVC are given below

1	Shri Satyajit Mohanty	Smt. Rashmi Verma
	satyajitmohanty88@gmail.com	verma.rashmi@rediffmail.com

76.00 Provision of Special Safety Features during execution

i) The providing & fixing Safety nets at various levels of Buildings as per instruction from APMCF /SBI. Safety Net shall be of Garware nylon Ropes made of three layers of (100 mm X 100 mm square with 8 mm thick nylon rope.), net with 2.5 mm nylon rope with 25mm x 25 mm square and mono filament net on top having width of 5.0 mts. horizontal to the periphery of the Building with supporting structure of 50 mm dia MS hollow (40 nb) pipe duly anchored on slab/beam with 10 mm thick base plate and anchor fastener (hilt) 4 Nos. at all corners, and free end of pipe to be tied up with upper floor column with the help of nylon rope 16 mm dia. same supporting system is to be followed for every 4.5 Mtr. in such a way to have a proper slope during Construction and removing and re fixing part of the same as and when required/ necessary for smooth progress of the work. This total provision shall be provided at every third floor of all the 3 Towers.

ii) MS/Doka Safety Platforms/Or its equivalent:- MS/Doka Safety Platforms/Or its equivalent with side railing shall be erected throughout the periphery of Proposed Buildings while doing exterior works at heights. Platform shall be per per manufacturer's specifications and suitable for Conventional method of construction (RCC+Brickwork) with necessary brackets, Supporting system, fasteners, ms Plates etc. The stability and load-bearing capacity of all components and units must be checked and design to be done accordingly during all phases of the construction work. Strict attention to and compliance with the functional instructions, safety instructions and load specifications are required to be followed by the contractor while installation and during Usage. Non-compliance can cause accidents and severe injury (risk of fatality) and considerable

damage to property. Contractor must give due consideration to any and all effects of the weather on the equipment and regards both its use and storage (e.g. slippery surfaces, risk of slipping, effects of the wind, etc.) and implement appropriate precautionary measures to secure the equipment and surrounding areas and to protect workers. All connections must be checked at regular intervals to ensure that they are secure and in full working order. In particular threaded connections and wedged connections have to be checked and retightened as necessary in accordance with activity on the job site and especially after out-of-the-ordinary occurrences (e.g. after a storm). Suitable skilled and experienced Safety Manager/Engineer shall ensure installation and usage throughout the duration of Project.

lii) No extra payment shall be done against these works and contractor shall take a note of this while quoting the rates.

77.0 SAFETY CODE

ANNEXURE-IX

SAFETY MEASURES AT SITE:

1. All personnel at site should be provided with Helmets and Safety Boots with some Identification Mark. Visitors also should be provided with Helmets. It should be ensured that these are used properly.
2. First Aid Box should be kept at site with all requisite materials.
3. No one should be allowed to inspect / work at a height without Safety Belt.
4. Suitable scaffolds should be provided for workmen for all Works that cannot safely be done from the ground, or from solid construction except such short period Work as can be done safely from ladders. When a ladder is used an extra Mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well as suitable footholds and handholds shall be provided on the ladder and the ladder shall be given an inclination not steeper than $\frac{1}{4}$ to 1 ($\frac{1}{4}$ horizontal and 1 vertical).
5. Scaffolding or staging more than 3.5 meters above the ground or floors, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached, bolted, braced and otherwise secured at least 1 Meter high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such openings as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
6. Working platforms, Gangways, and Stairways should be so constructed that they do not sag unduly or unequally, and if the height of the platform or the Gangway or the Stairway is more than 3-5 Meters above ground level or floor level they should be closely boarded, should have adequate width and should be suitably fenced, as described.

7. Every opening in the floor of a building or in a working platform be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be 1 Meter.
8. Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9 Meters in length while the width between side rails in rung ladder shall in no case be less than 30cms for ladder up to and including Meters in length. For longer ladders this width should be increased at least 6mm for each additional 30 cms. Uniform step spacing shall not exceed 30 cms.
9. Adequate precautions shall be taken to prevent danger from electrical equipment. For electrical online works gloves, rubber mats, and rubber shoes shall be used.
10. All trenches 1.2 Meters or more in depth shall at all times be supplied with at least one ladder for each 30 Meters length or fraction thereof. Ladder shall be extended from bottom of the trench to at least 1 Meter above the surface of the ground. The sides of the trenches, which are 1.5 Meters or more in depth shall be stepped back to give suitable slope, or securely held by timber bracing, so as to avoid the danger of sides collapsing. The excavated materials shall not be placed within 1.5 Meters of the edge of the trench or half of the depth of the trench whichever is more cuttings shall be done from top to bottom. Under no circumstances undermining or under cutting shall be done.
11. Before any demolition work is commenced and also during the process of the work :-
 - 11.1. All roads and open areas adjacent to the Work Site shall either be closed or suitably protected.
 - 11.2. No electrical cable or apparatus which is liable to be a source of danger over a cable or apparatus used by the operator shall remain electrically charged.
 - 11.3. All practical steps shall be taken to prevent danger to persons employed from risk or fire or explosion or flooding. No floor, roof or other part of the building shall be so over-loaded with debris or materials as to render it unsafe.
 - 11.4. All necessary personal safety equipment as considered adequate by the Site Engineer should be kept available for the use of the persons employed on the Site and maintained in a condition suitable for immediate use; and the Contractor should take adequate steps to ensure proper use of equipment by those concerned.
 - 11.5. Workers employed on mixing Asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
 - 11.6. Those engaged in whitewashing and mixing or stacking of cement bags or any materials which is injurious to the eyes shall be provided with protective goggles.

- 11.7. Those engaged in welding works shall be provided with Welder's protective eye-shields.
- 11.8. Stone breakers shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
- 11.9. When workers are employed in sewers and manholes, which are in use, the Contractor shall ensure that the manhole covers are opened and are ventilated at least for an hour before the workers are allowed to get into the manholes and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals and boards to prevent accident to the Public.
12. Use of hoisting machines and tackle including their attachments, anchorage and support shall conform to the following standard or conditions:-
- 12.1. These shall be of good mechanical construction, sound material and adequate strength and free from patent defect and shall be kept in good repairs and in good working order.
- 12.2. Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.
- 12.3. Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 years should be in-charge of any hoisting machine including any scaffold, winch or give signals to the operator.
- 12.4. In case of every hoisting machine and of every chain ring hook, shackle swivel and pulley block used in hoisting or lowering or as means of suspension the safe working load shall be ascertained by adequate means.
- 12.5. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load. In case of hoisting machine having a variable safe working load, each safe working load of the conditions under which it is applicable shall be clearly indicated. No part of any machine or of any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.
- 12.6. Motor, Gearing, Transmission, Electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards, hoisting appliances should be provided with such means as will reduce to the minimum the risk of accidental descent of the load, adequate precautions should be taken to reduce to the minimum the risk of any part of a suspended load becoming accidentally displaced.
- 12.7. When workers are employed on electrical installation, which are already energized, insulating mats, wearing apparel such as gloves, sleeves, and boots as may be necessary should be provided. The workers should not wear any rings, watches and carry keys or other materials, which are good conductors of electricity.

13. All scaffolds, ladders and other safety devices, mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities shall be provided at or near places of work.

78 Provision of BIS codes, CPWD Manuals, CPWD trade specific guidelines, Catalogues, etc. : Contractor has to arrange all the relevant BIS codes, CPWD Manuals, catalogues, technical details from manufactures, etc. as mentioned in the Technical bid & Price Bid and has to be kept at site till closure of the project.

79 Conditions specific to Project:

a) In response to the tenders invited by Bank/Architect, the CONTRACTOR have inspected the site and surroundings of the works specified in the tender documents and have before accepting the Contract, satisfied themselves by careful examination about the nature of the work and nature of the site and local conditions, quantities nature and magnitude of work, the availability of labour and material necessary for the execution of work, the means of access to work site, the supply of power and water thereto and the accommodation they may require and have made local and independent enquiries and obtained complete information as to the matters and things referred to, or implied in the Contract or having any connection therewith and have considered the nature and extent of all probable and possible situations, delays, hindrances, or interferences to or with the execution and completion of work to be carried out under the Contract being awarded hereunder and have examined and considered all other matters, conditions, and things and probable and possible contingencies thereto affecting the execution and completion of work and which might have influenced them in accepting the Contract.

b) The CONTRACTORS shall provide, execute and complete all the works mentioned in the CONTRACT and shall do and perform all other acts and things mentioned or described in the CONTRACT or which are to be implied there from or may be reasonably necessary for the completion of the said works and the times and in the manner and subject to the terms and conditions or stipulations mentioned in the CONTRACT.

c) It has been understood by the parties hereto that the Bank/Architect will have right to make reasonable changes in the drawings and designs during the progress of the construction works without prejudice to the CONTRACT. Notwithstanding anything to the contrary contained in any of the Annexure hereto the CONTRACTORS shall commence the work and shall complete the same as per stipulated date of Completion

d) The Contractors do hereby agree that the amount of liquidated damages specified in conditions of contract/ special conditions of contract represents a genuine and fair estimate of the loss likely to be suffered by the Bank in the event of the works not being completed in time.

e) It is specifically and distinctly understood and agreed between the Bank and the CONTRACTORS that the CONTRACTORS shall have no right, title or interest in the site made available by the Bank for the execution of the works or in the building, structures or works executed on the said site by the CONTRACTORS in the goods articles, materials etc. brought on the said site (unless the same specifically belongs to the CONTRACTORS) and the CONTRACTORS shall not have or deemed to have any lien or charge whatsoever for unpaid bills and it will not be entitled to assume or retain possession or control of the site or structure and the Bank shall have an absolute and unfettered right to take full possession of the site and to remove the CONTRACTORS, their servants, agents and materials belonging to the CONTRACTORS lying in the site.

f) The CONTRACTORS shall be allowed to enter upon the site for execution of the works only for the purpose of executing the contract work and shall not have any claim, right, title or interest in the site or the structures erected thereon and shall not enter upon at any time without assigning any reason.

g) The Contractor shall afford every reasonable facility for the carrying out of all works relating to civil works, installation of lifts, Telephone, electrical installations, fittings 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 his work.

h) The APMCF/SBI 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.

80. SAFETY CODE

SAFETY MEASURES AT SITE:

1. All personnel at site should be provided with Helmets and Safety Boots with some Identification Mark. Visitors also should be provided with Helmets. It should be ensured that these are used properly.
2. First Aid Box should be kept at site with all requisite materials.
3. No one should be allowed to inspect / work at a height without Safety Belt.
4. Suitable scaffolds should be provided for workmen for all Works that cannot safely be done from the ground, or from solid construction except such short period Work as can be done safely from ladders. When a ladder is used an extra Mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well as suitable footholds and handholds shall be provided on the ladder and the ladder shall be given an inclination not steeper than $\frac{1}{4}$ to 1 ($\frac{1}{4}$ horizontal and 1 vertical).
5. Scaffolding or staging more than 3.5 meters above the ground or floors, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached, bolted, braced and otherwise secured at least 1 Meter high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such openings as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
6. Working platforms, Gangways, and Stairways should be so constructed that they do not sag unduly or unequally, and if the height of the platform or the Gangway or the Stairway is more than 3-5 Meters above ground level or floor level they should be closely boarded, should have adequate width and should be suitably fenced, as described.

7. Every opening in the floor of a building or in a working platform be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be 1 Meter.
8. Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9 Meters in length while the width between side rails in rung ladder shall in no case be less than 30cms for ladder up to and including Meters in length. For longer ladders this width should be increased at least 6mm for each additional 30 cms. Uniform step spacing shall not exceed 30 cms.
9. Adequate precautions shall be taken to prevent danger from electrical equipments. For electrical on line works gloves, rubber mats, and rubber shoes shall be used.
10. All trenches 1.2 Meters or more in depth shall at all times be supplied with at least one ladder for each 30 Meters length or fraction thereof. Ladder shall be extended from bottom of the trench to at least 1 Meter above the surface of the ground. The sides of the trenches, which are 1.5 Meters or more in depth shall be stepped back to give suitable slope, or securely held by timber bracing, so as to avoid the danger of sides collapsing. The excavated materials shall not be placed within 1.5 Meters of the edge of the trench or half of the depth of the trench whichever is more cuttings shall be done from top to bottom. Under no circumstances undermining or under cutting shall be done.
11. Before any demolition work is commenced and also during the process of the work :-
 - a) All roads and open areas adjacent to the Work Site shall either be closed or suitably protected;
 - b) No electrical cable or apparatus which is liable to be a source of danger over a cable or apparatus used by the operator shall remain electrically charged.
 - c) All practical steps shall be taken to prevent danger to persons employed from risk or fire or explosion or flooding. No floor, roof or other part of the building shall be so over-loaded with debris or materials as to render it unsafe.
 - d) All necessary personal safety equipment as considered adequate by the Site Engineer should be kept available for the use of the persons employed on the Site and maintained in a condition suitable for immediate use; and the Contractor should take adequate steps to ensure proper use of equipment by those concerned.
 - e) Workers employed on mixing Asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
 - f) Those engaged in white washing and mixing or stacking of cement bags or any materials which is injurious to the eyes shall be provided with protective goggles.

- g) Those engaged in welding works shall be provided with Welder's protective eye-shields.
- h) Stone breakers shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
- i) When workers are employed in sewers and manholes, which are in use, the Contractor shall ensure that the manhole covers are opened and are ventilated at least for an hour before the workers are allowed to get into the manholes and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals and boards to prevent accident to the Public.

12. Use of hoisting machines and tackle including their attachments, anchorage and support shall conform to the following standard or conditions:-

- a) These shall be of good mechanical construction, sound material and adequate strength and free from patent defect and shall be kept in good repairs and in good working order.
- b) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.
- c) Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 years should be in-charge of any hoisting machine including any scaffold, winch or give signals to the operator.
- d) In case of every hoisting machine and of every chain ring hook, shackle swivel and pulley block used in hoisting or lowering or as means of suspension the safe working load shall be ascertained by adequate means.
- e) Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load. In case of hoisting machine having a variable safe working load, each safe working load of the conditions under which it is applicable shall be clearly indicated. No part of any machine or of any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.
- f) Motor, Gearing, Transmission, Electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards, hoisting appliances should be provided with such means as will reduce to the minimum the risk of accidental descent of the load, adequate precautions should be taken to reduce to the minimum the risk of any part of a suspended load becoming accidentally displaced.
- g) When workers are employed on electrical installation, which are already energized, insulating mats, wearing apparel such as gloves, sleeves, and boots as may be necessary should be provided. The workers should not wear any rings, watches and carry keys or other materials, which are good conductors of electricity.

- 13.** All scaffolds, ladders and other safety devices, mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities shall be provided at or near places of work.

19. TECHNICAL SPECIFICATIONS

GENERAL TECHNICAL SPECIFICATIONS FOR ALLIED WORKS

SECTION	PARTICULARS	PAGE NOS.
1	Technical Specifications for works-General	
2	Technical Specifications for works (Non DSR Items)	

SECTION – 1
TECHNICAL SPECIFICATIONS
FOR CIVIL WORKS - GENERAL

SECTION – 1

TECHNICAL SPECIFICATIONS FOR WORKS GENERAL

1.0 GENERAL:-

The scope of work covers execution and completion of the **Construction of Multi-Storey Building for Administrative Office, RBO, SBILD, SME branch, RASMEC, AMCC and Guest House at Bank Plot of land at Deoghar** in accordance with drawings and specifications prepared by and under the direction of the Architects M/s. D.K. & Associates, A-385, Defence Colony, New Delhi – 110024 and to the satisfaction of the Engineer-in-charge.

Unless provided otherwise the work shall be executed as per CPWD specifications 2019 Volume I & II with up to date amendments, and correction. All relevant Indian Standard (IS) codes related to items of work shall be completely followed for execution.

