



REPAIR AND RENOVATION INCLUDING CIVIL, FURNISHING, ELECTRICAL & AC WORKS OF  
CANARA BANK, CIRCLE OFFICE, KARNAL, HARYANA

TENDER REF NO: GA/COKAR/DEC-01/23-24 DATED: 16.12.2023

ISSUED BY  
CANARA BANK, CIRCLE OFFICE GENERAL  
ADMINISTRATION SECTION  
CIRCLE OFFICE, BAYSITE 17-18, SEC-12, KARNAL- 132001  
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	CONTENTS
Sl. No	DETAILS
	TECHNICAL BID
1.	Notice Inviting Tender
2.	General rules and Directions to Tenders
3.	Schedule's A to F
4.	Conditions of contract
5.	Clauses of contract
6.	Special conditions
7.	Technical specification and list of approved makes (attached)
8.	Safety code
9.	Model rules for protection of Health and sanitary arrangements for workers employed by contractors
10.	Tender Form
11.	ANNEXURE - 1 - Bio Data of Tenderer
12.	ANNEXURE - 2 - Acceptance
13.	ANNEXURE - 3 - Form of Agreement
14.	ANNEXURE - 4 - Details of construction equipments & plants
15.	ANNEXURE - 5 - List of relatives employed in Canara Bank
16.	ANNEXURE - 6 - Format for receipt of Materials at site
17.	ANNEXURE - 7 – Format of measurement book
18.	ANNEXURE - 8 - Format for running bill
19.	ANNEXURE -09 - Format for Rate analysis
20.	ANNEXURE -10 - Format for certificate of payment
21.	ANNEXURE -11 – Format of site order book
22.	ANNEXURE -12 – Format for application - Extension of time
23.	ANNEXURE -13 - Format for Hindrance register
24.	ANNEXURE -14 - Format of BG for EMD
25.	ANNEXURE -15 - Format of BG for security deposit
26.	ANNEXURE -16 - Draft agreement of Integrity Pact
27.	ANNEXURE -17 – List of Retired Government/Bank Employees
28.	ANNEXURE -18 – Base Price of materials
29.	ANNEXURE -19 – Indemnity format
30.	ANNEXURE -20 –Water Proofing Warranty 10years Format
30.	Tender drawings (attached)
	FINANCIAL BID
32	Price Bid (Bill of quantities -BOQ) (attached)

**NOTICE INVITING TENDERS**

Canara Bank, General Administration Section, Circle Office, Karnal invites item rate sealed tenders from eligible & experienced Firms / Companies in "TWO BID CONCEPT" for **the Repair and Renovation Including Civil, Furnishing, Electrical & Ac Works of Canara Bank, Circle Office, Karnal, Haryana.**

## Details of the Tender:

Name of the Work	Repair and Renovation Including Civil, Furnishing, Electrical & Ac Works of Canara Bank, Circle Office, Karnal, Haryana.
Location of Work	Canara Bank, Circle Office General Administration Section Circle office, Baysite 17-18, Sec-12, Karnal- 132001
Estimated cost of the works	Rs.125.40 Lakh
Earnest Money deposit	Rs. 2,50,000.00 by way of Demand Draft of a Scheduled Bank drawn in favour of Canara Bank payable at Karnal.
Issue of tender document	16.12.2023
Tender document cost	<b>Rs. 1500.00 +GST</b> by way of Demand Draft of a Scheduled Bank drawn in favour of Canara Bank payable at Karnal. It is compulsory without it bid should be rejected.
Last date of submission of pre-bid queries	26.12.2023 till 2.00pm
Pre-bid meeting	26.12.2023 at 3.30 pm
Last date of submission of Tender	06.01.2024 on or before 3.00 pm
Opening of Technical bids	06.01.2024 at 3.30 pm
Opening of Financial bids	Date & time will be informed to the qualified bidders through e-mail/ letter.
Period of completion	90 Days from the date of issue of work order
Tender documents ( soft copy )	Can be downloaded free of cost from Canara Bank's web site & Central Public Procurement (CPP) portal <a href="http://www.eprocure.gov.in">www.eprocure.gov.in</a> from 16.12.2023 till last date & time of submission- <a href="https://canarabank.com/tender">https://canarabank.com/tender</a> & <a href="https://eprocure.gov.in">https://eprocure.gov.in</a>
Last date and time for submission of the tender	Sealed envelopes to be submitted on or before 06/01/2024 by 3.00PM to the office of: The Assistant General Manager, Canara Bank, Circle Office General Administration Section, Circle Office, Baysite 17-18, Sec-12, Karnal-132001. Superscripted on envelope "Repair and Renovation Including Civil, Furnishing, Electrical & Ac Works of Canara Bank, Circle Office, Karnal, Haryana." with two separate envelope inside clearly mentioning technical and financials Bid.

- 1) Eligibility Criteria: Contractors who fulfil the following requirements are eligible to apply. The Contractor/ Companies/ Agencies having established manufacturing facilities in the area of office type Composite works and who have executed such works are eligible to apply. The tenderer should not have been blacklisted by any organisation / institution and should submit a declaration on letter head confirming the same.

Sl.	Eligibility Criteria	Documents Required
1	The contractor should be registered with CPWD-or State PWD or MES or Railways or such other Government organizations or Registered in Public sector units or public sector Bank's or Financial Institutions/ companies as a furnishing works contractor and electrical works contractor/ composite contractor.	A copy of valid registration certificate from respective authorities & copy of Electrical licence.  Joint Ventures are not permitted.
2	The Contractor should have minimum of 05 (Five) years' experience in the relevant field as on 31.03.2023.	Copy of Registration of the Firm or Copy of incorporation.
3	Bidder should have a minimum of ₹ 50.00 lakhs annual average turnover during last three financial years. i.e. 2020-21, 2021-22, 2022-23 from the civil works related business. Contractor have to submit CA certified copy of turnover.	Audited balance sheet and P&L account for the years mentioned and certificate from the Chartered Accountant.
4	Bank Solvency Certificate upto 50.00 Lakh latest within six months.	Original copy should be attached.
5	The Tenderer should have executed any of the following work in a single contract during the last Seven (7) years ending with 31.03.2023 for at least,  <b>One (1) similar work costing Rs.100.00 lacs</b> OR <b>Two (2) similar works each costing Rs.75.25 lacs</b> OR <b>Three (3) similar works each costing Rs. 50.00 Lacs</b> *Note – Amount mentioned are excluding GST.	Satisfactory work completion certificates from clients (preferably from Government Departments/ Public Sector Undertaking/ centre autonomous bodies/state autonomous bodies) clearly indicating the cost and nature of works executed (Please refer to similar works).  In case of consolidated completion certificates, split up details certified by the client/ project consultant is to be closed.
	<b>Similar works means Repair and Renovation Including Civil, Furnishing, Electrical &amp; Ac Works as a composite work.</b>	
5	The contractor must have valid GST registration, PAN number, Company Registration, EPF Registration, Labor insurance Copies., Ownership Document, Class Registration Certificate,	Copy of the GST registration certificate and copy of PAN card. In case the firm/company etc. is not having G.S.T number, contractor should apply for G.S.T number and submit a copy for the acknowledgement form along with a declaration for having applied for G.S.T registration. Shortlisted vendor must submit GST number before commencement of work. MSE FIRMS MUST SUBMIT THEIR UDHYOG AADHARCERTIFICATE.

- 2) Tender documents can be downloaded only from the Banks & Central Public Procurement (CPP) portal [www.eprocure.gov.in](http://www.eprocure.gov.in) website free of cost.  
The Tender documents shall be in 12 size font & A-4 size paper and neatly bounded (hard bound / spiral bound) in two separate books (i.e. technical bid and financial bid) and submitted as detailed in clause 10 below.
- 3) Tender documents consists of Notice Inviting the Tender (NIT), Eligibility criteria, General rules and Directions to Tenderers, Schedules A to F, Conditions of contract, Clauses of Contract, Special conditions, Technical specifications, Safety code, Model rules for protection of Health & sanitary arrangements, List of preferred makes, Annexures 1 to 20, Schedule of Quantity (SOQ).
- 4) Tenders shall be on prescribed Form for item rate tenders as issued by the Bank / hosted by the Bank in website & Central Public Procurement (CPP) portal [www.eprocure.gov.in](http://www.eprocure.gov.in)
- 5) The site is ready for commencement of works.
- 6) Nature of the document: TWO BID CONCEPT. This Tender document comprises of the following:
  - A. TECHNICAL BID: (first envelope) consisting of following should be hardbound/spiral bound and submitted as in Sl. No. 8 & 9 below in a separate envelope–
    - a) EMD – Earnest Money Deposit
    - b) Notice inviting tender (NIT).
    - c) General Rules & directions to contractor.
    - d) Schedules.
    - e) Conditions of contract.
    - f) Clauses of contract.
    - g) Special conditions
    - h) Safety code.
    - i) Model rules for protection of health and sanitary arrangements for workers employed by contractors.
    - j) Technical specifications and list of approved makes for works.
    - k) Annexures 1 to 20.
    - l) Tender Drawings.
  - B. FINANCIAL BID (second envelope): Schedule of quantity (SOQ). Financial bid should be hardbound / spiral bound and submitted in separate envelop as in Sl. No. 8 & 9 below.

7) Submission and opening of Tenders:

- a) Tenders on prescribed form should be placed in two envelopes one sealed envelope consisting of “Technical bid” duly super scribed as “Technical bid” and other sealed envelope consisting “Financial bid” duly super scribed as “Financial Bid” and both envelopes shall be kept in one bigger sealed single envelope, with the name of work, Name of Tenderer and due date written on the envelopes.

Sealed Tenders shall be addressed to The Assistant General Manager, Canara Bank, General Administration Section, Circle Office General Administration Section, Circle Office, Baysite 17-18, Sec-12, Karnal- 132001. Sealed Tenders shall be dropped in the TENDER BOX kept at the above said address.