1.1 The Contractor shall furnish for approval, with reasonable promptness, samples of all materials and workmanship. The Engineer-in-charge/ SBI DEOGHAR shall check and confirm in consultation with Architect / Consultants, approval of such samples with reasonable promptness only to conform with the design concept of the Works and for compliance with the information given in the contract documents. The work shall be in accordance with approved samples. The procedure for submission and approval of samples shall be as follows; -

- a) All material samples in duplicate shall be delivered to the Engineer-in-charge/ SBI DEOGHAR's office at the Contractor's cost. Samples shall be properly labeled with.
 - Name of Project
 - Name of Contractor
 - Name Product
 - Name of Manufacturer
 - Reference No of Schedule of Quantities (BOQ)
 - Date of Submission
 - Date of fabrication / casting – if applicable
- b) Samples shall be accompanied with technical specification / manufacturer's catalogue
- c) In case the Contractor intends to keep an approved sample in his possession he shall submit one additional samples for the Engineer-in-charge/ SBI DEOGHAR's approval.
- d) Samples shall be furnished well in advance to give the Engineer-in-charge/ SBI DEOGHAR reasonable time for their consideration.

1.2 MOCK UP:

The contractor shall erect mockup of each type of repetitive item and proceed with final work after getting approval in writing from the Engineer in Charge and Architect / Consultant. The disapproved mock up unit shall be removed by contractor, immediately. No extra cost will be paid to the contractor for erection of any such mock up, modification of it or for removal of mock up. In case of repetitive items like tables, side units, storages etc. contractor shall make one sample piece and get it approved by Engineer in charge/Architect /Consultant in writing and then only start manufacturing other items.

1.3 Office Accommodation for PMC, Engineer-in-charge's / & Contractor's Representatives and Visiting Officials

The Contractor shall provide and maintain a Prefab Structure Size: 11.59 M x 4.575 M + 1.83 M x 2.135 M (613 S.FT) made out of Double Skin Walls with 2 Nos. 10 mm thick Bison Panels with thermocol insulation, Trapezoidal Sheet Roof, Aluminum doors, Aluminum Windows and False Ceiling with thermocol insulation and as per drawings and direction of Engineer-in-charge.

Within 20 days of the date of the work order/handing over of site, the Contractor shall also provide without any extra cost an office accommodation of about 60.0 sqm out of which 30.0 sqm will be for the Engineer-in-charge's Representatives, visiting and inspecting officials, Meeting Room with attached Toilets. The office spaces shall be well lighted and cooled and shall be provided with adequate number of electric lights, plug points, ceiling fans, air-conditioners, water cooler and all required furniture and fittings including cabinets and drawing stands as per the requirement and to the satisfaction of Engineer-in-charge. The layout and detail plan of all temporary office accommodations to be built at the site shall be to the approval of the Engineer-in-charge.

All such facilities shall be removed just after completion of the project in all respect or shifted/removed at any earlier date as directed by the Engineer-in-charge.

All the expenses for maintenance of the above facilities as well as running expenses shall be borne by the contractor at no extra cost.

2.0 Drawings:

Two copies of all drawings, the schedule of quantities and specifications shall be furnished by the Engineer-in-charge to the contractor for his own use to be kept at site office for reference & execution of works till the completion of the project in all respect. It shall be accessible at all reasonable times to the Engineer-in-charge and their representatives. All documents that is i.e. contract Agreement and all Drawings must be return to the Engineer- in-charge after completion of the project.

All-important drawings are to be mounted on boards and placed in racks and indexed.

3.0 Dimensions:

Figured dimensions are in all cases to be followed & accepted in preference to scaled

sizes. Large-scale details take precedence over small-scale drawings. In case of discrepancy the Contractor is to ask for clarification before proceeding with the work. The decision of Engineer-in-charge shall be final and binding.

4.0 Contractor to inspect site:

The contractor shall visit and examine the construction site and satisfy himself as to the nature of the existing roads or other means of communications, the extent and magnitude of the work and facilities for obtaining materials and shall obtain generally his own information of all matters affecting the execution of the project. Misunderstanding or incorrect information on any of these points or on expenses incurred by the contractor in connection with obtaining site data/information or efforts in compiling the tender shall be borne by the Tenderer and no claims for reimbursement thereof shall be entertained.

4.1 Access to Site:

The Contractor is to include in his rates for making access to the site, with all-temporary gangways, access platforms etc. as required for execution and completion of the works.

4.2 Setting Out:

The Contractor shall set out the works in accordance with the plans. All grid/centre lines shall be pegged out to the satisfaction of the Engineer-in-charge. The Contractor shall be responsible for the correctness of lay out and any inaccuracies to be rectified at his own expense.

The Contractor shall construct and maintain proper benches at the intersection of all main walls, columns etc; in order that the lines and levels may be accurately checked at all times.

4.3 Treasure Trove:

Should any treasure, fossils, minerals, or works of art of antiquarian interest be found during excavation or while carrying out the works, the Contractor shall give immediate notice to the Engineer-in-charge of any such discovery and shall hand over such finds to the Engineer-in-charge immediately.

4.4 Access for Inspections:

The contractor is to provide at all times during the progress of the works and the maintenance period proper means of access, with ladders, gangways etc. and the necessary attendance to move and adapt as directed for the inspection or measurement of the works by the Engineer-in-charge or their representatives.

4.5. Attendance upon all Trades:

It will be the responsibility of the main Contractor to attend on all Tradesman or Sub-contractors appointed by the SBI DEOGHAR for other services i.e. for water supply and sanitary, electrical installation, lifts, air-conditioning, security Equipment,

hardware, Telephone, Water bore well and other specialist Sub-Contractors. The rates quoted shall be inclusive of all attendance and also allow the other Sub- Contractors' appointed by the SBI DEOGHAR.

4.6 Water supply:

The Contractor shall allow the use of water for other works on the site done by other Contractors appointed by the SBI DEOGHAR and the apportioning of cost may be done by the parties involved directly and on mutually accepted terms.

4.7 Electric Supply:-

He shall also allow other Contractors to use the facilities when requested but the Engineer-in-charge shall apportion consumption charges. The parties involved directly and on mutually accepted terms may do the apportioning of cost.

4.8 Gate Keeper and Watchmen:-

4.8.1 The Contractor from the time of being placed in possession of the site must make arrangements for watching, lighting and protecting the work, all materials, workmen and the public during day and night on all days including Sundays and holidays at his own cost.

4.8.2 Before starting the work the contractor shall intimate to the Engineer-in-charge the number and names of works and other personnel together with a copy of each identity card with photograph along with a list of tools, tackles and construction materials for obtaining respective inward gate pass, in triplicate, one for the gate office, one for the Engineer-in-charge's representative and the other for the contractor. The contractor shall be permitted similar outward pass on completion of work and on submission of contractor's copy of same inward pass.

4.8.3 The contractor shall apply for gate passes for taking out any materials, tools, tackles etc. brought by him inside the SBI DEOGHAR premises based on contractor's copy of inward pass and also for his personnel going out of the SBI DEOGHAR premises.

4.8.4 The contractor shall be responsible for any unauthorized removal of materials, tools, tackles etc. from the SBI DEOGHAR premises.

4.8.5 SBI DEOGHAR gate office norms to be followed.

5.0 Storage for Materials:-

The Contractor shall provide for all necessary sheds of adequate dimension for storage and protection of materials like cement, lime, timber and such other materials including tools and equipment which are likely to deteriorate by the action of sun wind, rain or other natural causes due to exposure in the open. For cement the contractor shall arrange for leak proof godown of sufficient size to store not less than 3 months requirement of cement.

All such sheds shall be cleared away and the whole area left in good order on completion of the contract to the satisfaction of the Engineer-in-charge.

All materials, which are stored on the site such as bricks, aggregates etc., shall be stacked in such a manner as to facilitate rapid and easy checking of quantities of such materials.

6.0 Cost of Transporting:-

The Contractor shall allow in his cost for all transporting, unloading, stacking and storing of supplier of goods and materials for this work on the site and in the places approved from time to time by the Engineer-in-charge. The Contractor shall consider in his price for transport of all materials controlled or otherwise to the site.

7.0 W.C. and Sanitary Accommodation and Office Accessories and Accommodations:-

The Contractor shall provide at his own cost and expense adequate closet and sanitary accommodation complying in every respect to the rules and regulations in force of the local authorities and other public bodies, for his workmen, for the workmen of sub-contractors, Engineer-in-charge and other Contractor's agents connected with this building project and maintain the same in good working order.

He shall arrange to provide a Auto level, Total Station & Theodolite and at all times maintain in good working order at site, to enable the Engineer-in-charge to check the lines and levels of the work.

8.0 Materials, Workmanship and Samples:-

Samples of materials to be used with original/coloured catalogue with specification shall be brought by Contractor well in advance and shall be displayed and kept in separate sample room on site. Samples of all kind of material to be used shall be getting approved from Engineer-in-charge.

Materials shall be of approved quality and the best of their kind available and shall generally conform to I.S. Specifications. The Contractor shall order all the materials required for the execution of work as early as necessary and ensure that such materials are on site well ahead of requirement for use in the work. The work involved calls for high standard of workmanship with accelerated progress to the entire satisfaction of the Engineer-in-charge.

8.1 Rate to Include:-

The Rates quoted shall be for all lead, heights and depths and for finished work complete in all respect and to the satisfaction of Engineer-in-charge.

8.2 To ascertain from Contractors for the other trades:-

The Contractor shall ascertain from other Contractors as directed by the Engineer-in-charge all particulars relating to their work with regard to the order of its execution and the position in which chases, pockets, holes and similar items will be required, before the work is taken in hand as no claims for extras will be allowed for cutting away work already executed in consequence of any neglect by the Contractors to ascertain these particulars beforehand.

9.0 Foreman and Tradesman:-

All Tradesmen shall be experienced men properly equipped with suitable tools for carrying out all the work of carpentry and joinery and other specialist trades in a first class manner and where the Engineer-in-charge deem necessary, the Contractor shall provide any such tools, special or ordinary, which are considered necessary for carrying out of the work in a proper manner.

All such tradesman shall work under an experienced and properly trained Foreman, who shall be capable of reading and understanding all drawing, pertaining to this work and the Contractor shall also comply with other conditions set out in the General Conditions of the Contract.

10.0 Work Programme/Weekly Progress Report:-

The Contractor shall prepare and submit to Engineer-in-charge for approval, a PERT/CPM chart showing the programme of construction of various items, fitted within the period stipulated for completion, within **30 days** of the communication of the acceptance of Tender. The Contractor shall also furnish necessary particulars weekly progress reports in the form furnished by the Engineer-in-charge. Approved programme shall be the basis for monitoring the progress of work. The Contractors also should up date and re-analyze the PERT/CPM chart as often as required as per direction of Architects and Engineer-in-charge to assess and reassess the progress of work done and take corrective measures for making out any deficiency.

11.0 Clearing of site:-

The contractor shall immediately after completion of the work clear the site of all debris and left over materials at his own expense to the entire satisfaction of the Engineer-in-charge and Municipal or other public authorities. Before taking out any surplus material, reconciliation of materials shall be submitted by the contractor for approval. For taking out the materials, the contractor shall strictly follow the provisions laid down in General Specifications and/or any subsequent circulars that may be issued by SBI DEOGHAR from time to time.

12.0 Photographs:-

The Contractor shall at his own expense supply to the Engineer-in-charge with triplicate copies (including the soft copy) of large photographs not less than **25 Cm. x 20 Cm. (10" x 8")** of the works taken from two approved portions of each building, in every month during the progress of the work, or at every important stages of construction.

13.0 Preparation of Building for occupation and use on Completion:-

The whole of the work shall be thoroughly inspected by the Contractor and all deficiencies and defects put right. On completion of such inspection, the Contractor shall inform the Engineer-in-charge in writing that he has finished the work and it is ready for the Engineer-in-charge inspection.

On completion, the Contractor shall clean all windows and doors and all glass panes, including cleaning of all floors, skirting, dados, staircases and every part of the building including oiling all hardware. He will leave the entire building neat and clean and ready for immediate occupation and to the satisfaction of the Engineer-in-charge.

14.0 Contractor to Provide Sign Board:-

The Contractor shall provide notice on proper supports **3 m x 2 m (10' x 6')** in a position approved by the Engineer-in-charge. He shall allow for painting and lettering stating name of work, name of Engineer-in-charge, Structural Consultants; General Contractor and Sub-Contractors, all letters except that of the name of the work shall be in letters to the approval of the Engineer-in-charge. He will also display safety notices as per requirement and direction of Engineer-in-charge.

15.0 Vouchers:-

The Contractor shall furnish the Engineer-in-charge with vouchers on request to prove that the materials are as specified and to indicate the rate at which the materials are purchased in order to work out the rate analysis of the non-tender items which he may be called upon to carry out. He will also have to provide the gate entry challan.

16.0 Protection:-

The Contractor shall properly cover up and protect all work throughout the duration of work until completion, particularly masonry/finish, moulding, steps, terrazzo or special floor finishes, staircase and balustrades, doors and window frames, plaster angles, lighting and sanitary fittings, glass, paint work and all finishing works.

17.0 Workmanship:-

- 17.1 The workmanship is to be the best possible and of a high standard. The contractor shall take all steps immediately to make up deficiency if any noticed by the Owner / Architect. Use must be made of special tradesmen in all aspects of the work and allowance must be made in the rates for the same.
- 17.2 Contractor shall maintain uniform quality and consistency in workmanship throughout the execution of the work.
- 17.3 The contractor shall be responsible for providing and maintaining temporary coverage required for the protection of finished work. He is also to clean out all wood shavings; cut ends and other waste from all parts of the works before covering of infillings are

constructed.

- 18.0 The Architect shall have full powers and authority to issue such instructions as to the order of proceeding with or carrying out the work as he may deem necessary for the guidance of the Contractor and contractor shall be bound by such instructions of the Architect or any person authorized by the Architect to give such instructions.
- 19.0 The levels and measurements of the existing site, as shown in the drawings, are believed to be correct, but the Contractor should verify them for himself. No claim or allowance whatsoever will be entertained hereafter on account of any errors or omission in the description of the site turning out different from what was expected or shown in the drawings.
- 20.0 All floors, paving, staircase, etc. are to be scrubbed, all glasses to be cleaned on both sides of windows/curtain wall including its members, screens, doors, sky-lights, roof lights, etc., all gulley, gutters, pipe heads, etc. to be cleaned out and the premises left clean, perfect and water tight upon completion. However, a proper care needs to be taken during such cleaning works that the original finishing such as polishing, painting, anodizing, powder coating etc. are not scratched/damaged. In case of any such damage, the contractor shall have to reinstate the same as original as per the instructions of Employer/Architects, without any cost to Employer.
- 21.0 Any loss or damage caused due to fault or negligence on the part of Contractors labours, staff etc. during working in the premises will be made good by contractor at no extra cost or the damage and repair cost will be reimbursed in full to the Employer.

22.0 Completion Schedule:-

- 22.1 The works shall be executed strictly as per time schedule mentioned in NIT. Contractor shall have to plan his construction programme and activities so as to complete the work in the stipulated period. The period of completion given includes the time required for mobilization as well as testing, rectifications, if any, re-testing and completion in all respects to the entire satisfaction of Engineer-in-Charge.
- 22.2 The contractor shall furnish within 30 days of letter of award CPM network chart showing the mile stone and critical path for completion of work within the stipulated time and as per conditions of the contract. The programme should clearly include Manpower, Material and Machinery resources proposed to be deployed for achieving the targeted progress, justification for same based on machinery output, the date from which each machinery shall be available at site in working condition etc. complete. The programme shall be subject to the approval of Engineer-in-Charge who may order changes in the programme. The decision of Engineer-in-Charge shall be final and binding in this regard.
- 22.3 Contractor is expected to mobilize and employ sufficient resources to achieve the progress within the broad frame work of accepted methods of working and safety. No additional payment shall be made to the contractor for any multiple shift work or other incentive methods contemplated by him in his work schedule even though the time schedule is approved by the Engineer-in-Charge.

22.4 During the currency of the work the contractor is expected to adhere to the time schedule on mile stone and total completion and this adherence will be a part of Contractor's performance under contract.

22.5 The Engineer-in-Charge can hold the payment till such time; the contractor does not submit CPM/Milestone Chart/Construction Equipment Programme etc. The Contractor will be fully responsible to submit Milestone Chart in consultation with Engineer-in-Charge to complete the work within stipulated time.

23.0 For Monitoring of Project:-

23.1 The contractor shall submit the programme Network based on Critical Path Method using precedence Diagram method to complete the work within stipulated time schedule.

23.2 The agency shall submit month wise details of manpower and machinery to be deployed in project along with material procurement schedule for completion of work with in stipulated period based on programme Networking. The progress will be reviewed monthly with respect' to the programme/Net Work chart submitted by agency. Two copies of proposed network chart showing activities completed and backlog if any, should be submitted to the Engineer-in-Charge on fortnightly basis. The revised CPM chart with additional manpower/machinery/ labour deployment scheduled should also be submitted in case regular backlog is observed and revised programme is essential to complete the work with in stipulated period.

23.3 The approval to the revised schedule resulting in a completion date beyond the stipulated date of completion shall not automatically amount to grant of extension of time to the Contractor.

23.4 Contractor shall submit fortnightly progress reports (3 copies) highlighting status of various activities and physical completion of work.

23.5 Contractor shall give every day report on category wise labour and equipment deployed along with the progress of work done on previous day in the proforma prescribed by the Engineer-in-Charge.

SECTION -2

TECHNICAL SPECIFICATIONS FOR NON DSR ITEMS

SECTION -2

TECHNICAL SPECIFICATIONS FOR NON DSR ITEMS

1.0 GENERAL:

- 1.1 All the materials to be used for the works shall be of the best quality confirming to relevant I. S. Code and as per approved brands or approved by Engineer in charge / Architect / Consultant for non-branded items.
- 1.2 All the exposed timber shall be as per sample approved, with moisture content as per I.S. standards and well-seasoned, free from knots, cracks, warps, and other defects and shall be treated against white ants with Aldrex chemicals, as per specifications of the manufacturers (minimum 2 coats).
- 1.3 The entire internal timber frame shall be 1st quality, Salwood, well-seasoned free from knots, cracks, warps, and other defects and shall be treated against white ants with Aldrex chemical (minimum 2 coats) as per approved sample.
- 1.4 Rate of all items include the cost of finishing timber, Veneer, Plywood etc. with synthetic enamel paint / spirit / wax polish /melamine as specified to match with surrounding surface. The decision of the Engineer in charge /Architect /Consultant on the nature of finishing shall be final and binding on the contractor without any extra cost.
- 1.5 All particle boards / ply sheets both marine and veneered block boards (Phenol bonded) will be water proof quality with ISI mark and as per approved brands only.
- 1.6 All the edges shall have teak wood leaping /moulding as per drawings and specifications.
- 1.7 The contractor shall obtain the approval regarding shade, quality, type and approved brands of color in respect of paint and polish, carpet or fabric from the Engineer in charge / Architect /Consultant before purchasing. The contractor, if required, shall produce the reasonable number of samples and put up such samples on wall, partitions, and furniture as directed by the Engineer in charge / Architect /Consultant.
- 1.8 All unexposed surface of paneling / ceiling will have coat of primer and / or polish as specified or directed by the Engineer in charge / Architect /Consultant.
- 1.9 Externally exposed Laminates to be used for finishing shall be of 1.0mm thick and internal finishing shall be of 1.0mm thick egg white laminates from approved brands and approved list of materials.
- 1.10 The frame work for false ceiling / paneling etc. shall be laid in true line, level in both directions; the wooden scantlings shall be straight and fixed rigidly with screws of appropriate size, at appropriate distance as directed at required level. The framework shall be painted with two coats anti – termite solution or Black Japan before the same is covered with ceiling / paneling boards etc.

- 1.11 The G. I. suspenders for false ceiling shall be straight and fixed rigidly to R.C.C. structures / slab / roof truss / purlin or wood support etc.
- 1.12 For wall paneling and ceiling and partitioning should be calcium silicate boards with all the G.I. suspenders, ceiling sections, perimeter channels, intermediate channels, ceiling angles, connecting clips, soffit cleats etc. used or as per directions given by the Engineer in charge / Architect / Consultant.
- 1.13 For ceiling and paneling work, filling joints, finishing and painting should be done as per the manufacturer's specifications and directions given by the Engineer in charge / Architect / Consultant. (I.S. 2542 & 2095)
- 1.14 Agro-wood paneling, polishing, should be done as per the directions of the manufacturer Andaman Timber Ltd. Polish should be applied after cutting & to all the surfaces.
- 1.15 The fabric to be used should be of required acoustical grade and as per approved samples by Engineer in charge / Architect / Consultant.
- 1.16 All the hardware to be used in furniture paneling and partitions will have to be approved brands only.
- 1.17 Paint shall be use of the approved brands and type as per direction by Engineer in charge / Architect / Consultant. Different types of paints may be required for different paneling or sections of paneling and ceiling and contractor should follow the specifications & directions given by the Engineer in charge / Architect / Consultant about this.
- 1.18 Melamine polish – preparation of surface – filling grain completely with putty made of whiting powder with required strainer and Acrypol N 83 Sand and Surface mildly with 120/150 Emery paper softer drying for 15 min. polishing – 1. Mix Acrypol SP 85 matt in equal proportions. Spray the mixture uniformly with a spray gun at a pressure of 30 psi. 2. Allow it to dry for 6 – 8 hrs. 3. Sand surface with 120 / 150 Emery paper. 4. Repeat 1, 2 and 3 for two more coats up to required surface or approved by the Engineer in charge / Architect / Consultant. Poly-urethane finish - to veneered tops surfaces & edges: Surface preparation as require for polishing (French & melamine). Sand surface mildly with 100 Emery paper, for 15 min, after first coat polishing. Apply one coat of Primer and allow 8-12 hours of drying. Spray first coats of Polyurethane transparent matt finish and recoat after interval leading to tacking of first coat.
- 1.19 The rates quoted for various items included in this tender such as wooden framework, false ceiling, paneling etc. shall be inclusive of the cost of necessary framework, scaffolding, all tools and tackles, machineries required for execution of the works, lifting of materials etc. As the work is proposed to be executed at various heights, no extra claim shall be entertained on account of execution of work at various heights / floor. The measurement of items included in this work shall not be taken and paid separately for different floor levels and varying heights.

2.0 FALSE CEILING (Gypsum & POP CEILING)

2.1 Installation:- As per CPWD specification.

3.0 FLOORING:-

3.1 Installation:- As per CPWD specification.

4.0 STAINLESS STEEL RAILING WORKS

4.1 Dia 50mm Round Baluster System:-

Supply and installation of Arch make 304 Grade Stainless Steel Knock Down railing system

comprising Ø 50mm Handrail fixed on Ø 50mm S.S. Round baluster (Design Code ABT222-1- 163) placed at maximum 1200mm c/c along with 3 Nos. Ø 16 mm mid rails connected at the side of baluster with fixtures. The balustrade would be fixed onto floor with casted base plate of minimum 6mm thickness. Base plate shall be concealed with suitable S.S. 304 grade cover Cap so that the mounting anchor fasteners are not visible after installation. Wall thickness of Handrail & Baluster Pipes shall be taken as 1.5mm & Mid Rail Shall be 1.2 mm along with all visible components developed in High Grade S.S. and whenever required, joints to be filled with bushings for extra strength. Railing height to be taken @ 1000mm from floor level.

4.2 Wall Mounted Railing system:-

Supply and installation of Arch make 304 Grade Stainless Steel Knock Down Wall mounted Railing system comprising Ø 50mm Handrail mounted on the wall through Wall Brackets & anchor fasteners which will be placed at maximum 1200mm c/c distance and as per site requirement. Wall thickness of all Pipes shall be taken as 1.5mm along with all visible components developed in High Grade S.S. and whenever required, joints to be filled with bushings for extra strength.

4.3 Installation:-

Installation shall be by done a qualified, authorized representative of the manufacturer. Installation must be in accordance with standard or non-standard, yet applicable details (instructions) included on installation/shop drawings provided by the manufacturer. Install components plumb and in-line, accurately fitted, free from distortion or defects and securely anchored to structure.

4.4 Protection after installation:-

Contractor is to provide protective covering on handrails and guardrails if construction is not yet finished in the area where the railings are installed.

4.5 Measurements:-

Length of the finished Railing shall be measured correct to a cm. The rate shall include the cost

of the labour, T&P and materials involved in all the operations described above.

5.0 FULLY AUTOMATIC GLAZE DOOR:-

5.1 General:-

Automatic operation system suitable for existing double lead frameless glazed door shall be made of 12mm thick glass with opening size of about 2.4m x 2.4 m consisting of solid state controller unit, heavy duty reversible motor, adjustable timer, gear for transmission, sensors on both sides, associates cabling and circuit etc., so as to provide flawless automatic operation, with all labour, material, equipment, handling, transportation, workmanship, preparation of working drawings, testing etc., all complete, as per manufacturer specifications and instructions of the Engineer, including internal cover with Operator Dimensions (H x T): 100 x 180 mm.

All complete as per direction of Engineer-in-charge.

5.2 Installation:-

The track profile should be separate from the main profile for enabling reduction in vibration insulation. Microprocessor control, self-learning, reverses when obstruction is encountered. Microprocessor-controlled control unit. It should be Self-learning, with adjustable parameters for opening and closing speed, hold-open time and opening and closing force. Class of protection IP 20. The electric operating Mechanism shall be mounted and concealed within the Stainless Steel header and the Controller Unit shall be Micro Processor Based.

5.3 Technical Parameters:-

Drive Unit	Top mounted actuator
Clear width	240 mm
Clear height	2400mm
Travel Control system	Encoder
Capacity	360 Kg. (2 Leaves)
Power Supply	220 V~/50-60 Hz
Duty Class	5-vert heavy duty
Intermittent operation	S3=100%
Opening speed	150-600 mm/s (Adjustable)
Closing Speed	100-550 mm/s (Adjustable)
Opening Time	0-9 Seconds (Adjustable)
Accessories Power supply	24V=/0.5A
Manually adjustable functions	Drive force. Dwell time during opening 0-30 seconds. Partial opening.
Self-adjusting functions	Maximum opening closing limits Rotary programmer.
Safety devices	Built-in photocells
Control Switch	Pair of microwave radar for open & close operations

Std. Cable Length	5 Mtr - Motor to Radar & 5 Mtr - Motor to Photocell
Safety devices	Built-in photocells

5.4 Features:-

- a. CE marked according to the European Machinery Directive 2006/42/CE and type tested according to standard European Norm 13241-1.
- b. Extruded anodized aluminium profile sliding guide and casing, sliding on reinforce nylon wheels.
- c. Electronic control board with microprocessor.
- d. Built in electronic anticrush devise with encoder.
- e. Manual and automatic settings with trimmer and dipswitch.
- f. Automatic closing, reversal safety, obstacle detection, adjustment, automatic closer time.

6.0 HARDWARE:-

6.1 Lever Handle with Lock:-

Tubular lever handle with sash lock with back set, Foreend, Euro profile cylinder with one side key and other side knob operation with strike plate and fitting with necessary screws etc. complete

- a. External trim lever type finish: silver. Complete set including spindle, screws & all fixing accessories.
- b. pin euro profile half cylinder with one side key operation standard length 42mm in satin nickel plated finish with 3 keys. Optional master keying and grand master keying can be done on request.
- a. Lever handle package consist of tubular lever handle sash lock with 55mm back set, CTC-72mm and 20 mm for end, euro profile cylinder with one side key and other side knob operation with 20 SS strike plate.

6.2 Hydraulic Door Closer:-

Hydraulic door closer silver finish as per EN 1154 standards with necessary accessories and screws etc. complete.

Rack and pinion door closer, TS 71 EN size $\frac{3}{4}$, with std. arm and with two independent closing valves and latching speed adjustable by arm. Full plastic cover. Silver finish as per EN 1154

6.3 Hydraulic Floor Spring:-

Double action hydraulic floor spring for door including cost of cutting floor required, embading in floor and cover plates with pivot and single piece sheet cover box with side plates etc. as per direction of engineer in charge.

Floor spring BTS 75V EN 1-4 with std. spindle and cover plate. The floor spring with back check and adjustable closing speed from 1750. Non-hold opens. As per EN 1154 and CE marked. Finish: satin stainless steel.

6.4 Pull Handle:-

SS Pull handle of 300 x 22mm size with necessary fixing accessories, washers & screws etc. complete as per direction of Engineer in charge. A.150 Back to back with adjustable fixing for glass, wood and metal doors in satin stainless steel. The pull handles should have supporting washer with raised beveling on the outer surface. Length=150mm, 19mm dia, - SS304

300 back to back with adjustable fixing for glass, wood and metal door in satin stainless steel. The pull handles should have. Supporting washer with raised beveling on the outer surface. Length=300MM, 22MMDIA-SS304 supporting washer with raised beveling on the outer surface. Length=300MM, 22MMDIA-SS304

7.0 FIRE RATED CEMENT & BULKHEAD SYSTEMS:-

7.1 120 Minutes Fire Rated Cement systems:-

The Shaft and services openings in fire rated wall floors are to be properly fire stopped with 2hrs fire rated Insulation & integrity with cement single side for. The system would involve providing and fixing of cement with 50mm thick Mineral Wool of 150 Kg density to achieve the required Insulation. Service Penetrations through walls and floors to be sealed with Cement as tested to BS: 476 Part 20 & AS 1530 part 4 to maintain the required fire rating of 2hrs of the building element. Installation shall be done in accordance with the tested specification. The system will be supported by a valid Test report.

The service lines could be of various types like electrical cables trays, metal pipes, GI Ducts for AC, Etc. Total thickness of systems 70mm.

Application Areas: Cable tray penetration, bus way penetration, HVAC penetration, metal pipe penetration

7.2 120 Minutes Fire Rated Bulkhead System:-

Fire resistance bulkhead system or equivalent with minimum 2 hours fire rating when tested in accordance with BS 476 part 20 for horizontal openings in fire rated floors or slabs and vertical openings in walls for passing services shafts. The fire resistant system

shall comprise of a mineral wool board having a minimum density of 120 KG/M3 coated with 1-2mm thick Bulkhead . All contact surfaces and cavities shall be sealed with Promaseal Intumescent selant. The service lines could be of various types like electrical cables trays, metal pipes, etc.

Application Areas: Cable tray penetration, multiple penetrations.

8.0 HANDICAP TOILET:-

CRUSE SET

- a. EWC
- b. 710X370X810 mm
- c. S trap
- d. P trap
- e. Cistern
- f. Soft seat cover
- g. Twin Flush Fittings
- h. Wash Basin 510 X 400mm
- i. Spatula Lever Faucets
- j. Wall mounted grab bar 600mm
- k. Wall mounted grab bar 600mm
- l. Wall mounted hinged hand rail 750x100

9.0 URINAL PARTITION:-

9.1 General:-

Modesty Panel of 12mm Thick Compact Laminate should be provided and fixed and Size of UMP: 900 mm (W) x 450 mm (H), 1850 mm Height of Cubicle (Including bottom Gap of 650 mm).