- a) If last day of submission of tender is declared a holiday under NI Act by the Government subsequent to issuance of tender the next working day will be deemed to be the last day for submission of the tender. The first part of tenders i.e. Technical bid will be opened on the same day at location of tender submission.
  - b) Technical bids will be evaluated based on the Bank's eligibility criteria's. Wherever contractors /agencies are submitting consolidated completion certificates, then the Bank may request for supporting documents for split-up of works certified from the client / project architects as per the eligibility criteria's. Bank's decision in this regard is final and shall be binding on all.
  - c) The Financial bid of only the technically qualified / shortlisted applicants will be opened on a pre-notified time & date, under intimation to such qualified / shortlisted applicants. Lowest quoted tender (L1) will be arrived based on the evaluation of all the financial bids and after mathematical scrutiny and break rate analysis. Bank's reserves rights of accepting any and all the financial bids.
  - d) **If the amount quoted by the L1 bidder is less than 10% of the estimated cost, she/he shall submit to Canara Bank, CO, Karnal a additional performance guarantee of amount equal to the difference in the amount quoted and total estimated cost, by way of Demand Draft of a Scheduled commercial Bank issued in favour of Canara Bank, payable at Karnal. It should be return without interest after completion of work.**
- 8) The tender shall be accompanied by **earnest money deposit of Rs.2,50,000.00 (Rupees Two lakh Fifty thousand only) by way of Demand Draft of a Scheduled commercial Bank issued in favour of Canara Bank, payable at Karnal.** EMD can also be submitted by way of irrevocable Bank guarantee from scheduled commercial Bank other than Canara Bank valid for 180 days with claim period of 60 days in the format prescribed by the Bank. **EMD shall be submitted with the technical bid only and should be kept along with cover containing the technical bids.**
- Submission of EMD in form of Fixed Deposit or in any other form, other than Demand Draft or Bank Guarantee, is not acceptable and tenders with such EMD shall be rejected
- No interest shall be allowed on the Earnest Money Deposit (EMD). Tenders without EMD shall be summarily rejected. **However, MSEs are exempted from paying EMD as per MSME Act 2012. For getting the benefits in case of MSE firms, contractors / agencies should submit exemption certificate issued from the relevant authorities.**
- 9) Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above-mentioned Office of the Bank during working hours.
- 10) Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders, as to the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. Submission of a tender by tenderers implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done, site details and local conditions and other factors bearing on the execution of the work.
- 11) The tenderer shall be responsible for arranging and maintaining at his own cost all materials, labour, tools and plants, water, electricity, access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents.

- 12) Canara Bank reserves to itself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- 13) The tender for the works shall remain open for acceptance for a period of 120 days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or makes any modifications in the terms and conditions of the tender which are not acceptable to the Bank, then the Bank shall, without prejudice to any other right or remedy, be at liberty to forfeit full value of the earnest money as aforesaid.
- 14) This Notice Inviting Tender shall form a part of the contract document. The successful Tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, enter in to an agreement within 15 days from the date of acceptance letter.
- 15) Canara Bank does not bind itself to accept the lowest or any other tender, and reserves to itself the authority to reject any or all of the tenders received without the assignment of a reason. All tenders in which any of the prescribed conditions are not fulfilled or new conditions are stipulated by the tenderer or are incomplete in any respect are liable to be rejected.
- 16) Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- 17) Pre bid queries and clarification to Tender:  
The tenderer should carefully examine and understand the specifications, terms and conditions of the Tender and may seek clarifications, if required. The tenderer in all such cases seek clarification in writing in a word document (.doc) in the same serial order of that of the Tender by mentioning the relevant page number and clause number of the Tender. The softcopy of the pre-bid queries should be sent by E-Mail to [pecokar@canarabank.com](mailto:pecokar@canarabank.com) and the Prebid query should be in the following format.

Sl. No.	Page No.	Tender Clause No.	Tender Clause	Query

All communications regarding points requiring clarifications and any doubts shall be given in writing to The Assistant General Manager, Canara Bank, General Administration Section, General Administration Section, Circle Office General Administration Section, Circle Office, Bay-site 17-18, Sec-12, Karnal- 132001. by the intending tenderers before 2:00 PM on 26.12.2023 No oral or individual consultation shall be entertained. No queries will be entertained from the tenderers after the pre- bid meeting.

Pre-Bid meeting:

A pre-bid meeting of the intending tenderer will be held as scheduled below to clarify any point /doubt raised by them in respect of this Tender document:

Date	Time	Venue
26.12.2023	3.30PM	Canara Bank, General Administration Section, Circle Office, Baysite 17-18, Sec-12, Karnal- 132001.

No separate communication will be sent for this meeting. If the meeting date is declared as a holiday under NI Act by the Government subsequent to issuance of RFP, the next working day will be deemed to be the pre-bid meeting day. Authorized representatives of interested tenderers shall be present during the scheduled time.

The Bank will consolidate all the queries and discussions during the pre-bid meeting and the consolidated replies for the queries shall be made available in the Bank's website and no individual correspondence shall be made. The replies/clarification of the Bank in response to the queries raised by the bidder/s, and any other clarification / amendments / corrigendum furnished hereof will become part and parcel of the Tender document and it will be binding on the tenderers.

Non-reply to the queries raised by any of the Tenderer shall not be accepted as a valid reason for non-submission of the Tender. In addition, non-reply to any query may not be deemed the version of the Tenderer as reflected in the query has been accepted by the Bank.

**18) Amendment to Tender document:**

At any time prior to deadline for submission of Tender, the Bank, for any reason, whether, at its own initiative or in response to a clarification requested by prospective bidder may modify the Tender document by amendment. Notification of amendments will be made available on the Bank's website ([www.canarabank.com](http://www.canarabank.com)) and will be binding on all tenderers and no separate communication will be issued in this regard.

In order to allow prospective tenderers reasonable time in which to take the amendment into account in preparing their tender, the Bank, at its discretion, may extend the deadline for a reasonable period as decided by the Bank for the submission of tender.

**19) Brief details of the work:**

**REPAIR AND RENOVATION INCLUDING CIVIL, FURNISHING, ELECTRICAL & AC WORKS OF CANARA BANK, CIRCLE OFFICE, KARNAL, HARYANA.**

20) Definition: A "Tenderer / Bidder" is the Individual / Proprietor / Partnership Firm / Company who submits it tender for the subject works.

**21) Running Bill payments:**

Running bills shall be considered subject to a minimum bill value of ₹ 20.00 lakhs (Rupees Twenty lakhs only). All the bills shall be prepared by the contractor in the form prescribed by the Employer/ Bank. The bills in proper forms must be duly accompanied by detailed measurements, supporting documents (Invoices) for procuring the raw materials like plywood, laminate, hardware, etc as per the approved list of materials in support of the quantities of work done and must show deductions for all previous payments, retention money, etc If any.

The Architect official shall issue a certificate after due scrutiny of the contractor's bills, joint verification of the measurements and inspection of quality of works executed on site.

The amount stated in an running bill shall be the value of works properly executed on site as per Bank's specifications and payment will be allowed to the extent of works completed on site based on the Bank's discretion. If any works are partly completed then the proportionate payment will be released as per the actual after deducting the applicable taxes and retention money payments made earlier if any. Bank will not consider any payments on account of raw materials supplied at site (like supply of plywood, laminate, hardware, etc).



Bill payment will be made within the period of 15 (Fifteen) working days after submission of running bills along with the certificate issued by the architect.

All the interim payments shall be regarded as payments by way of advance against the final payment only, and not as payments for work actually done and completed, and shall not preclude the requiring of bad, unsound, and imperfect or unskilled work to be removed and taken away and reconstructed, or re-erected or be considered as an admission of the due performance of the contract, or any part thereof in any respect or the accruing of any claim, nor shall it conclude, determine or affect in anyway the power of the Employer/Bank under these conditions or any of them as to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract.

## 22) FINAL PAYMENT:

The Final Bill shall be accompanied by a "Completion of Certificate" from the Architect/ Engineer in Charge of the Bank. Payments of final bill shall be made as per the procedure followed for running bills, after deduction of Retention Money as specified in relevant clauses which sum shall be refunded as stipulated in relevant clauses. Final bill should be submitted within 15 days of the final bill certification in proper bill format (Tax invoice). The acceptance of payment of the final bill by the contractor would indicate that he will have no further claim in respect of the work executed.

Final bill payment will be made within the period of 30 (Thirty) working days after submission along with the certificate issued by the architect.

For & on behalf of the Canara  
Bank

Date: 16.12.2023

Sd-

**Assistant General Manager**  
General Administration Section,  
Circle Office, KARNAL

### GENERAL RULES AND DIRECTIONS TO TENDERERS

1. All work proposed for execution by contract will be notified in a form of Invitation to Tender and signed by the Bank Officer inviting tender.

This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of Earnest money to be deposited with the tender, and the amount of the security deposit to be deposited by the successful tenderers and the percentage, if any, to be deducted from bills. Copies of the specification, tender drawings and any other documents required in connection with the work signed for the purpose of identification by the officer inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.

2. In the event of the tender being submitted by a partnership firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power-of- attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act 1952 by enclosing a copy of the partnership deed duly certified by one partner as true copy.

Tender by Hindu Joint Family (HUF) firm may be signed by the Kartha or Manager or any other duly authorized representative followed by the name and designation.

3. Receipts for payments made on account of a work, when executed by a firm, shall be in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.
4. Any person who submits a tender shall fill up the printed prescribed form stating what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the same form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, will be liable to rejection. Tenders shall have the name and number of the works to which they refer, written on the envelopes. Modifications to specifications, item description, any clauses, conditions or any provisions whatsoever in the tender documents shall lead to disqualification of the tender.
5. In case the lowest tendered amount (worked out on the basis of quoted rate of Individual items) of two or more Tenderers is same, then such lowest Tenderers may be asked to submit sealed revised offer quoting rate of each item of the schedule of quantity for all sub-sections/sub heads as the case may be, but the revised quoted rate of each item of schedule of quantity for all sub sections/sub heads should not be higher than their respective original rate quoted already at the time of submission of tender. The lowest tender shall be decided on the basis of revised quoted rates.

If the revised tendered amount (worked out on the basis of quoted rate of individual items) of two or more Tenderers received in revised offer is again found to be equal OR the tie is not resolved then the lowest tender, among such Tenderers, shall be decided based on the following criteria in the same order of preference:

1<sup>st</sup> preference - Total Value of the qualifying works – Eligibility criteria 4

2<sup>nd</sup> preference –Total turnover during last 3 financial years-Eligibility criteria 3

In case of any such lowest Tenderer in his revised offer quotes rate of any item more than their respective original rate quoted already at the time of submission of tender, then such revised offer shall be treated invalid. Such case of revised offer of the lowest Tenderer or case of refusal to submit revised offer by the lowest Tenderers (tied

amount) shall be treated as withdrawal of his tender before acceptance and 50% of his earnest money shall be forfeited.