Complete in all respect as per instruction of Engineer in charge.

Accessories:

Standard - Stainless Steel – 304 Grade accessories)

- a. Right Angel Brackets.
- b. S.S. Screws 304 G & P.V.C. Wall plugs.

10.0 RAIN WATER HARVESTING

10.1 Geotextile / Polyfelt:

Non-woven Geotextile having thickness of 400 GSM, having minimum tear Strength of 250 ASTM D4533, width wise at least 215 ASTM D4533 having puncture strength of 1550 plus as per ASTM D6241. Having elongation at Break % of 57 plus as per ASTM D4595 in two layers, made out of long fibers to hold the modules and protect liner including cutting, sizing, head welding and needle punched for high porosity and proper percolation.

10.2 PURE RAIN” Filter:

Providing and fixing of CGWB/GRIHA approved Pure Rain Filter 700mm dia with 300mm dia inlet and outlet to accommodate storm water having desilting suspended solid catcher made out of FRP with strainers steel 304 grade strainers, having steel bucket of 600micron capable of eliminating finer particulate matter upto 160micron filtration made of SS net with long fibre foam of 25mm thickness, green color, filtration capacity 40-80 kiloliters complete in accordance to the design, drawing and specification complete as per entire satisfaction of Engineer-in-Charge. Total depth of filter shall be 2000mm including two filter extension.

10.3 Cross wave RWH Structure:

Cross wave co-polymer based rainwater harvesting structure of size 494 mm x 494 mm x 220 mm with minimum void ratio of 94.7% having a weight of 1.8 kgs.

Spacers having size of 988 mm x 240 mm x 25 mm having a weight of 0.8 kg.

SPECIFICATION FOR CROSSWAVE CW-HYQ			
S'No.	SPECIFICATION	Length	Unit
1. (A)	Length	494±2	mm
(B)	Width	494±3	mm
(C)	Thickness	220±4	mm
2.	Weight	1.9±0.1	Kg
3	Material	Reprocessed polypropylene	Polypropylene has been identified
4	Copolymer Structure	Monolphil/ Interlock Structure	Compiled
5	Void Ratio	< 95	%

6	Verticle allowable stress (kN/m ²) Short Term Long Term	55 20	kN/m ² kN/m ²
7	Horizontal allowable stress (kN/m ²) Short Term Long Term	25 20	kN/m ² kN/m ²
8	Truck Load	14	Tone
9	Min. Covering	0.5	m
10	Max. Covering	1.1	m
11	Max. Depth	3	m

SPECIFICATION FOR PURE RAIN FILTER			
S. No.	SPECIFICATION	Length	Unit
1	Total Height Of Filter, mm Included extention chamber	2000	mm
2	Height Of Filter Extention	600	mm
3	Height Of Filter	800	mm
4	Outer Diameter of filter	786	mm
5	Inner diameter	696	mm
6	Diameter of water inlet	322	mm
7	Diameter of water Outlet	326	mm
8	Steel bucket pore size of filter (micron)		
(i)	Line 1	600	Micron
	Mechanical Properties of FRP		
1	Tensile Strength	106	Mpa
2	Flexural Strength	222	Mpa
3	Water absorption	0.4	%
4	Barcol Hardness	44	Bu
5	Heat deflection °C	286	°C

All measurements have tolerance of $\pm 10\%$

SPECIFICATION FOR GEO TEXTILE MEMBRANCE			
S. No.	SPECIFICATION	Length	Unit
1	GSM	436	
2.	Tensile Strength, KN/mtr		
(A)	Length wise	18	mm
(B)	Width Wise	13.3	mm
3	Tear strength		
(A)	Length wise	456	mm
(B)	Width wise	369	mm
4	Elongation		
(A)	Length wise	68	mm
(B)	Width wise	98	mm
	Puncture strength	431	

All measurements have tolerance of $\pm 10\%$

11.0 MODULAR PANTRY

11.1 General:-

Supplying & Fixing of Kitchen Base Unit Box with BWR 18mm Water Proof Plywood's with Inside Quality 0.8mm laminate finish with Merino Lam or Green Lam Post form Sutter's Finish with Box Backside BWR 6mm Water Proof Plywood's with Box Backside applying 1Coat the Primer. With Quality Handles, Auto Hinges and all Doors Single Colors Finish.

Technical Specification And Materials Used In This Pantry

- Finishing Materials : It Is Laminated Kitchen
- Structural Materials : 18mm Boiling Water Resistant Plywood
- Handle : G Profile Handle
- Accessories : Plain Basket
- Hardware : 0°Degree Hinges & 20"Channels,Glass Profile
- Size Of the Pantry : Approx. 2688mm

11.2 Use Material Detail:-

- Bwp Plywood Make By Sundeck\Green ply
- Hardware Make By Ultima\ Hafele
- Trolly Make By Silica \harmony

- d. Edge Bidding Make By Rehao\ E3
- e. Frosted/Clear glass Make By modi\Saint-Gobain

12.0 WATER PROOFING

Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following application

- Clean the existing RCC surface of all loose particles, dust, cement laitance etc. preferably done using mechanical means etc.
- Applying and grouting a slurry coat of neat cement using 2.75kg / sqm of cement admixed with water proofing compound over the RCC slab after cleaning the surface before treatment.
- Laying cement mortar 1:3 admixed with proprietary water proofing compound conforming IS:2645 / DIN 1048 over Min. 20mm thick or as required for slope and treating similarly the adjoining walls up to 300mm height including rounding off junctions of walls and slab.
- Dampen the surface with water before application of waterproofing coating. Provide and apply two coats of highly flexible polymeric waterproofing cementitious coating of (water proofing compound) mixed with cement in the ratio 1:1 (by wt.) conforming to IS:2645 / DIN 1048. Mix the two materials using a mechanical stirrer. Extend the coating upto min. 300mm height including rounding off junctions of walls and slab over final finishing.
- Apply the two coats at 12-24 hours interval. Air cure for 24 hrs and sprinkle cure for 24-48 hrs.
- After Finishing the Two Coats Lay the cement concrete using bricks of size 110X230X75 mm with 50% of cement mortar admixed with shrinkage compensating waterproofing plasticizing admixture at a dosage directed by Expert person of cement to required slope.
- After two days of proper curing, finishing the surface with 20mm thick joint less cement mortar of mix 1:4 admixed with shrinkage compensating waterproofing plasticizing admixture at a dosage directed by Expert person and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square.
- The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications.

12.1 Waterproofing Landscaping Area Waterproofing Treatment: Courtyard and Extended Basement

- a. **Cleaning:**

Clean the RCC surface of all loose particles, dust, cement laitance etc. preferably done using floor polishing machine or any other mechanical tools. Surface preparation is of prime importance as the degree of performance of the coating is directly proportional to the extent of cleaning.

Identify the cracks, construction joints, honeycombed areas etc. on the RCC surface.

b. Crack filling:

Fill all the cracks using single component Liquid Applied pure polyurethane membrane. Slightly widen the crack using a cutting device and clean the same using air blower to remove dust particles. Apply **POLYURETHANE PRIMER** in the crack and then after 1 hr inject single component Liquid Applied pure polyurethane into the crack. After 3-4 hrs check for any absorbency if any fill the crack again till it gets filled

c. Coving/Vata At The Junction Of Wall And Slab-

Prepare a coving (50 mm x 50 mm) at the junction of slab and wall using single component Liquid Applied pure polyurethane waterproofing membrane

Apply PRIMER at the junction and allow it to dry for min 30-40 min.

After primer has cured apply 1st coat of single component Liquid Applied pure polyurethane by brush.

While 1st coat is wet, cut a strip of geotextile and tightly placing it along the junction.

Apply second coat of single component Liquid Applied pure polyurethane over the geotextile in such a way that no air bubbles are left in between.

d. Waterproofing Chemical System:

Providing and applying single component liquid applied polyurethane based waterproofing membrane to the entire area at the dose of 1.5 kg per m².

Apply single coat of **polyurethane primer** with the help of brush and allow it to dry for 2-3 hours.

After primer has dried apply TWO coats of single component Liquid Applied pure polyurethane waterproofing membrane.

Apply First coat at 1 kg per m² rate and allow it to cure for 24-48 hrs.

Apply second coat at 0.5 kg per m² rate. To provide key for the screed, sand should be broadcasted while the second coat is still tacky.

Allow this coat to moisture cure for 2-3 days.

e. Protective Screed And Final Finish:

After two coats has dried up Laying average 15-20 mm thick waterproof Polymer plaster admixed with shrinkage compensating plasticizing waterproofing admixture(330 gms per bag of cement) followed by final finish.

Finish the surface as per your specifications using BB coba, IPS, China Mosaic etc

12.2 Waterproofing of Wet Areas Waterproofing (Toilet/Kitchen/wash area/balcony etc).

Clean the existing RCC surface of all loose particles, dust, cement laitance etc. preferably done using mechanical means etc.

Inspect for construction joints, cracks, honeycombs etc. if any grout the same with non shrink cementitious grout by admixing 2 pouches of shrinkage compensating waterproofing admixture 330 gms pouch per 50 kg bag of cement. Add water for consistency.

Grout this slurry under pressure into these nipples and after 24 hrs cut the nipple and seal them with Polymer modified mortar.

Prepare a side vata at the junction of RCC slab and wall with Polymer modified mortar prepared by mixing 1 kg Polymer Modifier chemical, 5 kg cement and 15 kg sand and water as per consistency.

Seal RCC and pipe cutouts using Polymer Modified Mortar as above.

Dampen the surface with water before application of waterproofing coating. Provide and apply two coats of highly flexible modified acrylic polymeric waterproofing cementitious coating mixed with cement in the ratio 1:1 (by wt.) conforming to DIN 1048. Mix the two materials using a mechanical stirrer. Extend the coating up to min. 0.3 m over final finishing layer on the side walls.

Apply the two coats at 12-24 hours interval. Air cure for 24 hrs and sprinkle cure for 24-48 hrs.

After two days of proper curing, finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 admixed with shrinkage compensating waterproofing plasticizing waterproofing admixture at a dosage of one pouch (330 gm) per 50 kg cement.

Note: All waterproofing work should be done by in presence of company expert person/dealer/applicator only.

12.3 Protection of Overhead Water Tank Using Modified Acrylic Polymeric Waterproofing Coating Followed By Food Grade Epoxy Coating Internally.

a. Cleaning And Surface Preparation:

Clean the RCC surface of all loose particles, dust, cement laitance etc. preferably done using floor polishing machine or any other mechanical tools. Surface preparation is of prime importance as the degree of performance of the coating is directly proportional to the extent of cleaning.

Identify the cracks, construction joints, honeycombed areas etc. on the RCC surface.

Injection grouting shall be done at construction joints with providing and injection non shrink cementations grout by mixing – 2 pouches (330 gms. Each) of shrinkage compensating expanding waterproofing admixture and 50 kgs of cement and sufficient water for flow ability, Grouting the same under pressure in pre-drilled holes by grouting pump etc. After grouting is completed after 24 hours, cut the nipples and seal it with PMM.

b. Coving at Junction of Wall And Slab.

Prepare a side vata at the junction of RCC slab and wall with Polymer modified mortar prepared by mixing 1 kg Polymer mortar modifier, 5 kg cement and 15 kg sand and water as per consistency.

c. Providing Modified Acrylic Polymeric Waterproofing Cementitious Coating

Dampen the surface with water before application of waterproofing coating. Provide and apply two coats of highly flexible modified acrylic polymeric waterproofing cementitious coating mixed with cement in the ratio 1:1 (by wt.) conforming to DIN 1048. Mix the two materials using a mechanical stirrer.

Apply the two coats at 12-24 hours interval. Air cure for 24 hrs.

d. Application of Solvent Based High Build Food Grade Epoxy Coating

Check moisture content of surface using moisture meter. Moisture content should be below 4%. If not allow it to dry naturally.

Apply two pack, non-toxic, solvent based high build food grade epoxy coating over the already dried surface.

Mix Part-A and Part-B in 5:1 (part A:part B) ratio in a clean container. Mix both the parts using a slow speed mechanical stirrer to attain uniform consistency.

Apply coating of solvent based high build food grade epoxy coating using soft paint brush or air spray. Ensure coating is pin holes free by inspecting with magnifying lens.

Apply two coats of solvent based high build food grade epoxy coating at 24 hours interval after first coat, inspecting each coat for defects and pinholes with a magnifying glass.

Take all necessary safety precautions during handling and application.

12.4 Protection of Underground Water Tank Using.

- a. **Modified Acrylic Polymeric Waterproofing Coating Followed By Food Grade Epoxy Coating Internally.**

Modified Acrylic Polymeric Waterproofing Coating Externally. Need for protection of Underground water tank

Underground water tank is a water retaining body that holds high volume of drinking and potable water within a tank made of RCC. Thus, making RCC and reinforced steel directly exposed to the ingress of water continuously at a very high hydrostatic pressure.

Thus it is important that the concrete wall and reinforced steel rebars are protected from direct effect of water ingress that may cause corrosion of rebars and reduction in strength of concrete.

In order to protect the reinforced steel rebars, it is not possible to make ideal concrete with zero permeability and microstructures that can take care of the reinforcement contained in it to great extent. Further the inherent long term drying shrinkage and micro cracks in concrete, the problems become more serious. This demands certain other measures to control the corrosion of steel reinforcement

Therefore, recommends **migratory corrosion inhibiting admixtures** which are directly dosed into the concrete in order to protect the steel from corrosion. These admixtures are simply to be admixed into green concrete and react with the steel to form a permanent, protective chemical coating and are documented to increase the service life of marine structures by 35-45+ years.

Their use has been documented in several NACE (National Association of Corrosion Engineers) research papers since the early 1970's. This technology has about a 50+ year track record as being one of the most effective and cost effective corrosion prevention technology for RCC structures.

Also, for the protection of concrete walls, recommends coating the wall internally with **modified acrylic polymeric waterproofing coating** followed by **Food grade epoxy** and externally with **modified acrylic polymeric waterproofing coating**.

Food grade epoxy not only protects the concrete but is also highly safe for drinking water. And waterproofing the UG wall externally using modified acrylic polymeric waterproofing coating prevents the ingress of chlorides and other contaminants from the soil increasing the service life of the structure.

- b. **Bipolar Migratory Corrosion Inhibiting Admixture for protection of reinforcement steel in UG water tank from corrosion grade epoxy coating on internal walls of UG water tank**

- i. **Cleaning and Surface Preparation:**

Clean the RCC surface of all loose particles, dust, cement laitance etc. preferably done using floor polishing machine or any other mechanical tools. Surface preparation is of prime importance as the degree of performance of the coating is directly proportional to the extent of cleaning.

Identify the cracks, construction joints, honeycombed areas etc. on the RCC surface.

Injection grouting shall be done at construction joints with providing and injection non shrink cementations grout by mixing – 2 pouches (330 gms. Each) of shrinkage compensating expanding waterproofing admixture and 50 kgs of cement and sufficient water for flow ability, Grouting the same under pressure in pre-drilled holes by grouting pump etc. After grouting is completed after 24 hours, cut the nipples and seal it with PMM.

ii. Coving at Junction Of Wall And Slab.

Prepare a side vata at the junction of RCC slab and wall with Polymer modified mortar prepared by mixing 1 kg Polymer mortar modifier, 5 kg cement and 15 kg sand and water as per consistency.

iii. Providing Modified Acrylic Polymeric Waterproofing Cementitious Coating

Dampen the surface with water before application of waterproofing coating. Provide and apply two coats of highly flexible modified acrylic polymeric waterproofing cementitious coating mixed with cement in the ratio 1:1 (by wt.) conforming to DIN 1048. Mix the two materials using a mechanical stirrer.

Apply the two coats at 12-24 hours interval. Air cure for 24 hrs.

iv. Application of Solvent Based High Build Food Grade Epoxy Coating

Check moisture content of surface using moisture meter. Moisture content should be below 4%. If not allow it to dry naturally.

Apply two pack, non-toxic, solvent based high build food grade epoxy coating over the already dried surface.

Mix Part-A and Part-B in 5:1 (part A:part B) ratio in a clean container. Mix both the parts using a slow speed mechanical stirrer to attain uniform consistency.

Apply coating of solvent based high build food grade epoxy coating using soft paint brush or air spray. Ensure coating is pin holes free by inspecting with magnifying lens.

Apply two coats of solvent based high build food grade epoxy coating at 24 hours interval after first coat, inspecting each coat for defects and pinholes with a magnifying glass.

Take all necessary safety precautions during handling and application.

c. Providing and applying modified acrylic polymeric cementations flexible waterproofing coating to UG water tank externally.

Clean the existing RCC surface of all loose particles, dust, cement laitance etc. preferably done using mechanical means etc.

Inspect for construction joints, cracks, honeycombs etc. if any grout the same with non shrink cementitious grout by admixing 2 pouches of shrinkage compensating waterproofing admixture 330 gms pouch per 50 kg bag of cement. Add water for consistency.

Grout this slurry under pressure into these nipples and after 24 hrs cut the nipple and seal them with Polymer modified mortar.

Prepare a side vata at the junction of RCC slab and wall with Polymer modified mortar prepared by mixing 1 kg, Polymer mortar modifier, 5 kg cement and 15 kg sand and water as per consistency.

Seal RCC and pipe cutouts using Polymer Modified Mortar as above.

Dampen the surface with water before application of waterproofing coating. Provide and apply two coats of modified acrylic highly flexible polymeric waterproofing cementations coating of mixed with cement in the ratio 1:1 (by wt.) conforming to DIN 1048. Mix the two materials using a mechanical stirrer.

Apply the two coats at 12-24 hours interval. Air cure for 24 hrs and sprinkle cure for 24-48 hrs.

Protect this coating using average 15-20 mm thick waterproof screed admixed with (330 gms per bag of cement) – shrinkage compensating waterproofing admixture followed by final finish.

It is recommended to admix the shrinkage compensating waterproofing admixture in plaster to minimize the shrinkage cracks.

12.5 Protection of Substructure water reservoirs/UG sumps

a. Bipolar corrosion inhibiting admixture in concrete for protection of reinforced steel from corrosion

Admix polydentate, bipolar, migratory, integral, non-nitrite base concrete penetrating corrosion inhibiting admixture at a dosage of 3 Kg per cu. m. of concrete as per manufacturers specification. Inhibitor should conforms to following: –

- i. ASTM G-109-2005- Long term corrosion test resulting in a corrosion rate of zero coulombs when tested from a research institution NBA accredited Grade A and internationally ranked among top 5 research institutions in the world in Annual Survey conducted by Georgia Institute of Technology, ranking of research institutions.
- ii. JIS Z 1535- Accelerated corrosion test showing significant reduction in corrosion using the admixture.
- iii. ASTM G1- Immersion test for 720 hrs indicating rebar weight loss less than 5 mpy.

- iv. ASTM G3- Polarization test by Tafel test indicating Rebar weight loss of less than 5 mpy.
- v. IS 9103-2005- No Adverse effect on Compressive strength of concrete with POLYALK CP 293 admixed at 3 Kg/cu.m.
- vi. pH- Highly Alkaline 10-12.
- vii. Specific Gravity- 0.99-1.10.

b. Inhibitor should also have following advance properties:-

- i. Blend of migratory, long chain, multifunctional corrosion inhibitors that work on advanced chelating mechanism to form polydentate bonds with steel
- ii. Bipolar protection to steel both on cathodic as well as anodic site
- iii. Non- nitrite based
- iv. No adverse effect on concrete properties

This may be established through laboratory test results from independent laboratory NBA accredited Grade A and internationally ranked among top 5 research institutions in the world in Annual Survey conducted by Georgia Institute of Technology, ranking of research institutions.

a. Modified acrylic polymeric waterproofing coating followed by Food Grade Epoxy coating for internal walls

Clean the RCC slab surface & wall for treatment by removing dust, dirt, loose cement laitance and layers of concrete over the surface etc. by mechanical tools. Injection grouting at construction joints with providing and injection non-shrink cementations grout by mixing – 2 pouches (330 gms. Each) of shrinkage compensating expanding waterproofing grout admixture and 50 kgs of cement and sufficient water for flow ability, grouting the same under pressure in pre-drilled holes by grouting pump etc. After grouting is completed after 24 hours, cut the nipples and seal it with PMM. Preparing coving at junction of slab and wall using PMM. Dampen the surface with water before application of highly flexible, milky white, non SBR based, acrylic polymeric cementitious coating which conforms to zero permeability as per DIN 1048 for 7 bars of water pressure. Providing and applying two coats of polymeric waterproofing coating mixed with cement. After proper surface preparations apply two coats of highly flexible polymeric coating by mixing in 1:1 ratio (by wt) with cement. Mix it using mechanical stirrer. Apply two coats at an interval of min 12-24 hrs between each coat as per manufacturer's specifications. Allow

the coating to air cure for 24 hours Check moisture content of surface using moisture meter. Moisture content should be below 4%. Applying TWO coats of two pack, solvent based high build food grade epoxy coating conforming to ASTM B 117 over the already dried surface.

Mix Part-A and Part-B in 5:1 (part A: part B) ratio in a clean container. Mixing should be done using a slow speed mechanical stirrer to attain uniform consistency. Rates include surface preparation, cleaning and applying two coat waterproofing coat + 2 coats food grade epoxy coat etc. Complete.

e) Appendix-I: ESTABLISHING SITE LABORATORY AND TESTING OF MATERIALS

Equipment for conducting necessary tests (as per CPWD Specifications 2019 Volume-I&II) shall be provided and installed at site in the well-furnished site laboratory by the agency at his own cost, as and when required. The following laboratory equipment should be in general or as and when required be set up at site laboratory: -

S No	Equipment	Numbers/ As required
1.	100 MT compression testing machine, electrical-cum- manually operated)	1
2.	Slump cone, steel plate, tamping rod, steel scale, scoop	6
3.	Vicat Apparatus with Desk pot	3
4.	Megger & earth resistance tester	3
5.	Pumps and pressure gauges for hydraulic testing of pressure	3
6.	Weighing scale platform type 100 Kg capacity	3
7.	Graduated glass measuring cylinder	As per requirement
8.	Sets of sieves of 450 mm internal dia for coarse aggregate [100mm, 80mm, 40mm; 2mm; 12.5mm, 10mm; 4.75mm complete with lid and pan	3
9.	Sets of sieves of 20mm internal dia for fine aggregate [4.75mm; 2.36mm; 1.18mm; 600 microns; 300 microns & 150 microns, with lid and pan]	3
10.	Sieve Brushes and sieve shaker capable of 20mm and 300mm dia sieves, manually operated with timing switch assembly	5
11.	Cube moulds size 70mmx70mmx70mm	30
12.	Cube moulds size 150 mm x 150 mm x 150mm	60
13.	Ultrasonic Test Equipment (For concrete)	3
14.	Hot air oven temp. Range 50°C to 300°C- sensitivity 1 degree	3
15.	Electronic balance 600gx0.1g., 10kg and 50 kg	3
16.	Physical balance weight up to 5 kg	3

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17.	Digital thermometer up to 150oc	3
18.	Air Content of concrete testing machine	3
19.	Measuring jars 100ml, 20ml, 500ml	3 No. each
20.	Gauging trowels 100mm & 20mm with wooden handle	12
21.	Spatula 100mm & 20mm with long blade wooden handle	12
22.	Vernier calipers 12" & 6" size	3 each
23.	Digital PH meter least count 0.01mm	3 each
24.	Digital Micrometer least count. 0.01mm	3 each
25.	Digital paint thickness meter for steel 500 microns Range	3
26.	GI tray 600x450x50mm, 450 300x40mm, 300x250x40mm	3 Nos. each
27.	Electric Motor mixer 0.25 cum capacity	3
28.	Rebound hammer test digital rebound hammer	3
29.	Screw gauge 0.1mm-10mm, least count 0.05	3
30.	Water testing kit	3
31.	Motorized sieve shaker	3
32.	Pruning Rods 2 Kg weight length 40 cm and ramming face 25 mm ²	3
33.	Extra Bottom plates for 15 cm cube mould	21
34.	Standard Vibration Table for gauging the cubes	3
35.	Pocket concrete penetrometer 0 to 50kg/ sq.cm	3
36.	Concrete temperature measuring thermometer with Brass protection sheath 0- 100 degree centigrade	3
37.	Mortar Cube Vibrator	3
38.	Dial type spring balance preferable with zero correction knob capacity 100 kgs. reading to ½ kg	2
39.	Counter scale capacity 1 kg and 10 kg	2
40.	Iron Weight of 5 kg, 2 kg, 1 kg, 500 gm, 20 gm, 100 gm	2 each
41.	Brass Weight of 50 gm, 2 gm, 10 gm, 5 gm, 2 gm, 1 gm	2 each
42.	Measuring cylinder TPX or Poly propylene capacity 100 ml, 500 ml, 250 ml, 100 ml	2 each
43.	Pyrex, corning or Borosil beakers with cover capacity 500ml, 20 ml,	3 each

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	50 ml	
44.	Wash Bottles capacity 500 ml	12
45.	Thermometers 1-100 degree centigrade / max. and Min/Dry and wet with table	6
46.	Set of box spanner ratchet	3
47.	Hammer 1lb& 2lb	3 each
48.	Distance meter (of 100 meter)	2
49.	Hacksaw with 6 blades	4
50.	Measuring tape (5 meter)	10
51.	Depth gauge 2 cm	6
52.	Shovels & Spade	6
53.	Steel plates 5 mm thick 75x75 cm	6
54.	Plastic or G.I. Buckets 15 liter, 10 liters,5 liter	3 each
55.	Wheelbarrow	12
56.	Floor Brushes, hair dusters, scrappers, wire brush, paint brushes, shutter steel plat oil, kerosene with stoveetc.	12 each
57.	Any other equipment for site tests as outlined in BIS codes and as directed by the APMCF /SBI.	As per site requirement

Appendix-II :PLANT AND EQUIPMENT REQUIRED TO BE OWNED / TAKEN ON LEASE BY THE CONTRACTOR

Sl.No.	Equipment	Tentative Numbers
1	Builder's hoist	7/ As Required
2	Centralized concrete batch mix plant of capacity 60 cumper hour (fully automatic with computer control)	1/ As Required
3	Excavator cum loader (JCB 3D model or equivalent)	2/ As Required
4	Compressor machine minimum 20 CFM with rock Breaker	5/ As Required
5	DG set of minimum capacities of 62.5 KVA.	As per requirement
6	Mini batching plant (6 cum./hr.).	2/ As Required
7	Transit mixers.	As per requirement
8	Concrete pump.	3/ As Required
9	Boom lifter	7/ As Required
10	Needle Vibrators.	6/ As Required
11	Screed leveler.	6/ As Required
12	Plate Vibrator.	6/ As Required
13	Automatic Ring making machine (Reinforcement).	2/ As Required
14	Dumper / Tripper.	6/ As Required
15	Reinforcement bending machine.	3/ As Required
16	Reinforcement cutting machine.	6/ As Required
17	Power driven earth rammer (Soil Computer).	2/ As Required
18	Total Station Machine.	2/ As Required
19	Water tanker (Minimum capacity of 5000 liters)	5/ As Required
20	Welding machine 400 Ampere.	5/ As Required
21	Screener for coarse sand and fine sand.	6/ As Required
22	Centrifugal mono block water pump minimum capacity 2HP.	6/ As Required

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23	Road roller 8 to 10 tons.	2/ As Required
24	Vibratory roller.	2/ As Required
25	Drilling machine.	As per requirement
26	Double H Frame MS scaffolding and staging materials.	4000 Sq.mt./ As Required
27	Air compressor.	6 Nos/ As Required
28	Floor grinding / polishing machines.	6 Nos/ As Required
29	Granite cutting machine.	6 Nos/ As Required
30	Ceramic tile cutting machine.	12 Nos/ As Required
31	Granite polishing machine.	6 Nos/ As Required
32	Granite hand polishing machine.	12 Nos/ As Required
33	Mobile tower crane.	2 Nos/ As Required
34	Tower Crane with necessary covering length /Area required for the Construction of Twin Towers	1 Nos/As Required
35	Any other machinery required for completion of the work as per decision of APMCF /SBI.	As per actual requirement
36	Officers inspection Lift	One per tower
37	Pile foundation machinery	As per requirement
38	Shuttering for Residential building	As per requirement

Note: The above list is only indicative and not exhaustive. However, quantity may be optimized commensurate to progress of work with the approval of APMCF /SBI.

LIST OF MATERIALS OF APPROVED BRAND AND THEIR MANUFACTURES**LIST OF MATERIALS FOR CIVIL WORKS**

The materials, accessories, fittings, etc. be used in the civil, Electrical, plumbing machinery, and lift installation work, shall be one of the following particular make or equivalent IS Make. The direction of selection of any particular make shall be rest with APMCF/SBI.

LIST OF APPROVED VENDORS / MANUFACTURER'S

SL.No.	Description of Material	Approved Make /Manufacturers
1.	Reinforcement Steel (HDSD TMT)	TATA, SAIL, JSW
2.	Cement OPC Cement PPC	Ultratech, ACC, J K ,Birla, Jaypee,
3.	White Cement	JK, Birla, Jaypee or equivalent
4.	Structural steel-MS Plates	TATA , SAIL , JINDAL ,RNIL,ESSAR
5.	Structural steel-Tubular sections/RHS/SHS/CHS	SAIL , JINDAL ,RNIL ,APL-APOLLO
6.	Stainless steel	SAIL,JINDAL,TATA or equivalent
7.	Ply/Board/MDF	Archidply,Duro, Engineer, Merino, Greenlam, Sonear, Eureka
8.	Flush doors	Duro, Century, Archidply,Engineer, Eureka Merino
9.	Toilet cubicle/Urinal partition	Merino, Greenlam ,
10.	Glass Mirror / Lacquered glass	Saint Gobain, Asahi, Modi, Pilkington,
11.	Fire rated glass/Partition	Saint Gobain, Pilkington, Asahi, Glaverbal, Glass Troesch
12.	Hardware Fittings like: Patch fitting, Glass door handle, floor spring.	Dorma, Assaabloy or equivalent
13.	Hardware fitting for Flush doors	Dorma, Assaabloy, Ozone or equivalent
14.	Wooden/Metal Fire rated doors	Navair International Pvt. Limited, Cactus, Hercules doors, Kuttys, Sarda Plywood Industries Ltd. Shakti Horman or equivalent
15.	Modular Glass Partition/Doors	Jeb, Bene, Dorma or equivalent

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16.	Veneer and laminate	Green, Duro, Merino, Engineer, Centuryply, Eureka, Sonear, Archidply
17.	Paver blocks	Chelsea, Shiva, Ultra,
18.	Water proofing	MYK ARMENT, Thermax Ltd, Choksi chemicals, BASF, Suprema, W. R. Grace
19.	Vitrified Tiles	Orientbell, Somany, Johnson, Kajaria, Nitco
20.	Ceramic glazed tiles	Orientbell, Somany, Johnson, Kajaria, Nitco
21.	Vinyl flooring	Merino, Gerflor, LG hausys, Mohawk,
22.	Carpet	Millikon/Mohawk/ Tarkett/ Sumione or equivalent
23.	Plastic emulsion/ Texture paint	Oikos, Asian paints, Acro paint, Berger, Johnson and Nicholson or equivalent
24.	Fire Rated Paint	Asian paints/Berger Paint/Nerolac/Jotun
25.	Gypsum board/ Moisture resistance board False ceiling	BSR Calsi ceiling, Saint gobian Gyproc,USG Boral or equivalent,
26.	ZINC paneling/ LOUVERS	VMZinc, Aldecor, HALCOR/ IEQSA or equivalent
27.	Toilet cubicle/Urinal partition	Merino, Greenlam or equivalent
28.	Silicon Sealant	ALSTONE, 3M, Dow corning /Sikka / Wacker / GE or equivalent
29.	Stacked Car Parking System	RR Parkon, Wohr, SiegerParking ,Pari,Tedra or equivalent
30.	Canopy/skylight Patch fittings/ spider fittings	OZONE/ Dorma or approved equivalent
31.	Mural designer / manufacturer	As per Architect direction
32.	ACP/ ACHPL/ HPL	REYNOARCH, ALUDECOR, ALPOLIC, ALCOPLA, RENOBOND FRANCH
33.	UPVC Door Window	Aluplast, Fenesta, Schueco, inglaze(encraft), window magic, shankar glass, duroplast
34.	Kitchen Equipment	Relief , Jindal , Aster
35.	Glass automatic doors	Dorma, Assaabloy or approved equivalent
36.	Glass Bricks	Transparent & Translucent As Approved
37.	GRC	Unistone GRC/ Birla GRC

38	WPC DOORS FRAME	ARCHIDPLY, ALSTONE, ALUPLAST
39	Glass stainless steel railing	OZONE, HAFELE, DORMA
40	Structural glazing	Axsys solutions, Alufit, permastelisa, Shankar glass
41	LIFT	TK ELEVATOR, OTIS, SCHINDLER

NOTE:

1. If the approved brands mentioned above are not available, equivalent make as may be approved by the Architects/ Engineer only to be used for the work.