In case all the lowest Tenderers those have same tendered amount (as a result of their quoted rate of individual items), refuse to submit revised offers, then tenders are to be recalled after forfeiting 50% of EMD of each lowest Tenderers.

Tenderer whose earnest money is forfeited because of non-submission of revised offer, or quoting higher revised rate(s) of any item(s) than their respective original rate quoted already at the time of submission of his bid shall not be allowed to participate in the retendering process of the work.

**6. The rate quoted shall comply to the following:**

- (a) The rate(s) and/or amount(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and less and considering more than fifty paise as rupee one.
- (b) In case of illiterate contractors, the rates or the amounts should be attested by a witness, with a declaration that the contents of the tender documents have been explained to the tenderer.
- (c) The rate columns should be filled in English figures and English words.
- (d) The rate and amount columns for alternative items, if any, shall be filled up but amounts shall not be added in the total. The amount of alternative items of which quantities are not mentioned shall not be filled.

**7. In the case of any errors or omissions in the quoted rates, the rates given in the tender marked "Original" shall be taken as correct rates.**

**8. All rates shall be quoted only on the tender form. Quoted rates and units different from prescribed in the tender schedule will be liable for rejection. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates in figures as well as in words and the amounts in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures, the word 'Rs.' should be written before the figure of rupees and words 'P' after the decimal figures, e.g., 'Rs.2.15p' and in case of words, the words, 'Rupees' should precede and the word 'Paise' should be written at the end, unless the rate is in whole rupees and followed by the words 'only' it should be invariably be up to two decimal places. While quoting the rate in Schedule of quantities, the word 'only', should be written closely following the amount and it should not be written in the next line.**

All corrections such as cuttings, interpolations, omissions and over-writings shall be numbered as 'c', 'i', 'o' and 'ow' and initialled and total of such c, l, o and ow on each page certified at the end of the page with grand total at the end of the bill / schedule of quantities. Use of correcting fluid, anywhere in tender document is not permitted. Such tender is liable for rejection.

**9. The officer inviting tender or his duly authorized assistant will open tenders in the presence of any intending contractors who may be present at the time, and will enter the amounts of the several tenders in a comparative statement in a suitable form. In the event of a tender being accepted for consideration, a receipt for the earnest money forwarded therewith shall thereupon be given to the contractor who shall thereupon for the purpose of identification sign copies of the specifications and other documents mentioned in Rule-I. In the event of a tender being disqualified and rejected, the earnest money forwarded with such unaccepted tender shall thereupon be returned to the contractor remitting the same, without any interest.**

**10. The Officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any one tender.**

11. The Tenderer shall take all necessary precautions to ensure that all confidential information which the Tenderer obtains in the course of participating in this Tender or at any time thereafter is not disclosed or used other than for the purpose of project execution / scope of work / deliverables. Tenderer shall suitably defend, indemnify Bank for any loss / damage suffered by Bank on account of and to the extent of any disclosure of such confidential information. Confidential information for this purpose refers to such information pertaining to Bank provided to Tenderer which is marked as confidential and which is not available in the Public Domain”.
12. In the case of item rate tenders, only rates quoted shall be considered. Any tender containing percentage below / above the rates quoted is liable to be rejected. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words then the rate quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount. In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s), and amount blank, it will be presumed that the contractor has included the cost of this/these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.

In case the same item appears more than once in the schedule of work under the same sub head or among the different sub heads of works, the lowest rate quoted for that item shall be taken for other items also and tender will be evaluated accordingly.

13. The contractor whose tender is accepted shall be required to furnish by way of Initial security a sum which shall be equal to 2.0% (two percent) of the accepted value of the tender including the Earnest Money Deposit, within 7 (Seven) days of the date of issue of the letter of acceptance of his tender in form of Demand Draft payable to the Canara Bank. A further sum of 8% (eight percent) of the Gross value of each interim/final bill shall be deducted as retention money to make up, together with the Initial Security Deposit, a total Security Deposit equal to 10%.

In case the contractor wishes to provide the security deposit in form of Bank Guarantee, a Bank Guarantee of 10% of Contract amount including the Earnest Money Deposit, within 7 (Seven) days of the date of issue of the letter of acceptance of his tender as security deposit will be needed to be submitted. The duration of the Bank guarantee shall be for the duration of the contract period and defect liability period. In case of increase of duration of the project, the contractor is liable to provide the revised bank guarantee covering the extended period. The bank guarantee shall be acceptable from any other Scheduled Bank other than Canara Bank in the prescribed format.

In case the successful tenderer fails to remit the Initial security deposit within the above stipulated time, the Earnest money deposit shall be forfeited.

14. In the case of any tender where unit rate of any item/items appears unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation such a tender is liable to be disqualified and rejected and / or the tenderer is liable for additional security deposit as demanded by the Employer the form of Demand Draft or Bank guarantee from scheduled commercial Bank other than Canara Bank valid for contract period / smaller period (as decided by the Bank ) in the format prescribed by the Bank.
15. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Employer and / or Engineer-in-charge shall be communicated in writing to Employer.

16. The rates quoted shall be all inclusive rates for the item of work described, including materials, labour, tools and plant, lead, lift carriage and transport supervision, Royalties, duties, levies, cess and all taxes on material in respect of this contract, overheads and profits, mobilizing, demolishing and other charges whatsoever including any special difficulties any restrictions for transport etc., complete for proper execution of the work as per drawings and specifications and no claim whatsoever for any extra payment shall be maintainable.

Any other Tax, any royalties, duties, levies, cess, Entry Tax, octroi, Profession Tax, Turnover Tax or any other Tax on material in respect of this contract shall be payable by the tenderer and the Bank will not entertain any claim whatsoever in respect of the same and nothing extra shall be paid / reimbursed for the same subsequently. The rates quoted shall include all the above. GST on works contract on finished works wherever applicable shall be paid by Bank as per extant rules. All charges payable to local bodies for any service connections for construction purposes, land tax, etc., shall also be paid by the contractor and nothing extra shall be paid/reimbursed for the same.

17. The contractor shall give a list of the Bank employees related to him with their places of posting and designations in prescribed Format as per the Annexure-05.
18. The tender for the work shall not be witnessed by a contractor or contractors who himself/themselves has/have tendered or who may and has/have tendered for the same work. Failure to observe this condition would render tenders of the contractors tendering, as well as witnessing the tender, liable to summary rejection.
19. Errors and omissions due to clerical, typographical or printing etc., if any, will have to be got clarified and corrected before quoting the rates. The interpretation given by the appropriate tender accepting authority of the Bank shall be final and binding.
20. Procurement of all materials, other than specifically stipulated to be issued by the Bank, if any, shall be at the cost and the responsibility of the contractor.
21. **INTEGRITY PACT:** Integrity Pact format is enclosed as Annexure – 16. The same to be duly filled in a non-judicial stamp paper of appropriate value and submitted along with offer. Name & details Independent External Monitor (IEM) identified for this Tender/RFP will be notified at a later date.

Only those tenderers, who commit themselves to the above pact with the Bank, shall be considered eligible for participate in the tendering process. Those bids/ tenders which are not containing the above pact are liable for rejection.

22. Tenderer shall fill in all the blanks and put their signature and seal on each page of the tender documents. The successful Tenderer will have to enter into an agreement with each component of the Tender document with the Bank.
23. The tender drawings under this NIT are only indicative to broadly understand the scope of the works. The contractor shall carry out the works according to the workings drawings/ construction drawings issued by the Engineer in charge during the course of work from time to time. Tenderer/ Contractor is not eligible for any claim on account of any differences between the tender drawings and working drawings.
24. **PROVISIONS FOR MICRO & SMALL ENTERPRISES(MSES): -**  
As per Government of India's Public Procurement Policy act 2012, certain benefits will be given for MSE Units. The details are as under:

a) The Public Procurement Policy shall apply to MSEs registered with District Industries Centres or Khadi Village Industries Commission or Khadi & Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts & Handloom or any other body specified by Ministry of Micro, Small & Medium Enterprises.

b) MSEs are exempted from paying Tender/RFP fee/cost, EMDs. For getting the benefits in case of MSE firms, shall submit relevant documents such as valid MSE registration Certificates and exemption certificate from relevant authorities.

**25. SOCIAL MEDIA POLICY:**

No person of the bank or the contractors and third parties shall violate the social media policy of the bank. The following acts on the part of personnel of the bank or the contractors and third parties shall be construed as violation of social media policy:

a) Non-adherence to the standards/guidelines in relation to social media policy issued by the Bank from time to time.

b) Any omission or commission which exposes the Bank to actual or potential monetary loss or otherwise, reputation loss on account of non-adherence of social media related systems and procedures.

: SCHEDULEs:

## SCHEDULE 'A':

Schedule of Quantities – SOQ - (Specified in detail and attached)  
(Should be submitted in a separate envelope as financial bid)

## SCHEDULE 'B':

Schedule of materials to be issued to the contractor.

Sr. No.	Description of items	Quantity	Rates in figures & words @which the materials will be charged to the contractor	Place of Delivery
-----NIL-----				

## SCHEDULE 'B':

Tools and Plants to be hired to the contractor under headings.

Sr. No.	Description of items	Quantity	Rates in figures & words @which the materials will be charged to the contractor	Place of Delivery
-----NIL-----				

## SCHEDULE 'D':

Extra schedule for work :

- i. Conditions of contract
- ii. Clauses of contract
- iii. Special conditions
- iv. Technical specifications for civil, water supply, plumbing, CIVIL works
- v. Safety code
- vi. Model rules for protection of Health & sanitary
- vii. List of preferred makes

## SCHEDULE 'E':

Repair and Renovation including Civil, Furnishing, Electrical & AC Works of Canara Bank,  
Circle Office, Karnal, Haryana

## SCHEDULE 'F':

Reference to Conditions of contract.

Definitions:

2(a)Work	: REPAIR AND RENOVATION INCLUDING CIVIL, FURNISHING, ELECTRICAL & AC WORKS OF CANARA BANK, CIRCLE OFFICE, KARNAL, HARYANA.
2(b)Site	: BAYSITE 17-18, SEC-12, KARNAL- 132001
2(c)Contractor	: Successful tenderer to whom the work is awarded
2(d) <b>Bank or Employer</b> or Buyer	: Canara Bank
2(e) <b>Engineer-in-Charge/Architect</b>	: Bank's Engineers/Architect
2(f) Accepting Authority	: The Assistant General Manager Canara Bank General Administration Section Circle Office, Bay-site 17-18, Sec-12, Karnal-132001
2(g) Percentage on cost of materials and labour to cover all over heads and profits.	: 15 % (fifteen %)
2(h) Standard Schedule of Rates	: Local Market Rates
2(i) Standard specification to be Followed	: Specifications
2(j) Standard Contract Form	: Item rate Tender form of Canara Bank as modified & corrected up to date of tender.

**Reference to CLAUSES OF CONTRACT**

Clause 1:

Estimated cost of work	: Rs. 125.40 Lakh
Earnest Money Deposit	: Rs.2,50,000.00
Security Deposit	: As below
a) 2% initial security deposit (including EMD) within 7days.	
b) Retention money (Rule 13 of General Rules and Directions)	: 8% of the work executed deducted from bills Maximum of Rs. 10.00 lacs.

Or

Bank guarantee of Rs. 11.50 lacs within 7 days of the date of issue of the letter of acceptance of his tender.

Clause 2:	Authority for fixing compensation under clause 2.	General Manager, Circle Office, Karnal
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Clause 5	Time allowed for execution of work from date of commencement	120 Days
Clause 5.4	Authority to give fair and reasonable extension of time for completion of work	General Manager, Circle Office, Karnal
Clause 10 B	Mobilization Advance Max. percentage of accepted tendered cost (contract amount)	-- N I L --
	Plant & Machinery Advance Maximum percentage of contract amount.	-- N I L --
	Rate of interest percent per annum on mobilization Advance and Plant and machinery Advance	-- N I L --
	Other items (Specify) if any	-- N I L --
Clause 10 C:	Escalation	-- N I L --
Clause 12: 12.1 (iii)	Schedule of Rates for determining. Rates for additional, altered, or substituted items that cannot be determined under 12.1 (b) (i) & (ii)	Local market Rates
12.1(vi)A(a)	----NA----	----NA----
12.1(B)(vi) A(b)	----NA----	----NA----
12.1(vi)B(a)	----NA----	----NA----
Clause 15: (b)(II)	Percentage payable to cover contractor's indirect expenses for suspension of work exceeding 30 days and not exceeding 3 months.	----NA----
(c)	Percentage payable to cover contractor's indirect expenses for suspension exceeding 3 months.	----NA----
Clause 16:	Competent Authority for deciding reduced rates.	General Manager, Circle Office, Karnal
Clause 19:	Submission of Labour License	Within 14 days from the date of receipt of Acceptance letter
Clause 25	i) Amount of claim by any party beyond which Arbitrator shall give reasons for award.	All Claims
	ii) Accepting Authority	General Manager, Circle Office, Karnal

## CONDITIONS OF CONTRACT

### Definitions: -

1. The 'Contract' means the tender documents and acceptance thereof and the agreement duly executed between the Canara Bank and the Contractor, together with the documents referred to therein including these conditions, NIT, specifications, schedule of quantities, agreement, designs, drawings and instructions issued from time to time by the Employer and / or Engineer-in- Charge and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them.
  - a) The expression 'works' or 'work' shall be as mentioned Schedule F, unless there be something either in the subject or context repugnant to such construction be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional.
  - b) The 'Site' shall mean the land/or other places on as mentioned Schedule F, 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.
  - c) The 'Contractor' shall mean as mentioned in schedule F, the individual Kartha, or Manager of HUF, firm or Company, whether incorporated or not, undertaking the works and shall include the legal heirs/representatives of such individual or the partners composing firm and theirs legal heirs and successors, or company's authorized and constituted attorneys/agents and permitted assigns of such firm or company.
  - d) The 'Employer/Canara Bank means as mentioned in schedule F any officer of the Bank, who is specifically authorized to enter into contracts and in-charge of the work mentioned in Schedule F.
  - e) The 'Engineer-in-Charge' means the Engineer as mentioned in Schedule 'F' hereunder who shall supervise and be in-charge of the work or any other person specifically deputed by the Employer.
  - f) The 'Architect' means the Architect appointed by the Employer who shall supervise the overall project personally and through the site engineer(s) appointed by him. The Architect for the project is M/s Vaastu Vikalp Architects.
  - g) The 'Site Engineer' means the Engineer who shall supervise and be in-charge of the work and is deputed by the Architect.
  - h) 'Contract Price' shall mean the final accepted rates in the Schedule A hereto.
  - i) 'Date of Contract' means the 'Calendar date on which the Employer and Contractor have signed the Agreement on the Stamp Paper.
  - j) "Accepting Authority" shall mean the authority mentioned in Schedule 'F'.
  - k) "Excepted Risk" are risks due to riots (other than those on account of contractor's employees or agents or persons worked under or at the instance of the contractor) or civil commotion (in so far as both these are

uninsurable), war (Whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion revolution, insurrection, military or usurped power, any acts of Government, damages from aircraft, acts of God, such as earthquake, lightening and unprecedented floods, Tsunami and other causes over which the contractor has no control and accepted as such by the Accepting Authority.

- l) "Market Rate" shall be the rate as decided by the Employer on the basis of the cost of materials and labour and the site where the work is to be executed plus the percentage mentioned in Schedule 'F' to cover all overheads and profits.
  - m) "Schedule(s)" referred to in these conditions shall mean the relevant schedule(s) annexed to the tender papers or mentioned, if any, in Schedule 'F' hereunder, with the amendments thereto issued upto the date of receipt of the tender.
  - n) 'Approved' or 'Approval' wherever used in the specifications or schedule of Quantities shall mean, respectively, 'approved by or approval of the Accepting Authority' in writing.
  - o) 'Notice in writing' or 'written notice' shall mean a notice in writing typed or printed characters delivered to or sent by registered post to the last known address private or business address or registered office address, and shall be deemed to have been received when in ordinary course of post it would have been delivered, and/or delivered personally, or otherwise proved to have been received.
  - p) 'virtual completion' shall mean that the work / building is complete in all respects in the opinion of the Employer/ Bank
  - q) 'Drawings' shall mean all drawings and / or sketches duly signed by the Engineer-in-charge or their representative on behalf of the Employer before commencement or during the progress of the work.
  - r) 'Letter of Acceptance' shall mean an intimation by a letter issued by the Accepting Authority of the Employer / Bank to tenderers that his tender has been accepted in accordance with the provisions in the said letter.
  - s) Basic rate / Base price shall be as specified in Schedule F and Annexure -18 based on the actual price quoted by the authorised stockiest / wholesalers showroom including GST, octroi and all other duties levied by the statutory/ local authority and also excluding loading, unloading and carriage / transportation cost to the site of work, overheads, storage charges at site.
  - t) "Defect Liability Period" shall mean a period of twelve months from the certified date of virtual completion issued by the Engineer in charge / Employer. However, in the case of specialist contracts like for anti-termite treatment, water proofing treatment and the like the period of warranty in such contracts shall supersede the defect liability period, and the defect liability period of twelve months shall stand extended to be equal to the warranty period.
  - u) **"Approved make" means materials as specified under List of approved makes and also as approved by the Bank.**
3. **Scope and Performance:** Where the context so requires, words imparting the singular only also include the plural and vice versa. Any reference to masculine gender shall whenever required include feminine gender and vice versa.
  4. Headings to these Conditions of Contract, Clauses of contract, special conditions, technical specifications shall not be deemed to form part thereof or be taken into consideration in the inter-pretation or construction thereof or of the contract.

5. The contractor shall be furnished, free of cost one certified copy of the contract documents (except standard specifications, Schedule of Rates) together with all drawings as may be forming part of the tender papers. None of these documents shall be used by the Contractor for any purpose other than for this contract.
6. **Works to be carried out:** The work to be carried out under the contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The descriptions given in the Schedule of Quantities (Schedule - A) shall, unless otherwise stated, be held to include waste on material carriage and cartage, lead, lift, safety works, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labour necessary and for the full and entire execution and completion as aforesaid in accordance with good practice and recognized principles.

## **7. Rates**

The rates quoted shall be all inclusive rates for the item of work described, including materials, labour, tools and plant, lead, lift carriage and transport supervision, Royalties, duties, levies, cess, entry tax, Octroi, profession tax, GST or any other tax on material in respect of this contract, overheads and profits, mobilizing, demolishing and other charges whatsoever including any special difficulties any restrictions for transport, any other incidentals works etc. complete and for proper execution of the work as per drawings and specifications and no claim whatsoever for any extra payment shall be maintainable unless otherwise specifically exempted and are specified as payable or reimbursable under this Agreement.

## **8. Sufficiency of Tender:**

The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

## **9. Discrepancies and Adjustment of Errors:**

THE several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawing being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.

If there is any difference or discrepancy between the description of items as given in the schedule of quantities, particular specifications for individual items of work (including special conditions) and I.S. Codes etc., the following order of preference shall be observed:

- a) Description of the Item as detailed in Schedule of Quantities (SOQ).
- b) Particular Specifications, Special condition, Additional conditions if any
- c) Detailed Drawings
- d) CPWD specifications; if applicable
- e) Clauses of contract
- f) Indian Standard Specifications of B.I.S.
- g) Manufacturer's specifications
- h) As decided by Employer

Moreover, the Contractor is not allowed to take benefit out of any clerical / grammatical mistake in the standard clauses/ Bill of Quantities/Specifications etc. being used in the agreement."

If there are varying or conflicting provisions made in any one or more document(s) forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on contractor.

Any error in description or quantity or rate in Schedule of Quantities or any omission therefrom shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the Contract.

**10. Signing of Contract:** The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 7 days from the stipulated date of start of the work sign the contract consisting of following failing which the Earnest money deposit shall be forfeited: -

- a) Standard form of agreement on stamp paper, the notice inviting tender, all the documents including drawings, if any, forming the tender as issued.

at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

- b) Standard Contract Form as mentioned in Schedule 'F' consisting of:

- a. Notice inviting tender (NIT).
- b. General Rules & directions to contractor.
- c. Schedules A to F.
- d. Conditions of contract.
- e. Clauses of contract.
- f. Special conditions
- g. technical specifications and list of approved makes.
- h. Safety code.
- i. Model rules for protection of health and sanitary arrangements for workers employed by contractors.
- j. Annexure 1 to 19.
- k. Tender Drawings
- l. Bill of Quantities (BOQ)

## CLAUSES OF CONTRACT

### Clause - 1: DEPOSITS

The contractor whose tender is accepted shall be required to furnish by way of Initial security a sum which shall be equal to 2.0% (two percent) of the accepted value of the tender including the Earnest Money Deposit, within 7 (Seven) days of the date of issue of the letter of acceptance of his tender in form of Demand Draft payable to the Canara Bank. A further sum of 8% (eight percent) of the Gross value of each interim/final bill shall be deducted as retention money to make up, together with the Initial Security Deposit, a total Security Deposit equal to 10%.