LIST OF APPROVED MAKES FOR PLUMBING EQUIPMENT & MATERIALS

1.	Vitreous China Sanitary ware	EURONICS/ HINDWARE / JAQUAR / KOHLER
2.	Concealed Cistern	EURONICS/ HINDWARE / JAQUAR / KOHLER
3.	Plastic W.C. seats Covers	HINDWARE / JAQUAR / KOHLER
4.	Stainless Steel Sinks	JAYNA/ STAR/ VIJAY SANITARY
5.	Wash basin Sensor	EURONICS/ HINDWARE / JAQUAR / KOHLER
6.	Health faucets	EURONICS/ HINDWARE / JAQUAR / KOHLER
7.	Towel Dispenser	EURONICS/ JAQUAR / KOHLER
8.	Coat Hooks	EURONICS/ HINDWARE / JAQUAR / KOHLER
9.	AUTO SOAP Dispenser	EURONICS/ JAQUAR / KOHLER
10.	Angle Valve	EURONICS/ HINDWARE / JAQUAR / KOHLER
11.	Towel Ring	EURONICS/ HINDWARE / JAQUAR / KOHLER
12.	Bib Cock	EURONICS/ HINDWARE / JAQUAR / KOHLER
13.	Handicap Grab	EURONICS/ JAQUAR / KOHLER
14.	Air Purifier	EURONICS/ JAQUAR / KOHLER
15.	Bottle Trap	EURONICS/ HINDWARE / JAQUAR / KOHLER
16.	Kitchen Mixer	EURONICS/ HINDWARE / JAQUAR / KOHLER
17.	Hand Drier	EURONICS / JAQUAR / KOHLER
18.	Rubber Insulation	ARMAFLEX/ VIDEOFLEX
19.	Cpvc pipes/fittings	HINDWARE TRUFLO / PRINCE/ ASHIRWAD
20.	G.I. Pipes /M.S. Pipes IS 1239/3589	JINDAL HISSAR / TATA / PRAKASH SURYA
21.	SS 316L pipes/fittings	VSH / PEGLER / KAN-therm
22.	G.I. Fittings (Malleable cast iron)	DRP-M/UNIK / ZOLOTO
23.	Upvc pipes & Fittings	HINDWARE TRUFLO / FINOLEX/ ASHIRWAD
24.	CI Pipe pipes & Fittings.	NECO / HAPCO / RPMF

Construction of Multi-Storey Building for SBI at Deoghar for various outfits

25.	S.S. Hinged Grating	CHILLY / JAYNA / VIJAY SANITARY
26.	Check Valves (Dual Slim type)	AIP / ZOLOTO / SANT / DRP
27.	Butterfly Valve	AIP / ZOLOTO / SANT / DRP
28.	Ball valves (15 to 40mm)	AIP / ZOLOTO / SANT / DRP
29.	Gate Valve	AIP / ZOLOTO / SANT / DRP
30.	Gunmetal valve (full way valve) Class-I	AIP / ZOLOTO / SANT / DRP
31.	C.I. double flanged sluice valve	KIRLOSKAR / SHIVA-DURGA
32.	Diaphragm Valve	As approved by water treatment manufacturer's
33.	Foot Valve	AIP / ZOLOTO / SANT / DRP
34.	Pressure Reducing Valve (PRVs)	AIP / ZOLOTO / SANT / DRP
35.	UPVC Foamcore pipes (SN 6)	PRINCE/ ASHIRWAD / ASTRAL
36.	RCC Pipes IS:458	OMJI / SHRERAM CONCRETE SRCP
37.	FRP Manhole cover & frame and FRP Grating	GW Drain / Strong Drain / FIBER ONE
38.	SFRC Manhole COVERS ETC	OMJI / SHRERAM CONCRETE SRCP / KK
39.	Anti corrosive tape for pipe protection	PYPKOTE/MAKPOLYKOTE
40.	Garden Irrigation System	JAIN/HARVEL
41.	Anticorrosive Bitumastic Paint	ISI
42.	Epoxy Paint	ISI
43.	Hydro-Pneumatic System	
I	Pumps	KSB / XYLAM / GRUNDFOSS / LUBI
li	PLC	AS PER MANUFACTURERS SPEC'S
lii	Pressure Vessel	AS PER MANUFACTURERS SPEC'S
Iv	Pressure Sensor	AS PER MANUFACTURERS SPEC'S
44.	Clear Water Pumps	KSB / XYLAM / GRUNDFOSS / LUBI
45.	Submersible Drainage Pumps	KSB/ XYLAM / GRUNDFOSS / LUBI
46.	Filter/Softener	PS Aqua /BRISANZIA /ION EXCHANGE/PENTAIR
47.	PH Meter	VATS/ HANNA (Italy)
48.	Water Meter	KAYCEE/ KENT
49.	Electrical Switchgear & Starters	L&T OR EQUIVALENT
50.	Cable Trays	SLOTCO OR EQUIVALENT
51.	1100 Volt Grade XLPE Cables	ISI
52.	PVC Insulated Copper Wires	ISI
53.	Lugs (Tinned Copper)	EQUIVALENT
54..	Power Aux. Contactors	EQUIVALENT
55	Vibration Eliminator Pads & Connections	RESISTOFLEX
56.	Suction Strainer/Pot Strainer	VENUS/LEADER/EMERALD/ZOLOTO
57.	Meters, Indication Lamp	ENERCON OR EQUIVALENT
58.	Forged Steel Fittings	DRP / VS / ZOLOTO
59.	Pressure Gauge	FIEBIG/GURU

Signature & Seal of Contractor

60.	Measuring Instruments	EQUIVALENT
61.	Electrical Panels	IMPACT ENGINEERS/ELEGANT
62.	Air Admittance valves	STUDOR/Mc ALPINE
63.	Automatic Air Vent	DANFOSS/ IBP
64.	Water level indicator & controller	ITAL/ TECHNIKA
65.	Pipe Clamps / Hangers / Support	CAMRY/ CHILLY
66.	Clamps & Support	CAMRY/ CHILLY
67.	Paint	SHALIMAR/ ASIAN
68.	Solar Water Heater	ARINNA/RACOLD/EMVEE
79.	STP Plant	GRANNUS WATER / BRISANZIA /ION EXCHANGE / PS Aqua
80.	Heat Pump	ILIOS/ENSYS / AO SMITH

<u>LIST OF APPROVED MAKES FOR EQUIPMENT & MATERIALS</u>		
S.NO.	DETAILS OF MATERIALS / EQUIPMENT	MANUFACTURER'S NAME
A.	MEDIUM VOLTAGE EQUIPMENT	
1	11/0.433KV PACKAGE SUBTATION WITH CRT TRANSFORMER	SCHNEIDER-SUDHIR / ABB / VOLTAMP
2	11/0.433KV PACKAGE SUBTATION WITH OIL TRANSFORMER	SCHNEIDER-SUDHIR / CG / VOLTAMP
3	11/0.433KV OIL TRANSFORMER (IS-1180 LEVEL-II WITH LATEST AMEDEMMENT AS PER ECBC)	SCHNEIDER / CG / VOLTAMP / UNIVERSAL
4	11/0.433KV DRYTYPE TRANSFORMER (IS-11171 LEVEL-II WITH LATEST AMEDEMMENT AS PER ECBC)	SCHNEIDER / CG / VOLTAMP / UNIVERSAL
5	HT BREAKER	SCHNEIDER / ABB / SUDHIR-SCHNEIDER
6	RMU PANEL	SCHNEIDER-SUDHIR / ABB-SAFE PLUS
7	HT VCB PANEL	CG / SCHNEIDER / ABB/SPC ELECTROTECH PVT LTD
8	MASTER TRIP & AUX RELAY	SCHNEIDER / ABB / SIEMENS
B.	LOW VOLTAGE EQUIPMENT	

1	LT PANEL , MAIN DISTRIBUTION PANEL, SUB-MAIN DISTRIBUTION PANEL AND MOTOR CONTROL CENTRE	RP ELECTRICALS / NEPTUNE / ADLEC/SPC ELECTROTECH PVT LTD
2	TTA / PTTA PANELS	Schneider- Blok set, ABB MNS, Siemens Siepan, Legrand XL3-DO
3	FINAL DISTRIBUTION BOARD	SCHNEIDER / HAGER / LEGRAND
4	MOULDED CASE CIRCUIT BREAKER (MCCB)	SCHNEIDER / HAGER / LEGRAND/ABB -TMAX XT
5	MOTOR PROTECTION CIRCUIT BREAKER(MPCB)	SCHNEIDER / HAGER / LEGRAND/ABB
6	MINIATURE CIRCUIT BREAKERS (MCB)	SCHNEIDER / HAGER / LEGRAND/ABB
7	RESIDUAL CURRENT CIRCUIT BREAKER (RCCB) / ELCB	SCHNEIDER / HAGER / LEGRAND/ABB
8	POWER/AUX. CONTACTOR / CAPACITOR DUTY CONTACTOR	SCHNEIDER / HAGER / LEGRAND/ABB
9	MPP CAPACITORS	SCHNEIDER / NEPTUNE / SIEMENS
10	CHANGE OVER SWITCH	LARSEN & TOUBRO C & S / HPL – SOCOMEC/ABB
11	CONTROL TRANSFORMER/POTENTIAL TRANSFORMERS	PREICSE / PRAGATI / KAPPA / AUTOMATIC ELECTRIC
12	CURRENT TRANSFORMER (EPOXY CAST RESIN)	PREICSE / PRAGATI / KAPPA / AUTOMATIC ELECTRIC
13	PROTECTION RELAY	
	A. NUMERIC TYPE	ABB / AREVA / L&T
	B. ELECTROMAGNETIC TYPE	AREVA / L&T
14	INDICATING LAMPS LED TYPE AND PUSH BUTTON	L & T (ESBEE) / SCHNEIDER / SIEMENS/ABB
15	OVERLOAD RELAYS WITH BUILT IN SINGLE PHASE PREVENTER	L & T (ESBEE) / SCHNEIDER / SIEMENS
16	ELECTRONIC DIGITAL METERS (A/V/PF/HZ/KW/KWH) WITH LED DISPLAY	ELMEASURE / SCHNIEDER-CONZERV / SECURE / NEPTUNE/ABB
17	PVC INSULATED XLPE ALUMINIUM/COPPER CONDUCTOR ARMoured MV CABLES UPTO 1100 V GRADE	POLYCAB / HAVELLS/FINOLEX/RR KABLES
18	LT JOINTING KIT / TERMINATION	BIRLA-3M / RAYCHEM / REPL
19	LT JOINTING KIT / TERMINATION	BIRLA-3M / RAYCHEM / REPL

20	BIMETTALIC CABLE LUG	COMET / DOWELL'S HAX BRASS
21	PVC INSULATED COPPER CONDUCTOR STRANDED FLEXIBLE WIRES FRLSH	POLYCAB / RR KABEL / BONTON
22	METTALIC / GI CONDUIT (ISI APPROVED)	AKG / BEC / NIC
23	LEAD COATED FLEXIBLE GI CONDUIT	PLICA INDIA PVT. LTD. / FLEXICON
24	PVC CONDUIT & ACCESSORIES (ISI APPROVED)	AKG / POLYPACK / BEC
25	INDUSTRIAL SOCKET	
	A. SPLASH PROOF	LEGRAND / NEPTUNE BALS / SCHNEIDER ELECTRIC
	B. METAL CLAD	BCH / MDS
26	SWITCH & SOCKET	SCHNEIDER / LEGRAND / NORIYSIS/ABB
27	CEILING FAN	HAVELLS / CROMPTON GREAVES / ORIENT
28	LIGHTING FXITURE	
	A. INCANDESCENT / HALOGEN / PL / METAL HALIDE) / FLUORESCENT	AS PER ARCHITECT/CLIENT / AS PER LIST OF APPROVED MAKES WITH LIGHTING BOQ
27	ELECTRONIC BALLAST FOR FLUORESCENT (TO BE SELECTED AS PER FIXTURES' MANUFACTURER)	
28	SELECTOR SWITCH, TOGGLE SWITCH	KAYCEE / SALZER (L&T)
29	CABLE TRAYS (FACTORY FABRICATED) / RACEWAYS	STEELWAYS / RICCO STEEL / SLOTCO/SPC ELECTROTECH PVT LTD
30	SEALED MAINTENANCE FREE BATTERIES	AMARAJA / EXIDE / ROCKET
31	BATTERY CHARGER	CALDYNE / VOLSTAT
32	INVERTOR	SUKAM / EATON / LUMINOUS
33	ONLINE UPS	NUMERIC / EATON / APC / ABB
34	TIMER	HAGER / LEGRAND / SCHNEIDER
35	50 W HALOGEN LIGHT TRANSFORMER (ENCAPSULATED TRANSFORMER)	GEMINI GLOBAL / OPAL / PHILIPS / REIZ
36	TAP OFF / SPLITTERS COMPLETE WITH GASKETED G.I. BOXES	CATVISION CE / DX / VISION HIRE
C.	<u>FIRE ALARM SYSTEM (EN)</u>	
1	SMOKE DETECTORS	MORLAY / NOTOFIER / EDWARDS
2	HEAT DETECTORS	MORLAY / NOTOFIER / EDWARDS

3	CONTROL MODULES / MONITOR MODULES / FAULT ISOLATORS	MORLAY / NOTOFIER / EDWARDS
4	MAIN CONTROL PANEL	MORLAY / NOTOFIER / EDWARDS
5	MANUAL CALL STATIONS / HOOTERS	MORLAY / NOTOFIER / EDWARDS
6	SEALED MAINTENANCE FREE BATTERIES	EXIDE / ROCKET
D.	<u>TELEPHONE / DATA</u>	
1	IPABX	ALCATEL / MATRIX
2	TELEPHONE ARMoured / UNARMoured CABLE / WIRE	DELTON / FINOLEX / POLYCAB
3	COAXIAL CABLE	BELDON / COMM-SCOPE
4	NETWORK CABLES	AMF / MOLEX / LEGRAND
5	MDF / TTB	KRONE / PANASONIC
6	NETWORK SWITCHES (POE & NON POE)	ALCATEL / CISCO / ARUBA
7	LAYER 2 & 3 NETWORK SWITCHES (POE & NON POE)	ALCATEL / CISCO / ARUBA
8	FIREWALL	CISCO /
E.	CCTV	HONEYWELL / BOSCH
F.	DIESEL GENSET (ENGINE)	CUMMINS / KIRLOSKAR / GREAVES
	DIESEL GENSET (ALTERNATOR)	STAMFORD / GREAVES
G.	CHECMICAL EARTHING	JMV / ASHLOK / OBO
H.	SERVO VOLTAGE STABILIZER (OIL COOLED)	JINDAL ELECTRIC / KRYKARD
I	BOOM BARRIER	WISEGO/NEPTUNE / APRIMATIC/
Notes :		
1	Panel shall be powder coated of approved shade with minimum 60 micron thickness.	
2	Type of capacitor in place of dry type, MPP technology may be used.	
3	MCCB's in one particular panel shall be of one similar make.	
4	Size of Voltmeter/Ammeter for incomer also 96mm x 96mm, flush mounted with shrouded terminals shall be used in the panel.	