In case the contractor wishes to provide the security deposit in form of Bank Guarantee, a Bank Guarantee of 10% of Contract amount including the Earnest Money Deposit, within 7 (Seven) days of the date of issue of the letter of acceptance of his tender as security deposit will be needed to be submitted. The duration of the Bank guarantee shall be for the duration of the contract period and defect liability period. In case of increase of duration of the project, the contractor is liable to provide the revised bank guarantee covering the extended period. The bank guarantee shall be acceptable from any other Scheduled Bank other than Canara Bank in the prescribed format.

All compensation or the other sums of money payable by the contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest if any, arising therefrom, or from any sums which may be due to or may become due to the contractor by Government on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deduction or sale as aforesaid, the contractor shall within 10 days make good in the cash or Guarantee Bond of a Scheduled Bank other than Canara Bank in favour of the Employer (in case of guarantee offered by scheduled banks, the amount shall be within the financial limits prescribed by the Reserve Bank of India); any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof. The security deposit shall be collected from the running bills of the contractor at the rates mentioned above and the Earnest money deposited at the time of tenders and the Initial Security Deposit will be treated as part of the Security Deposit.

### Clause - 2: COMPENSATION FOR DELAY:

If the contractor fails to maintain the required progress in terms of the contract or to complete the work and clear the site on or before the contract or approved extended date of completion, he shall, without prejudice to any other right or remedy of the Employer on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below or such smaller amount as may be fixed by the authority mentioned in Schedule 'F' on the contract value of the work for every completed week that the progress remains below that specified in clause 5 or that the work remains incomplete.

This shall also apply to items or group or items for which a separate period of completion has been specified, if any.

For this purpose, the term 'Contract Value' shall be value at the contract rates of the work as ordered.

a) Completion period (less than 6 months)	1 (One) percent per week
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Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed the undernoted percentage of the Contract Value or of the Contract Value of the item or group of items of work for which a separate period of completion is originally given: -

a) Completion period (less than 6 months)	1 (One) percent per week
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### Clause -2.1:

Bank shall have the right to adjust set-off against any sum payable to the Contractor under this or any other contract with the Employer / Canara Bank anywhere in India / outside India.

**Clause -3:**

Subject to other provisions contained, the Employer may without prejudice to his any other rights or remedy against the contractor in respect of any delay, inferior workmanship, any claims for damages and/or any other provisions of this contract

or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine and cancel the contract in any of the following cases;

- i) If the contractor having been given by the Employer and/or the Engineer-in-charge a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in any inefficient or otherwise improper or un-workman like manner shall omit or comply with the requirement of such notice for a period of seven days thereafter.
- ii) If the contractor being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or the creditor to appoint a receiver or a manager or which entitle the court to make a winding up order.
- iii) If the contractor has without reasonable cause failed to commence the work or has suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of the Employer (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continues to do so after a notice in writing of seven days from Employer.
- iv) If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date (s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Employer and /or Engineer-in-charge.
- v) If the contractor persistently neglects to carry out his obligations under the contract and/or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Employer and /or Engineer-in-charge.
- vi) If the contractor commits any acts mentioned in clause 21 hereof.

**Clause -3.1:**

When the contractor has made himself liable for action under any of the cases aforesaid, the Employer shall have powers:

- a) To determine or rescind the contract of which termination or rescission notice in writing to the contractor under the hand of the Employer shall be conclusive evidence. Upon such determination or rescission, the security deposit of the contractor shall be liable to be forfeited and shall be absolutely at the disposal of Employer.
- b) To employ labour paid by the Employer and to supply material to carry out the work or any part of the work debiting the contractor with the cost of the labour and the price of the materials (of the amount of which cost and price certified by the Engineer-in-charge shall be 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 rates as if it had been

carried out by the contractor under the terms of his contract. The certificate of the Engineer-in-charge as to the value of the work done shall be final and conclusive against the contractor provided always that action under the subclause shall only be taken after giving notice in writing to the contractor. However if the net total expenses incurred by the Employer are less than the amount payable to the contractor at his agreement rates, the difference shall not be paid to the contractor.

- c) After giving notice to the contractor to measure up the work of the contractor and to take such whole, or the balance or part thereof as shall be unexecuted out of his hands and to give it to another person 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, of the amount of which excess the certificate in writing of the Employer shall be final and conclusive shall be borne and paid by the original contractor and may be deducted from any money due to him by Employer under this contract or on any other contract account whatsoever or from his security deposit or the proceeds of sales thereof or a sufficient part thereof as the case maybe.

### **Clause -3.2:**

In any such event the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provisions aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereto or actually performed under this contract unless and until the Engineer- in-charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified. Provided further that any of the recoveries to be made when the excess cost incurred by the Employer under the action in (b) and/of (c) above is more than the Security Deposit to be forfeited, such recoveries shall be limited to the amount by which the excess cost incurred exceeds the Security deposit so forfeited.

### **Clause-4:**

In any case in which any of the powers conferred upon the Employer under Clause-3 hereof, shall have become exercisable and the same shall not be exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected. In the event of the Employer putting in force all or any of the powers vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the contractor, take possession of (or at the sole discretion of the Employer which shall be final and binding on the contractor) use as on hire (the amount of the hire money being also in the final determination of the Employer ) all or any tools, plant, materials and stores in or upon the works, or the site thereof, belonging to the contractor, or procured by the contractor and intended to be used for the execution of the work/or any part thereof, paying or allowing for the same in account at the contract rates, or, in the case of these not being applicable, at current market rates to be certified by the Engineer-in-charge, whose certificate thereof shall be final and binding on the contractor, otherwise the Employer by notice in writing may order the contractor or his clerk of the works, foreman or other authorised agent to remove such tools, plant, materials, or stores from the premises, within the time to be specified in such notice, and in the event of the contractor failing to comply with any such requisition, the Employer may cause to remove them at the contractor's expense or sell them by auction or private sale on account of the contractor and at his risk in all respects and the certificate of the Engineer-in-Charge as to the expense of any such removal and the amount of the proceeds and expense of any such sale shall be final and conclusive against the contractor.



**Clause-5: TIME AND EXTENSION FOR DELAY:**

The time allowed for execution of the Works by the Contractor as specified in the Schedule 'F' or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the works shall commence from the 15th day after the date on which the Employer issues written orders to commence the work or from the date of handing over of the site whichever is later. If the contractor commits default in commencing the execution of the work as aforesaid, the Employer shall without prejudice to any other right or remedy available in law be at liberty to forfeit the earnest money absolutely.

**Clause -5.1:**

The contractor shall submit a Time and Progress Chart and get it approved by the Engineer-in-Charge. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Employer and the Contractor within the limitations of time imposed in the Contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work exceeds one month (save for special jobs) complete 1/8th of the whole of work before 1/4th of the whole time allowed in the contract has elapsed; 3/8th of the work before one half of such time has elapsed and 3/4th before 3/4th of such time has elapsed.

**Clause -5.2:** If the works be delayed by: -

- a) Force majeure, or
- b) Excepted risk;
- c) abnormally bad weather, or
- d) serious loss or damage by fire, or
- e) civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or
- f) delay on the part of other contractors or tradesmen engaged by the Employer in executing work not forming part of this Contract, or
- g) Non-availability of stores, which are the responsibility of the Employer to supply or
- h) any other cause which, in the absolute discretion of the authority mentioned in Schedule 'F' is beyond the Contractor's control,

then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Employer but shall nevertheless use constantly his best endeavour to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in charge to proceed with the works.

**Clause -5. 3:**

Request for extension of time, to be eligible for consideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay to the Accepting Authority. The Contractor shall also, if practicable, indicate in such a request the total period for which extension is desired, overlapping period, if any, with earlier events causing delays, net- extension required.

**Clause -5.4:**

In such case the authority may give a fair and reasonable extension of time for completion of work. Such extension shall be communicated to the Contractor by the Employer in writing, within 15 days of the date of receipt of such request.

Non application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Employer and this shall be binding on the contractor.

**Clause - 6:**

- (i) Engineer-in-charge is duty bound to, except as otherwise provided, as certain and determine by measurement the value in accordance with the contract of work done.
- (ii) ALL measurement of all items having financial value shall be entered in Measurement Book so that a complete record is obtained of all works performed under the contract. All such measurement books shall be with machine numbered pages with a certificate of the Engineer-in-charge regarding the name of the work and contractor and number of pages. All such measurement books and level books shall be maintained carefully, work wise and shall be handed over to the Employer at the completion of the work.
- (iii) All measurements shall be taken jointly by the Architect/Site engineer authorized by the Engineer-in-Charge and the contractor or his authorized representative from time to time during the progress of the work and all such measurements shall be verified by the Engineer-in-Charge/Architect to verify the accuracy of the measurement and signed and dated by the Engineer-in-Charge/Architect in token thereof and by the contractor or his representatives in token of their acceptance. Employer reserves the right to test check the measurements to the extent of 25% of measurements of each and/ or all items verified by the Engineer-in-Charge and any discrepancies are found they shall be corrected by the Employer and it shall be binding on the contractor. If the contractor objects to any of the measurements corrected a note shall be made to that effect with reason and signed by both parties.
- (iv) The contractor shall, without extra charge, provide all assistance by providing appliance, labour and other things necessary for such measurements.
- (v) Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Indian Standard Institution and if for any item no such standard is available then a mutually agreed method shall be followed.
- (vi) The contractor shall give not less than seven days' notice to the Engineer in-Charge or his authorized representative in-charge of the work and Employer before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be test checked and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of the Engineer-in-Charge or his authorized representative in-charge of the work and Employer who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of measurements without such notice having been given or the Engineer-in-Charge's and Employer consent being obtained in writing the same shall be uncovered at the contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.
- (vii) Engineer-in-charge or his authorized representative may cause to check the measurements recorded jointly or otherwise as aforesaid and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.

- (viii) Recording of measurements of any item of work in the measurement book and/or its payment in the interim on account of final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects noticed till completion of the defects liability period.

**Clause 7:**

- (i) No payment shall be made for a item of work, estimated to cost Rs 50,000/- (Rupees Fifty thousand) or less till after the whole of the work shall have been completed and certificate of completion given.
- (ii) For item of works estimated to cost over Rs.50, 000/- (Fifty thousand) the interim or running account bills, duly accompanied by detailed measurements as may be required by the Engineer-in-Charge or the Employer, shall be submitted by the contractor for the work executed on the basis of such recorded measurements on the format of the Employer in triplicates on or before the date of every month fixed for the same by the Engineer-in-charge/employer. The payment of such items will be done on pro-rata basis.
- (iii) All such interim payments accepted by the Contractor shall be regarded as payments by way of advances against final payment only. These shall not preclude the requiring of bad, unsound, and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or re-erected. Any certificate given by the Engineer-in-charge relating to the work done or materials delivered forming part of such payment, may be modified, or corrected by any subsequent such certificate(s) or by the final certificate and shall not by itself be conclusive evidence that any work or materials to which it relates is/are in accordance with the contract and specifications. Any such interim payment, or any part thereof shall not in any respect conclude, determine, or affect in any way powers of the Engineer-in-charge/Employer under the contract or any of such payments be treated as final settlement and adjustment of accounts or in any way vary or affect the contract.
- (iv) Pending consideration of extension of date of completion interim payments shall continue to be made as herein provided

**Clause - 8:**

- (i) If there is no defect in the work Engineer-in-charge shall furnish the contractor with a final certificate of completion. Otherwise, a provisional certificate of physical completion indicating defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced rates, shall be issued.

No final certificate of completion shall be issued, nor shall the work be considered to be complete by the employer until the contractor shall have removed from the premises on which the work shall be executed all scaffolding, surplus materials, rubbish and all arrangements required for his / their work people on the site in connection with the execution of the works as shall have been erected or constructed by the contractor(s) and cleaned off the dirt from all wood work, doors, windows, walls, floor or other parts of the building, in, upon, or about which the work is to be

executed or of which he may have had possession for the purpose of the execution thereof, and not until the work shall have been measured by the Engineer-in-Charge. The labours employed by the contractor will be allowed to use ONE BLOCK OF toilets provided at the premises. However, the contractor will be fully responsible to ensure that no damage/malfunction/disfunction (including choke up) of the toilets take place. It will be responsibility of contractor to surrender the toilet block to the employer in SAME CONDITION as it was handed over to the contractor.

The contractor will need to carry out re-tiling works or replace the sanitary fixtures as per employer's requirement if the same are not found in the SAME CONDITION as was handed over to the contractor. If the contractor shall

fail to comply with the requirements of this Clause as to removal of scaffolding, surplus materials and rubbish and all arrangements as aforesaid and cleaning off dirt on or before the date fixed for the completion of work, the Engineer-in-Charge may at the expense of the contractor remove such scaffolding, surplus materials and rubbish, etc., and dispose of the same as he thinks fit and clean off such dirt as aforesaid, and the contractor shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any sum actually realised by the sale thereof.

**Clause 9:**

- (1) The Contractor shall submit the final bill in the same manner as specified in interim bills within one month of physical completion of the work or within 15 days of the date of the final certificate of completion furnished by the Engineer-in-Charge whichever is earlier. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute for quantities and rates as approved by Engineer-in-Charge, shall be made by the employer within the period specified herein under, the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge or his authorised representative complete with account of materials issued by the Employer, dismantled materials, if any theoretical consumption of materials, inventory of fittings and fixtures, detailed measurements etc. Complete.

- |    |  |   |          |
|----|--|---|----------|
| a) | If the gross amount of the work done<br>under the contract items, plus that<br>of additional deviated items is upto<br>Rs.2 lakhs. | : | 1 months |
| b) | - do - exceeds Rs. 2lakhs & is upto Rs.20lakhs   | : | 2 months |
| c) | - do - exceeds Rs.20lakhs  | : | 3 months |

**Clause –10: MATERIALS SUPPLIED BY EMPLOYER:**

No materials will be supplied by the Employer.

**Clause -10 A: MATERIALS TO BE PROVIDED BY THE CONTRACTOR, TESTS**

- (i) The contractor shall, at his own expense, provide all materials, required for the works other than those which are stipulated to be supplied by Employer, if any.
- (ii) The contractor shall, at his own expense and without delay supply to the Engineer-in-charge samples of materials to be used on the work and shall get these approved in advance. All such materials to be provided by the Contractor shall be in conformity with the specifications laid down or referred to in the contract. The contractor shall, if requested by the Engineer-in-charge furnish proof, to the satisfaction of the Engineer-in-Charge that the materials so comply. The Engineer-in-Charge may within 15 days of supply of samples or within such further period as he may require and so intimated to the Contractor in writing, inform the Contractor whether samples are approved by him or not. If samples are not approved, the Contractor shall forthwith arrange to supply to the Engineer-in-Charge for his approval fresh samples complying with the specifications laid down in the Contract. When materials are required to be tested in accordance with specifications, approval of the Engineer-in-Charge shall be issued after the test results indicate the specification laid down under the contract are met with.
- (iii) The Contractor shall at his risk and cost submit the samples of materials to be tested or analysed and shall not make use of or incorporate in the work any materials represented by the samples until the required tests or analysis have been made and material finally accepted by the Engineer-in-Charge. The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of materials.

- (iv) The contractor shall at his risk and cost make all arrangements and shall provide all facilities as the Engineer-in-Charge may require for collecting and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Engineer-in-Charge and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications. The Employer and or Engineer-in-Charge or his authorised representative shall at all the times have the right to inspect/supervise the works and access to all workshops and places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works. The contractor shall afford every facility and every assistance as required by the Employer/ Engineer-in-Charge.
- (v) The Engineer-in-Charge/Employer shall have full powers to require the removal from the premises of all materials which in his opinion are not in accordance with the specifications, and in case of default, the Employer/Engineer-in-Charge shall be at liberty to employ at the expense of the contractor other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials. The Engineer-in-Charge/authorised representative of employer shall also have full powers to require other proper materials to be substituted thereof and in case of default the Engineer-in-Charge/ Employer may cause the same to be supplied and all cost which may attend such removal and substitution shall be borne by the Contractor.

**Clause 10-B:**

- |   |   |                                     |
|---|---|-------------------------------------|
| <b>A. &gt; SECURED ADVANCE ON MATERIALS</b> | : | No advance will be paid.            |
| <b>B. &gt; MOBILISATION ADVANCE</b>         | : | No advance will be paid.            |
| <b>C. &gt; PLANT AND MACHINERY ADVANCE</b>  | : | No advance will be paid.            |
| <b>D. &gt; INTEREST APPLICABILITY</b>       | : | Not applicable for the present case |

**Clause - 10 C: ESCALATION:**

The rate quoted shall be firm throughout the tenure of the contract including extension of time, if any, granted and will not be subject to any fluctuation due to increase in cost of materials, labour, etc. or any other tax. There shall be **NO ESCALATION** on the quoted rates.

The basic rates indicated in bill of quantities for material is only to facilitate the Bank to select the material. Any variation in the market price shall be absorbed by the contractor & no extra is payable by Bank.

**Clause -11:**

- (i) The contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner and both as regards materials and otherwise in every respect in strict accordance with the specifications. "The contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of the work signed by the Engineer-in- Charge and the Contractor shall be furnished free of charge one copy of the contract documents together with specifications, designs, drawings and instructions as are not included in the standard specifications of Schedule 'F' or in any Bureau of Indian Standard or any other, published standard or code or, Schedule of Rates or any other printed publication referred to elsewhere in the contract.
- (ii) The contractor shall comply with these provisions and with due care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and

maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from these presents.

(iii) The Contractor shall take full responsibility for adequacy, suitability, and safety of all the works and methods of construction.

#### **Clause - 12: DEVIATION/ VARIATIONS EXTENT & PRICING:**

The Employer and /or The Engineer- in- Charge with the specific approval of the employer shall have power: -

- (i) To make alteration in, omissions from, additions to or substitutions for the original specifications, drawings, designs, and instructions that may appear to him to be necessary or advisable during the progress of the work, and
- (ii) To omit a part of the works or Item of the works or reduce the quantity in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitution shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work without any extra compensation except as hereafter provided:
  - (a) No work which radically changes the original nature of the contract shall be ordered by the Engineer-in-Charge as a deviation.
  - (b) In the event of any deviation being ordered which in the opinion of the Contractor changes the original nature of the Contract, he shall within SEVEN days of having been so ordered bring this to the notice of the Engineer-in-Charge with the reasons but nevertheless carry it out and the disagreement as to the nature of work and the rate to be paid therefore shall be resolved in accordance with Clause 25.

#### **Clause -12.1:**

The time for completion of the works shall, in the event of any deviations resulting in additional cost over the contract sum being ordered, be extended by the employer if requested by the Contractor as follows:

- (a) In the proportion which the additional cost of the altered, additional or substituted work, bears to the original Contract sum plus
- b) 25% of the time calculated in (a) above or such further additional time as may be considered reasonable on the recommendations of by the Engineer-in-Charge.

Rates for such altered, additional, or substituted work shall be determined by the Employer as follows on the recommendations of Engineer-in-Charge:

- (i) If the rate for altered, additional or substituted item of work is specified in the Schedule of Quantities, the Contractor shall carry out the altered, additional or substituted item at the same rate. In the case of composite tenders, where two or more schedules of quantities may form part of the contract, the applicable rate shall be taken from the schedule of quantities of that particular part in which the deviation is involved, failing that at the lowest applicable rate for the same item of work in the other Schedules of Quantities.
- (ii) If the rate for any altered, additional or substituted item of work is not specified in the Schedule of Quantities, the rate for that item shall be derived from the rate for the nearest similar item specified therein. In case of

composite tenders where two or more schedule of quantities form part of the contract, the rate shall be derived from the nearest similar item in the Bills of Quantities of the particular part of works in which the deviation is involved failing that from the lowest of the nearest similar items in other schedule of quantities.

- (iii) If the rate for altered, additional or substituted item of work cannot be determined in the manner specified in sub-para (i) and (ii) above, then such item of works shall be carried out at the rate entered in the Schedule of Rates mentioned in Schedule 'F' plus/minus the percentage by which the tendered amount of the works actually awarded is higher or lower than the estimated amount of the works actually awarded.
- (iv) If the rate for any altered, additional or substituted item of work cannot be determined in the manner specified in Sub-para (i) to (iii) above, the Contractor shall, within SEVEN days of the date of receipt of the order to carry out the said work, inform the Engineer-in-Charge of the rate which he proposes to claim for such item of work, supported by analysis of the rate claimed, and the Engineer in- Charge shall within SEVEN thereafter, after giving due consideration to the rate claimed by the Contractor, determine the rate on the basis of market rate(s). In the event of the Contractor failing to inform the Engineer-in-Charge within the stipulated period of time, the rate which he proposes to claim, the rate for such item shall be determined by the Engineer-in-Charge on the basis of market rate (s) only.