5	In Main LT Panel, MCCB incomer for Main Power Supply feeder shall have O/C, O/V, U/V, S/C & E/F release required as per BOQ.
6	In Main LT Panel only one make of MCCB/MCB shall be used for 4 Pole & 3 Pole arrangement.
7	For Main LT panel bus bar size shall be 1sqmm = 0.8amp for each phase and neutral.
8	All MCCB shall be fixed base type mountig and MCCB's shall be vertically mounted with rotary type operating handles.
9	Bus bar chamber shall be kept at top/bottom of the all panels as per the site.
10	All bus bar shall be insulated with coloured PVC Sleeve i.e. RYB, BK as per colour code. CPRI test report of Bus Bars of panel shall be submitted.
11	Internal Wiring of the Panel shall be with size 2.5 mm ² FRLSH Flexible Copper Conducutor for CT circuit and control wiring with 2.5mm.
12	Incase the make mentioned above are not available than contratcor has to take the approval from architect / consultant / bank authorities for the suggested make before commencing the work.

FIREFIGHTING APPROVED MAKE

S.N	Name Of Items	Make
1.	"C" Class Pipe (MS/GI)	Jindal Hissar /TATA/Prakash Surya
2.	FORGED FITTINGS	DRP/VS / UNIK
3.	2/3/4 WAY SUCTION/COLLECTION HEAD	SAFEGUARD / NEWAGE/ LIFE GUARD / FIRE SHIELD
4.	GUN METAL VALVES	LEADER/SANT/ZOOTO/ NEW
5.	MS/CI VALVES	SANT/ZOOTO /IVC OR EQUIVALENT
6.	FIRE HYDRANT VALVES	SAFEGUARD / NEWAGE/ FIRE SHIELD / LIFE GUARD
7.	INLET BREACHINGS/BRANCH PIPE	SAFEGUARD / NEWAGE/ FIRE SHIELD / LIFE GUARD
8.	FIREHOSEPIPE/RUBBERPIP E FOR HOSE REEL	SAFEGUARD / NEWAGE/ FIRE SHIELD / LIFE GUARD
9.	SPRINKLERS (ALL TYPES INCLUDING ROSETTE PLATES)	VICTAULIC / TYCO / VIKING
10.	FIRST AID FIRE HOSE REELS(IS CODE 884)	SAFEGUARD / NEWAGE/ FIRE SHIELD / LIFE GUARD
11.	RRL HOSE (IS636)	SAFEGUARD / NEWAGE/ FIRE SHIELD / LIFE GUARD
12.	BUTTERFLY VALVES	AUDCO/ZOOTO/SANT/ DRP
13.	WATER TYPE NON RETURN VALVES	ADVANCE/INTERVALVE/ZOOTO/SANT
14.	C.I.DOUBLE FLANGED NRV (IS CODE 780)	AUDCO/LEADER/ZOOTO/SANT

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15.	GATE VALVES	LEADER/ZOOTO/SANT/ NEW
16.	SPRAY NOZZLE	HD/AAAG OR EQUIVALENT
17.	BALL VALVE	AUDCO/ZOOTO/ NEW / SANT
18.	VIBRATION ISOLATOR	RESISTOFLEX/DUNLOP/KANWAL/GERB/FLEN
19.	FIRE PUMPS	MATHER + PLATT /KIRLOSKAR /KSB / LUBI
20.	PRESSURE SWITCH	INDFOSS/SWITZER/WAREE
21.	PRESSURE GAUGE	FEIBIG/EMERALD/H GURU/FORBE MARSHAL
22.	EXPANSION /	CANNON/FISHER/HILTI/BOSCH/TKS
23.	WELDING RODS	ADANI/L&T/MARUTI OR EQUIVALENT
24.	RUBBER GASKET	CIC/VARUNA/OR EQUIVALENT
25.	HOSE DRUM	SAFEGUARD / NEWAGE/SPAGO/ LIFE GUARD
26.	MECHANICAL SEAL	SEALOL/DURAMETALLIC OR EQUIVALENT
27.	STRAINER	ZOOTO/ AUDCO /SANT
28.	WATER FLOW SWITCHES	SWITZER/SYSTEM SENSOR/POTTER/RAPIDCONTROL/VIKING/DENFOS S
29.	INSTALLATION CONTROL VALVE	VICTAULIC / TYCO/VIKING
30.	PROTECTIVE TAPE	COATEK OR EQUIVALENT
31.	PIPE CLAM / HANGERS / SUPPORT	CAMRY/ CHILLY /OR EQUIVALENT
32.	DIESEL ENGINE	KIRLOSKAR/CUMMINS/GREAVES COTTON/CATER PILLAR/MAHINDRA/ASHOK LEYLAND
33.	POWER CABLE	FORT GLOSTER/HAVELLS/CCI/NICCO/INCAB/POLYCAB/R PG/FINOLEX/KEI
34.	FIRE EXTINGUISHERS	KANEX / SAFEX / MINIMAX / SAFEGUARD / NEWAGE/ FIRE SHIELD / LIFE GUARD AS PER BIS
35.	PAINT	SHALIMAR / ASIAN
36.	DASH FASTENERS	HILTI/ CANON
37.	AUTOMATIC AIR VENT	DANFOSS/ IBP/ZOOTO
38.	FOOT VALVE	LEADER/SANT/ZOOTO/DRP/ GIACOMINI
39.	Electrical Switchgear & Starters	L&T OR EQUIVALENT
40.	Cable Trays	SLOTCO OR EQUIVALENT
41.	1100 Volt Grade XLPE Cables	ISI
42.	PVC Insulated Copper Wires	ISI
43.	Electrical Panels	IMPACT ENGINEERS/ELEGANT
44.	Welding Rod	ADWANI/ VICTOR
45.	Anti corrosive tape for pipe protection	PYPKOTE/MAKPOLYKOTE

PUBLIC ADDRESS SYSTEM

SL NO.	PUBLIC ADDRESS SYSTEM	
1.	CAT-6 CABLE	AMP , D-Link , Siemon , Systemax
2.	LNB (Low Noise Block)	Eurostar,Gardiner

Construction of Multi-Storey Building for SBI at Deoghar for various outfits

3.	Control Cables / Wires	Polycab Rallison
4.	Coaxial Cable	Beldon , Comm-Scope (US Imported)
5.	Speaker & Accessories	Ahuja, Honeywell, Bosch , Siemens
6.	Voice Alarm Controller, Voice Alarm Router & Call Station	Ahuja, Honeywell, Bosch , Siemens
7.	I POD Universal Docking Station	Apple Sony
8.	Twisted Pair Shielded CU Conductor (Music Cable)	Rallison POLYCAB
9.	MS/GI Conduit (ISI Mark)	BEC , RM-COM , NIC, SUPER
10.	Accessories for MS /GI Conduit (ISI APPROVED)	Prakash Engineering Works Rama Sharma Sales Corporation Super Sales Corporation
11.	Duress Alarm Button	Ateis , Audiotrak , Bosch
12.	Sub-Woofer	Bose, JBL , Intex
13.	Wireless Receiver	Ahuja, Honeywell, Bosch, Siemens
14.	Amplifier	Ahuja, Honeywell, Bosch, Siemens
15.	Audio Processor	Ahuja, Honeywell, Bosch, Siemens
16.	FRLS PVC Conduit	AKG, BEC, Precision, Rallison

**PROFORMAS/TABLES OF VARIOUS TESTS, MATERIALS, PACT,
GUARANTEES**

Sr. No	Particulars	Nos
1.	Record of Cement/Received/Used/Balance.	Table I
2.	Proforma of Paint/Lead/CICO Register	Table II
3.	Proforma for Reinforcement Bars Received	Table III
4.	Format of Receipt Of Materials At Site	Table IV
5.	Format of Monthly Progress Report	Table V
6.	Proforma for Bulkage Test of Sand Register	Table VI
7.	Proforma for Silt Test Register	Table VII
8.	Proforma for Sieve Analysis of Fine Aggregate Register	Table VIII
9.	Proforma for Sieve Analysis of Coarse Aggregate Register	Table IX
10.	Proforma for Slump Test Register	Table X
11.	Proforma of Cube Test Register	Table XI
12.	Proforma for Hindrance to Work	Table XII
13.	Proforma for Running A/c. Bill	Table XXI
14.	Account of Secured Advance if Admissible on Materials Held at Site by the Contractors	Table XIV
15.	Format for Memorandum For Payment	Table XV
16.	Format of Measurement Book	Table XVI
17.	Format of Site Order Book	Table XVII
18.	Format For Application By Contractor For Extension Of Time.	Table XVIII
19.	Details of Insurance Policies	Table XIX
20.	Prebid Query Form	Table XX
21.	Pre-Contract Integrity Pact	Annexure XVIII
22.	Guarantee Bonds Of Civil Works Format Of Guarantee To Be Executed By The Firm/ Contractor In Respect Of The Work Of Pre-Construction Anti-Termite Treatment	Annexure XXI
23.	Proforma Of Guarantee Bond For Waterproofing Treatment To Basement (Walls & Bottom Slab), Underground Reservoir, Overhead Reservoir, Terrace, Staircase Tower & Sunken Floor Of Washrooms.	Annexure XXII

Note : i) Contractor has to get the above record maintained in registers at site and to be kept securely at site.

TABLE-I**RECORD OF CEMENT RECEIVED / USED / BALANCE**

S. No.	Cement in stock Bags	Cement received (Bags)	Total Cement received (Bags)	Source from which received	Description of work where cement is used	Number of cement bags consumed	Balance in stock	Signature of Contractor & APMCF/ (Bank's Representative (Periodical))
1	2	3	4	5	6	7	8	9

TABLE-II
RECORD OF PAINT / LEAD / CICO REGISTER

Name of work :
 Name of the Contractor :
 Agreement No. :

Date of Receipt	Source Receipt with Ref. To S.O./Indent	Qty. Received	Progressive Total	Item of work for which issued with approx. qty. work done in case of paint only	Date of issues	Quantity issued	Qty. returned at the end of the day	Total issued	Delay Balance at hand	Contractors initials	Site Engineers initials	Signature of APMCF/ (Bank's Representative (Periodical)
1	2	3	4	5	6	7	8	9	10	11	12	13

Register for bitumen should be maintained. The format will be similar to that for cement.

TABLE-III**PROFORMA FOR REINFORCEMENT BARS RECEIVED (In KGS.)**

Truck No.	Challan No.	Name of Supplier	Binding Wire	6mm dia.	8mm dia.	12m m dia.	16m m dia.	20m m dia.	25m m dia.	Total Received
1	2	3	4	5	6	7	8	9	10	11

Number of diameters given is only illustrative. Open more columns for other diameters wherever needed.

TABLE-IV**FORMAT OF RECEIPT OF MATERIALS AT SITE**

Sr. No.	Description	Opening balance	Receipt during month	Consumption during month	Closing balance	Total Quantity received till date
1	Cement (M.T.)					
2	Mild steel (M.T.)					
3	Tor steel (M.T.)					
4	Coarse aggregate (cu.mt.)					
5	Fine aggregate (cu.mt.)					
6	Teak wood (cu.mt.)					
7	Bricks (Nos.)					
8	Tiles (Nos.)					

Sr. No.	Description of work	Date of Commencement	Due date of completion	Percentage progress achieved
1	General building work			
2	Security equipment work			
3	Pest control treatment work			
4	Sanitary & Plumbing work			
5	Electrical work			
	Fire Fighting Works			
7	Other work			

TABLE-V
FORMAT OF MONTHLY PROGRESS REPORT (Annexure X)

Name of work :

Progress report for the month :

Report No. :

Sr No.	Description	Approximate quantity executed (Till Previous Month)	Details of work location where work is done	Approximate quantity executed (Current Month)	Total Quantity Executed
A.	GENERAL BUILDING WORK:				
1	Foundation work				
2	Reinforcement fabrication				
3	Shuttering work				
4	Reinforced cement concrete				
5	Masonry work				
6	Wood work				
7	Plastering work				
8	Flooring work				
9	Glazing work				
10	Roof treatment work				
11	Painting work				
B.	Pest control treatment				
C.	Security equipment work				
D.	Sanitary and plumbing work:				
1	Water supply				
2	Drainage work				
3	Fitting and fixtures				
E.	Electrical installation work				
F.	Fire Fighting Works				
G.	OTHER TRADES				

TABLE-VI

PROFORMA FOR BULKAGE TEST OF SAND REGISTER

Sr. .No .	Date of Test	Volume of dust sand in Cylinder inundated & stirred	Volume inundated Sand in Cylinder	Percentage of Bulkage	Signature of Site Engineer	Signature of Contractor	Initial of APMCF / Bank's representative (Periodical)
1	2	3	4	5	6	7	8

TABLE-VII**PROFORMA OF SILT TEST REGISTER**

Sr No.	Date of Test	Height of Sand in Cylinder inundated & stirred	Height of Silt	Max percentage of silt as specified	Percentage of silt obtained	Signature of Site Engineer	Signature of Contracto r	Initial APMCF Bank's Representative (Periodical)
1	2	3	4	5	6	7	8	9

TABLE-VIII**PROFORMA SIEVE ANALYSIS OF FINE AGGREGATE REGISTER**

Sr. No	Date of Test	Wt. of Material to be tested	Sieve as per I.S. designation	Wt. of Sand retained in sieve	%a retained in each sieve successively	Cumulative % retained in each sieve	F. M.	Signature of Site Engineer	Signature of Contractor	Signature of APMCF/ Bank's representative (Periodical)

TABLE-IX**PROFORMA OF SIEVE ANALYSIS OF COARSE AGGREGATE REGISTER**

S . N o.	Date of Testi ng	Wt. of Mate rial to be teste d	Nomin al size of Aggre gate	I.S. Sieve designa tion	Stand ard passin g for graded aggreg ate. of nomin al size	Tes t Res ult	Obtai ned passi ng	Signat ure of Site Engin eer	Signat ure of Contra ctor	Signature of APMCF /Bank's representative (Periodical)
1	2	3	4	5	6	7	8	9	10	11

TABLE-X
PROFORMA FOR SLUMP TEST REGISTER

Sr. No.	Date of Testing	Type of work for which slump taken	Specified slump		Slump Obtained		Signature of Site Engineer	Signature of Contractor	Signature of APMCF / Bank's representative (Periodical)
			When Vibrators are used	When Vibrators are not used	When Vibrators are used	When Vibrators are not used			
1	2	3	4	5	6	7	8	9	10

TABLE-XI
ANNEXURE-XI
PROFORMA OF CUBE TEST REGISTER

ate f kin ub + m	Samp le No.	No. of Cub es take n	Specif ic marki ng of Cube s	Proporti on of mixture	Descripti on of work carried out	Signatu re of Engine er taking sample	Signatur e of Contract or	7/28 Days Testing				Permissib le Compress ive strength of Concrete / 28 Days / 7 days		Remar ks on Test Report and No.	Remarks APMCF /Bank's represen e Period
								Da te of Te st	Test Res ult Kg/ Sq. cm	Av. Stre n- gth Kg. / Sq. cm.	Stra n- dard stre n- gth Kg / Sq.c m.	7 Da ys	28 Da ys		
	2	3	4	5	6	7	8	9	10	11	12	13		14	15

**TABLE-XII
ANNEXURE-VIII.**

PROFORMA FOR HINDRANCE TO WORK

Name of Work : Date of Start of work :
 Name of Contractor : Period of Completion :
 Agreement No. : Dt. of Completion of work :

S.N o.	Nature of Hindrance	Date of Occurrence of Hindrance	Date of which Hindrance was removed	Period of which Hindrance existed	Signature of Site Engineer	Signature of APMCF / Bank's Representative
1	2	3	4	5	6	7

TABLE XIII
PROFORMA FOR RUNNING A/C BILL

- i. Name of Contractor / Agency :
 ii. Name of Work :
 iii. Sl.No. of this Bill :
 iv. No. & Date of previous Bill :
 v. Reference to Agreement No. :
 vi. Date of Written order to commence :
 vii. Date of Completion as per Agreement :

S.No.	Item Description	Unit	Rate (Rs.)	As per Tender	
				Quantity	Amount (Rs.)
1	2	3	4	5	

Upto Previous R.A. Bill		Up Date (Gross		Present Bill		Remarks
Quantity	Amount (Rs.)	Quantity	Amount (Rs.)	Quantity	Amount (Rs.)	
6		7		8		9

Note: 1. If part rate is allowed for any items, it should be indicated with reasons for allowing such a rate.