**Clause -12.4:** The contractor shall send to the Engineer-in-Charge once in every month till completion date account giving complete details of all claims for additional payments to which the contractor may consider himself entitled and of all additional work ordered by the Engineer-in-Charge which he has executed during the preceding quarter failing which the contractor shall be deemed to have waived his right and to have no claim in the matter.

**Clause -12.5:** No increase of rates under clause 12.1 shall be made unless within the stipulated period after the order of variation and before the commencement of such quantities a notice shall have been given in writing by the party Claiming increase.

### **Clause -13: FORECLOSURE OF CONTRACT IN FULL OR IN PART**

- (i) The employer shall give notice in writing at any time after acceptance of the tender, if the Employer shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the works to be carried out, to that effect to the Contractor and the contractor shall act accordingly in the matter and the Contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.
- (ii) The employer may pay to the Contractor at Contract rates full amount for works executed at Site and, in addition, a reasonable amount as certified by the Engineer-in-Charge for the Items hereunder mentioned which could not be utilised on the work to the full extent in view of the foreclosure and the contractor expressly agrees for such payment without demur.
  - a) Any expenditure incurred on preliminary sitework.
  - b) Employer shall have the option to take over Contractor's materials or any part thereof either brought to site or of which the Contractor is legally bound to accept delivery from suppliers (for incorporation in or incidental to the work). For materials taken over or to be taken over by the Employer cost of such materials as detailed by Engineer-in-Charge shall be paid. The cost shall, however, take into account purchase price, cost of transportation and deterioration or damage which may have been caused to materials whilst in the custody of the Contractor.

- c) Reasonable compensation for transfer of T & P from Site to Contractor's permanent stores or to his other Works, whichever is less. If T & P are not transported to either of the said places, no cost of transportation shall be payable.
  - d) Reasonable compensation for repatriation of Contractor's Site staff and imported labour to the extent necessary.
  - e) The reasonable amount of items on (a), (c) and (d) above shall not be in excess of 2% of the cost of the work remaining incomplete on the date of closure, i.e., total stipulated cost of the work as per accepted tender less the cost of work actually executed under the contract and less the cost of contractor's materials at site taken over by the Employer as per item above. Provided always that against any payments due to the contractor on this account or otherwise, the Employer shall be entitled to recover to be credited with any outstanding balances due from contractor for advances paid in respect of any tool, plants and materials and any other sums which at the date of termination were recoverable by the employer from the contractor under the terms of the contract.
- (iii) The Contractor shall, if required by the Employer/Engineer-in-Charge furnish to him books of account, wage books, time sheets and other relevant documents and evidence as may be necessary to enable him to certify the reasonable amount payable under this Condition.

Provided always that against any payments due to the contractor on this account or Otherwise, the Employer shall be entitled to recover or be credited with any outstanding balances due from the contractor for advance paid in respect of any tool, plants and materials and any other sums which at the date of termination were recoverable by the Government from the contractor under the terms of the contract.

**Clause -14: CANCELLATION OF CONTRACT IN FULL OR PART:**

**i. > If contractor:**

- (a) at any time makes default in proceeding with the works or any part of the work with due diligence or poor quality of work / workmanship or non-compliance of contract specifications and continues to do so after a notice in writing of 7 days from the Employer and or Engineer-in-Charge; or
- (b) commits default in complying with any of the terms and conditions of the Contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Employer and or Engineer-in-Charge; or
- (c) fails to complete the works or items of work with individual dates of completion, on or before the date(s) of completion, and does not complete them within the period specified in a notice in writing is given to him in that behalf by the Employer and or Engineer-in-Charge; or
- (d) shall offer or give or agree to give to any person in Bank service or to any other person on his behalf any gift or consideration of any as an inducement or reward for doing or for bearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other Contract for the Employer or;
- (e) shall enter into a Contract with the Bank in connection with which commission has been paid or agreed to be paid by him or his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the Employer /Engineer-in-Charge; or
- (f) shall obtain a Contract with the Employer as a result of wrong tendering or other non-bona-fide methods of competitive tendering; or being an individual, or in a firm, any partner thereof shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any



proceedings for liquidation or composition (other than a voluntary liquidation for the purpose or amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the to me being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors; or

- (g) being a company, shall pass a resolution or the Court shall make an order for the winding up of the company or a receiver or manager on behalf of the debenture holders or others shall be appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or manager; or
- (h) shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days; or
- (i) assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Accepting Authority;
- (j) the Accepting Authority may, without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to the Employer, by a notice in writing cancel the contract as a whole or only such of items in default from the Contractor.

The Employer / Engineer-in-Charge shall on such cancellation by the accepting authority have powers to, for which the Contractor shall hereby unconditionally agree:

- (a) to take possession of the Site and any materials, constructional plant, implements, stores, etc., thereon; and/or
- (b) to carry out the incomplete work by any means at the risk and cost of the Contractor.

ii. > On cancellation of the Contract in full or in part, the Engineer-in-Charge shall determine what amount, if any, is recoverable from the Contractor for completion of the works or part of the Works or in case the Works or part of the Works is not to be completed, the loss or damage suffered by the Employer. In determining the amount, credit shall be given to the Contractor for the value of the work executed by him up to the time of cancellation, the value of Contractors' materials taken over and incorporated in the work and use of tackle and machinery belonging to the Contractor.

iii. > Any excess expenditure incurred or to be incurred by the Employer in completing the Works or part of the Work or the excess, loss or damages suffered or may be suffered by the Employer as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to Employer in law be recovered from any money due to the Contractor on any account, and if such moneys are not sufficient the Contractor shall be called upon in writing and shall be liable to pay the same within 30days.

iv. > If the Contractor shall fail to pay the required sum within the aforesaid period of 30 days, the Engineer-in-Charge with the approval of the Employer shall have the right to sell any or all of the Contractor's unused materials, constructional plant, implements, temporary buildings, etc. and adjust the proceeds of sale thereof towards the satisfaction of any sums due from the Contractor under the Contract and if thereafter there be any balance outstanding from the Contractor, it shall be recovered in accordance with the provisions of the Contract.

v. > Any sums in excess of the amounts due to the Employer and unsold materials, constructional plant, etc., shall be returned to the Contractor, provided always that if cost or anticipated cost of completion by the Employer of the Works or part of the Works is less than the amount which the Contractor would have been paid had he completed the Works or part of the Works, such benefit shall not accrue to the Contractor.

In the event of above course being adopted by the Engineer-in-Charge, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advance on any account or with a view to the execution of the work or the performance of the contract.

**Clause -15: SUSPENSION OF WORK:**

a) The Contractor shall, on receipt of the order in writing of the Employer, whose decision shall be final and binding on the Contractor, suspend the progress of the Works or any part thereof for such time and in such manner as the Employer may consider necessary so as not to cause any damage or injury to the work for any of the following reasons:

- (i) on account of any default on the part of the Contractor or;
- (ii) for proper execution of the works or part thereof for reasons other than the default of the Contractor; or
- (iii) for safety of the Works or part thereof.

The Contractor shall, during such suspension, properly protect and secure the Works to the extent necessary and carry out the instructions given in that behalf by the Engineer-in-Charge.

b) If the suspension is ordered for reasons (ii) and (iii) in sub para (a) above.

- (i) the contractor shall be entitled to an extension of time equal to the period of every such suspension PLUS 25%, for completion of the item or group of items of work for which a separate period of completion is specified in the Contract and of which the suspended work forms a part; and

c) If the Works or part thereof is suspended on the orders of the Employer for more than three-months at a time, except when suspension is ordered for reason (i) in sub-para (a) above, the Contractor shall after receipt of such order serve a written notice on the Employer requiring permission within fifteen days from receipt by the Employer of the said notice, to proceed with the Works or part thereof in regard to which progress has been suspended. If such permission is not granted within that time, the Contractor, if he intends to treat the suspension, where it affects only a part of the works as an omission of such part by the Employer or where it affects whole of the Works, as an abandonment of the Works by the Employer shall within ten days of expiry of such period of 15 days give notice in writing of his intention to the Employer. In the event of the Contractor treating the suspension as an abandonment of the Contract by the Employer, he shall have no claim to payment of any compensation on account of any profit or advantage which he might have derived from the execution of the work in full but which he could not derive in consequence of the abandonment.

**Clause -16: INSPECTION:**

- (i) All works under or in course of execution or executed in pursuance of the Contract shall be at all times be open and accessible to the inspection and supervision of the Engineer-in-Charge and or Employer, his authorised subordinates in charge of the work and to all his superior officers of the Quality Control Organisation of the Employer or any Consultant of the Employer and of the Chief Technical Examiner's Office under Central Vigilance Commission.

- (ii) The Contractor shall at all times during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the contractor, either himself be present to receive orders and Instructions and inspections or have a responsible agent duly accredited in writing present for that purpose. Orders given to the contractor's agent shall be considered to have the same force as if they had been given to the Contractor himself.
- (iii) IF it shall appear to the Engineer-in-Charge and or Employer or his authorized subordinates in-charge of the work or to the Engineer in charge of Quality Control or any Consultant of the Employer or to the Chief Technical Examiner, that any work has been executed with unsound, imperfect, or unskilful workmanship, or with materials or articles provided by him for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract, the contractor shall, on demand in writing, which shall be made within twelve months of the completion of the work, from the Employer and or Engineer-in-Charge specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for, forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost. In the event of the contractor failing to do so within a period specified by the Employer / Engineer-in-Charge in his demand aforesaid, then the contractor shall be liable to pay compensation at the same rate as under the clause 2 for non-completion of the work in time for this default.

IN such case the Engineer-in-Charge may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the Employer or the competent authority may consider reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the safety and without substantially affecting the utility of the item and the structure or he may reject the work outright without any payment and/or get it and other connected and incidental items rectified, or removed and re executed at the risk and cost of the contractor. Decision of the Engineer in- Charge to be conveyed in writing in respect of the same will be final and binding on the contractor.