 Net Value since previous bill

2. If ad-hoc payment is made, it should be mentioned specifically.

--

CERTIFICATE

The measurements on the basis of which the above entries for the Running Bill No. ----- were made have been taken jointly on ----- and are recorded at pages ----- to ----- of measurement book No. --- -----.

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

Signature and
date of Contractor

Signature and
date of Architects
Representative (Seal)

Signature and
date of Site Engineer

The work recorded in the above-mentioned measurements has been done at the site satisfactorily as per tender drawings, conditions and specifications.

Signature
Architect

&

Date

of

Signature & Date of
Site Engineer

Signature & Date of
Bank's Engineer

TABLE - XIV**ACCOUNT OF SECURED ADVANCE, IF ADMISSIBLE ON MATERIALS HELD AT SITE BY THE CONTRACTOR**

S.No.	Item	Quantity	Unit	Amount	Remarks
1	2	3	4	5	6

Total value of materials at Site.

Secured Advance @ ----- of above value - B

CERTIFIED:

- (i) That the materials mentioned above have actually been brought by the Contractor to the site of the work and on advance on any quantity of any of this item is outstanding on their security.
- (ii) That the materials (are of imperishable nature) and are all required by the Contractor for use in the work in connection with the items for which rates of finished work have been agreed upon.

Dated Signature of
Site Engineer
Preparing the bill
Rank -----

Date signature of
Banks Architects-----
(Name of the Architects)-----

Dated Signature of the Contractor

TABLE - XV
MEMORANDUM FOR PAYMENT

R/A BILL NO.

1.	Total value of work done since previous bill (A)	Rs. -----
2.	Total amount of secured advance due since Previous Bill (B)	Rs. -----
3.	Total amount due since Previous Bill (C) (A+B)	Rs. -----
4.	PVA on account of declaration in price of Steel, Cement and other materials and labour as detailed in separate statements enclosed.	Rs. -----
5.	Total amount due to the Contractor	Rs. -----
<u>OBJECTIONS:</u>		
i)	Secured Advance paid in the previous R/A	Rs. -----
ii)	Retention money on value of works as per accepted tenders up to date amount Rs.	Rs. -----
	Less already recovered	Rs. -----
	Balance to be recovered	Rs. -----
iii)	Mobilization Advance, if any	
(a)	Outstanding amount (principal + interest) as on date	Rs. -----
(b)	To be recovered in this bill	Rs. -----
iii.	Any other Departmental materials cost to be recovered as per contract, if any	Rs. -----

iv.	Any other Departmental service charges to be recovered if any, as per contract (water, power etc.) enclose statement.	Rs. -----
	Total Deduction as per contract (F)	Rs. -----
	Adjustments, if any ----- Amount less received by Contractor in ----- R/A Bill (as per statement of Contractor)	Rs. -----
	P.V.A.	Rs. -----
	Total amount payable as per contract (E+F+G)	Rs. -----
	(Rupees ----- in words)	

The bill amount to Rs. ----- (both figures and words) has been scrutinized by us after due checking of the measurements of work as required and is recommended for payment.

Date: -----
 Architect
 Signature of
 with Seal

The bill amount to Rs. ----- certified by Consultants has been scrutinized by me after due test checking of measurements of works as required and is recommended for payment for an amount of Rs.

Date : -----

 Signature of SBI Engineer

STATUTORY DEDUCTION:

i)	Total Amount due (E)	Rs. -----
ii)	Less I.T. Payable	Rs. -----
iii)	Less S.T. Payable	Rs. -----
	Net Payable	Rs. -----

These figures given in the Memorandum for payable has been verified and bill passed for payment ----- (in words and figures)

Date: -----

Premises Officer

Signature of the

Table XVI

FORMAT OF MEASUREMENT BOOK (ANNEXURE- XX)

1ST Page:

STATE BANK OF INDIA

.....office,

Measurement Book No.

(Pages 1 to.....)

This book is issued to Shri.....

Signature of A.G.M. (Premises & Estate)

Certified that this book contains..... pages

Signature of the official (to whom the book is issued)

MEASUREMENT BOOK PAGES NOS. 1 TO.....

Item No.	Description	Unit	Measurement No.L B D/H	Quantity	Remarks

Site Engineer
Contractor
(Head of PMC)
Consultant)

Architect

(Head of Architect

Checking/Test checking
checking

Bank's Engineer

Date of checking/Test

NOTE :

Checking and test checking pertains to items wherever initialed.

Table XVII

FORMAT OF SITE ORDER BOOK (ANNEXURE- XVI)

Name of the work_____

Date of Commencement_____

Sr. No	Remarks/ Instructions of the site Engineer/ Architect	Dated Initials of site Engineer/ Architect	Initials of the Contractor for having received the instructions	Action taken with date	Dated initials of the site Engineer	Remarks of the Architects APMCF/SBI Officials
1	2	3	4	5	6	7

Table XVIII

Format For Application By Contractor For Extension Of Time (Annexure- VII)

1.	Name of the Contractor				
2.	Name of the work as given in the Agreement				
3.	Agreement WO				
4.	Tender amount				
5.	Date of commencement of work				
6.	Period allowed for completion as per agreement				
7.	Date of completion as per agreement				
8.	Period for which extension of time has been given				
			<u>Date</u>	<u>Month</u>	<u>Year</u>
	a)	1st extension vide Bank's Letter No.			
	b)	2nd extension vide Bank's Letter No.			
	c)	3rd extension vide Bank's Letter No.			
9.	Reasons for which extensions have been previously given (copies of the previous applications should be attached)				
10.	Period for which extension is applied for and the reasons thereof including hindrances, time for extra work assigned, if any etc.				

Signature of Contractor

Table XIX

DETAILS OF INSURANCE POLICIES (ANNEXURE XVII)

Type of policies	Name of Insurance	Amount Rs.	Policy No.	Validity
CAR policy including 3rd party liability				
Workmen's Compensation				
Any other Policy				

Remarks :

- 1) This is only an 'on-account' payment and is not to be interpreted either as approval of work, materials brought or affixed at site or for that matter approval of any sort.
- 2) The quantum of work done and materials delivered at site have been certified by.....
- 3) should you wish to audit such work, kindly contact the undersigned and oblige.

APMCF/Architects

Table XX

Annexure XIX

Prebid Query Form

Vendor name	Sr. No	TENDER Page No	TENDER Clause No	Existing Clause	Query Suggestion

Annexure XVIII
PRE-CONTRACT integrity pact

State Bank of India hereinafter referred to as "The Principal".
And hereinafter referred to as The Bidder / Contractor"

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for

.....The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relations with its Bidder(s) and /or Contractor(s). In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Principal.

1. The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -

- a. No employee of the principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- b. The principal will during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the process or the contract execution.
- c. The Principal will exclude from the process all known prejudiced persons.

2. If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/ Contractor(s)

1. The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

- a. The Bidder(s) / contractor(s) will not, directly or through any other persons or firm, offer promise or give to any of the Principal employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage or during the execution of the contract.

The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act;

further the Bidder(s) /Contractors will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the bidder(s)/contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only.

e. The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

2. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3: Disqualification from tender process and exclusion from future contracts
If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or take action as per the procedure mentioned in the "Guidelines on Banning of business dealings".

Section 4 : Compensation for Damages

1. If the Principal has disqualified the Bidder(s) from the tender process prior to the award

according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.

2. If the Principal has terminated the contract according to Section 3, or if the Principal is

entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 : Previous Transgression

1. The Bidder declares that no previous transgressions occurred in the last three years with

any other company in any country conforming to the anti-corruption approach or with any other public sector enterprise in India that could justify his exclusion from the tender process

2. If the bidder makes incorrect statement on this subject, he can be disqualified from the

tender process for action can be taken as per the procedure mentioned in "Guidelines on Banning of business dealings".

Section 6: Equal treatment of all Bidders/Contractors/Subcontractors.

- 1. The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
- 2. The Principal will enter into agreements with identical conditions as this one with all bidders, contractors and subcontractors.
- 3. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7: Criminal charges against violation Bidder(s)/Contractor(s)/Subcontractor(s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Section 8: Independent External Monitor/Monitors

- (1) The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- (2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairman, SBI.
- (3) The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all project documentation of the principal including that provided by the Contractor. The Contractor 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 Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/ Subcontractor(s) with confidentiality.
- (4) 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 Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- (5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (6) The Monitor will submit a written report to the Chairman, State Bank of India within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
- (7) Monitor shall be entitled to compensate on the same terms as being extended to / provided to Independent Directors on the SBI Board.
- (8) If the Monitor has reported to the Chairman SBI, a substantiated suspicion of an offence under relevant IPC/PC Act, and the Chairman SBI has not, within the

reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

(9) The word Monitor” would include both singular and plural.

Section 9 – Pact Duration

This pact begins when both parties have legally signed it. It expires for the Contractor 10 months after the last payment under the contract, and for all other Bidders & months ---- the contract has been awarded. If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Chairman of SBI.

Section 10 – Other provisions

- This agreement is subject to Indian Law, Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Patna.
- Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

For & on behalf of the Principal
Office Seal

For & On behalf of Bidder/ Contractor
(Office Seal)

Place -----

Date -----

Witness 1: (Name & Address) _____

Witness 2: (Name & Address) _____

Annexure- XXI

Guarantee Bonds of Civil Works FORMAT OF GUARANTEE TO BE EXECUTED BY THE FIRM/ CONTRACTOR IN RESPECT OF THE WORK OF PRE-CONSTRUCTION ANTI-TERMITE TREATMENT

(On non-judicial Stamp Paper of Rs. 600/- or as per latest Govt. Rules)

The agreement made this Day of _____ Two Thousand _____ between Assistant General Manager, Premises & Estate Department, State Bank of India, Patna of one part and _____ (Name of the Firm/ Contractor (hereinafter called the Guarantor) of the other part.

WHEREAS THIS AGREEMENT is supplementary to the Contract (hereinafter called the Contract dated made between the Employer of the one part and the Guarantor of the part) whereby the Firm/Contractor interlaid undertook to render the building/ structure completely free of any infestation of termites, and whereas the Guarantors agreed to give guarantee to the effect that the said building/ structure shall remain free from infestation for the period of 10 years from the date of Completion of pre-construction anti-termite treatment as per IS Code.

Now the Guarantor hereby agrees to make good all defects and render the building/ structure free from any infestation of termites, during this period of guarantee and to the satisfaction of the employer. The Guarantor also agrees to take up such rectification work at his own cost, and within one week from the date of issue of notice from the Employer, calling upon him to rectify the defects.

The decision of the Employer as to the cost by the Guarantor will be final and binding in the case, the Guarantor fails to commence the work as per the above notice and the work is got done through the other Contractor, that if the Guarantor fails to execute the preconstruction anti-termite treatment or commits breach thereunder then the Guarantor will indemnify the principal and his successors against all loss, damaged caused, expenses otherwise which may be incurred by him by any reason of any default on the part of the Guarantor in performance and observance of this agreement, as to the amount of loss and /or damage and / or cost incurred by the Employer, the decision of the Employer will be final and binding. In witness where of these presents have executed by the obligator and by and for of behalf of the Employer on the day, month and year first above written,

Signed
and delivered by State Bank of India, by
In the presence of

Signed and delivered by the hands of Contractor
In presence of

Annexure- XXII

PROFORMA OF GUARANTEE BOND FOR WATERPROOFING TREATMENT TO BASEMENT (WALLS & BOTTOM SLAB), UNDERGROUND RESERVOIR, OVERHEAD RESERVOIR, TERRACE, STAIRCASE TOWER & SUNKEN FLOOR OF WASHROOMS.

(On non-judicial Stamp Paper of Rs. 600/- or as per latest Govt. Rules)

FORM OF GUARANTEE IN RESPECT OF WATER PROOFING WORKS The Agreement made thisday oftwo thousand and seventeen between (Hereinafter called the Guarantor of the one part) and the Asst. General Manager, Premises & Estate Department, Local Head Office, Premises & Estate Dept., Patna (hereinafter called the other part.)

WHEREAS THIS agreement is supplementary to a contract (hereinafter called the Contract), dated and made between the GUARANTOR OF THE ONE part and STATE BANK OF INDIA other part, where by the Contractor, inter alia , undertook to render the buildings and structures in the said contract recited completely water and leak-proof.

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the effect that the said structures will remain water and leak-proof for 10 years from the date giving of water proofing treatment.

NOW THE GUARANTOR hereby guarantees that water proofing treatment given by him will render the structure completely leak-proof and the minimum life of such water proofing treatment shall be 10 years to be reckoned from the date after the maintenance period prescribed in 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 and other water proofed surface 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 water proof surface.

(b) Alteration shall mean construction of any additional work by removing the water proofing treatment in parts.

(c) The decision of the SBI/APMCF with regard to cause of leakage 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 Architect/ PMC at him cost and shall commence the work for such rectification within seven days from the date of issue of the notice from the SBI/APMCF calling upon him to rectify the defects failing which the work shall be got done by the owner by some other Contractor at the GUARANTOR's cost and risk. The decision of the SBI/APMCF as to the cost, payable by the Guarantor shall be final and binding.

That if Guarantor fails to execute the water proofing or commits breach there under, then the Guarantor will indemnify the Principal and his successors against al lose, 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 cost incurred by the Owner the decision of the Architect/PMC will be final and binding on the parties.

IN WITNESS WHEREOF these presents have been executed by the obligor and by And for and on behalf of the Asst. General Manager, Premises and Estate Department, Premises & Estate Dept., Local Head Office, Patna on the day, month and year first above written.

SIGNED, SEALED AND delivered by OBLIGOR in the presence of ----

h)

i)

SIGNED FOR AND ON BEHALF OF THE STATE BANK OF INDIA
BY In the presence of ----

1.

2.