#### **Clause -17:**

If the contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road curb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grass land, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within twelve months after a certificate final or otherwise or its virtual completion shall have been given by the Employer/Engineer-in-Charge as aforesaid arising out of defect or improper materials or workmanship the contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default the Employer/Engineer-in-Charge cause the same to be made good by other workmen and deduct the expense from any sums that may be then or at any time thereafter may become due to the contractor, or from his security deposit. Fifty (50) percent of the security deposit may be refunded after the expiry of six months (after the virtual completion of the work) or after the final bill has been prepared and passed whichever is later, and the remaining fifty (50) percent of the Security Deposit shall be refunded fourteen (14) days after the expiry of the defect liability period of twelve months after the completion of the work provided that all the works are carried out as per specifications and condition of contract and all the defect and damages are rectified satisfactorily to the satisfaction of the Employer/Engineer in- Charge. The refund of the security deposit is subject to the condition that the contractor has deposited the security deposit in form of DD and remaining amount has been adjusted from running bills of the contractor.

**Clause -18:**

THE contractor shall provide at his own cost all materials, plant, tools, appliances, implements, ladders, cordage, tackle, scaffolding and temporary works required for the proper execution of the work, whether original, altered or substituted and whether included in the specification or other documents forming part of the contract or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-Charge as to any matter as to which under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage therefore to and from the work. The contractor shall also supply without charge the requisite number of persons with the means and materials, necessary for the purpose of setting out works, and counting, weighing, and assisting the measurement for examination at doing the same may be provided by the Engineer-in-Charge at the expense of the contractor

and the expenses may be deducted, from any money due to the contractor, under this contract or otherwise and or from his security deposit or the proceeds of sale thereof, or of a sufficient portions thereof.

**Clause –18 A:**

In every case in which by virtue of the provisions sub-section of Section 12, of the Workmen's Compensation Act, 1923, Employer is obliged to pay compensation to a workman employed by the contractor, in execution of the works, Employer shall be entitled to recover from the contractor the amount of the compensation so paid; and, without prejudice to the rights of the Employer under sub-Section 12, of the said Act, Employer shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by the Employer to the contractor whether under this contract or otherwise. The Employer shall not be bound to contest any claim made against it under Section 12, of the said Act, except on the written request of the contractor and upon his giving to the Employer full security for all cost for

which the Employee might become liable in consequence of contesting such claim.

**Clause –18 B:**

In every case in which by virtue of the provisions of the Contract Labour (Regulation and Abolition) Act 1970, and of the Contract Labour (Regulation and Abolition) Central Rules, 1971, the Employer is obliged to pay any amounts of wages to a workman employed by the contractor in execution of the works, or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and the rules under Clause 19H or under the Contractors' Labour Regulations, or under the Rules framed by the State or Central Employer from time to time for the protection of health and sanitary arrangements for workers employed by the Contractors, the Employer shall be entitled to recover from the contractor the amount of wages so paid or the amount of expenditure so incurred; and without prejudice to the rights of the Employer under sub-Section (2) of Section 20, and sub- Section (4) of Section 21, of the Contract Labour (Regulation and Abolition) Act, 1970, the Employer shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by the Employer to the contractor whether under this contract or otherwise. The

Employer shall not be bound to contest any claim made against it under sub-Section (1) Section 20 and sub-Section (4) of Section 21, or any other provisions of the said Act, except on the written request of the contractor and upon his giving

to the Employer full security for all costs for which the Employer might become liable in contesting such claim.

**Clause –19:**

The contractor shall obtain a valid license under the Contract Labour (R&A) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work, and continue to have a valid

license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986. The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996. Any failure to fulfil these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.

**Clause –19 A:**

NO labour below the age of eighteen years shall be employed on the work.

**Clause –19 B: PAYMENT OF WAGES:**

- i) The contractor shall pay to labour employed by him either directly or through sub-contractors, wages not less than fair wages as defined as per the provisions of the Contract Labour (Regulation and Abolition) Act 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971 wherever applicable. Such wages paid shall not less than the wages fixed by the state and/or Central Employer under the Minimum Wages Act applicable to the work.
- ii) The contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labour in directly engaged on the work including any labour engaged by his sub-contractors in connection with the said work, as if the labour had been immediately employed by him.
- iii) In respect of all labour directly or indirectly employed in the works for performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with the Contractor's Labour Regulations made by Employer and or the Employer (State and Central) from time to time in regard to payment of wages, wage period, deductions from wages, recovery of wages not paid and deductions unauthorisedly made, maintenance of wage books or wage slips, publication of scale of wages and other terms of employment, inspection and submission of periodical returns and all other matters of the like nature or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.
- iv) (i) The Employer and/or his Engineer-in-Charge concerned shall have the right to deduct from the moneys due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfilment of the conditions of the contract for the benefit of the workers, non-payment of wages or of deductions made from his or their wages which are not justified by their terms of the contract or non-observance of the Regulations.
- (ii) Under the provision of Minimum Wages (Central) Rules 1950, the contractor is bound to allow to the labour directly or indirectly employed in the works one day rest for 6 days continuous work and pay wages at the same rate as for duty. In the event of default the Employer and or Engineer-in-Charge shall have the right to deduct the sum or sums not paid on account of wages for weekly holidays to any labour and pay the same to the persons entitled thereto from any money due to the contractor by the Employer.

In cases where the state Government or Government of the Union of India where all-inclusive minimum daily wages are fixed and such wages are inclusive of wages for the weekly day of rest, the question of extra payment for weekly holiday would not arise.

- v) The contractor shall comply with the provisions of the payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractors Labour (Regulation and Abolition) Act 1970, or the modifications thereof or any other laws relating thereto and the rules made thereunder from time to time.
- vi) The contractor shall indemnify and keep indemnified the Employer against payments to be made under and for the observance of the laws aforesaid and the Contractors' Labour Regulations without prejudice to his right to claim indemnify from his sub-contractors.
- vii) The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.
- viii) Whatever is the minimum wage for the time being, or if the wage payable is higher than such wage, such wage shall be paid by the contractor to the workmen directly without the intervention of Jamadar and that Jamadar shall not be entitled to deduct or recover any amount from the minimum wage payable to the workmen as and by way of commission or otherwise.

The Contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by the Jamadar from the wage of workmen.

**Clause -19 C:**

In respect of all labour directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his own expense arrange for the safety provisions as per Government and Employer's safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the contractor fails to make arrangement and provide necessary facilities as aforesaid he shall be liable to pay a penalty of Rs.200/- for each default and in addition the Engineer-in-Charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the contractor.

**Clause -19 D:**

The contractor shall submit by the 4th and 19th of every month, to the Engineer in- Charge a true statement showing in respect of the second half of the preceding month and the first half of the current month respectively.

- (1) the number of labourers employed by him on the work.
- (2) their working hours,
- (3) the wages paid to them,
- (4) the accidents that occurred during the said fortnight showing the circumstances.
- (5) the number of female workers who have been allowed Maternity Benefit according to Clause 19F and the amount paid to them.

Failing which the contractor shall be liable to pay to Employer a sum not exceeding Rs.200/- for each default or materially incorrect statement. The decision of the Engineer-in-Charge shall be final in deducting from any bill due to the contractor the amount levied as fine and be binding on the Contractor.

**Clause -19 E:**

The contractor shall comply with or cause to be complied with all the rules framed by the State and or Central Government from time to time for the protection of health and sanitary arrangements for workers employed, in respect of all labour directly or indirectly employed in the works for the performance of the contractor's part of this contract.

**Clause -19 F:**

The Contractor shall maintain appropriate records for LEAVE and pay during leave and the same shall be regulated as per relevant/latest labour laws.

**Clause -19 G: DEFAULT AS TO REGULATIONS/ RULES:**

- (i) In the event of the contractor(s) committing a default or breach of any of the provisions of Contractors' about Regulations and Model Rules for the protection of health and sanitary arrangements for the workers as amended from time to time or furnishing any information or submitting or filling any statement under the provisions of the above Regulations and Rules which is materially incorrect, the contractor shall without prejudice to any other liability pay to the Employer a sum not exceeding Rs.100/- for every default, breach or furnishing, making, submitting, filing such materially incorrect statements and in the event of the contractor(s) defaulting continuously in this respect, the penalty may be enhanced to Rs.50/- per day for each day of default subject to a maximum of 5 percent of the estimated cost of the work put to tender. The decision of the Engineer-in-Charge / Employer shall be final and binding on the contractors.
- (ii) Should it appear to the Engineer-in-Charge/ Employer that the contractor(s) is/are not properly observing and complying with the provisions of the Contractor's Labour Regulations and Model Rules and the provisions of the Contract Labour (Regulation and Abolition) Act 1970, and the Contract Labour (R & A) Central Rules 1971, for the protection of health and sanitary arrangements for work-people the Engineer-in-Charge/ Employer shall have power to give notice in writing to the contractor(s) requiring that the said Rules be complied with and the amenities prescribed therein be provided to the workpeople within a reasonable time to be specified in the notice. If the contractor(s) shall fail within the period specified in the notice to comply with and/observe the said Rules and to provide the amenities to the work-people as aforesaid, the Engineer-in-Charge shall have the power to provide the amenities hereinbefore mentioned at the cost of the contractor(s).

The accommodation facility at the site is not permitted. Hence the contractor will provide the necessary accommodation arrangements for its labours at place other than the premises.

**Clause –19 H: CAMP:**

Facility like toilets, water supply, rest rooms shall be provided for the labours as per labours regulations for similar works.

**Clause -19 - I: COMPLIANCE AS TO EMPLOYEES' SERVICE:**

THE Engineer-in-Charge/ Employer may require the contractor to dismiss or remove from the site of the work any person or persons in the contractors' employment who may be incompetent or misconduct himself or undesirable person and the contractor shall forthwith comply with such requirements.

**Clause –19- K: ILLEGAL OCCUPATION:**

The contractor shall undertake to see that the premises of execution is not occupied by anybody unauthorisedly during the execution of the project, and is handed over to the Employer through his Engineer-in-Charge with vacant possession

of the premises. If such premises though completed is occupied illegally, then the Employer shall have the option to refuse to accept the said site in that position, and delay in acceptance on this account will be treated as delay in completion and for such delay a levy upto 5% of estimated cost put to tender may be imposed by the Employer whose decision shall be final both with regard to the justification and quantum and be binding on the Contractor.

However, the Employer may request the contractor through a notice to remove the illegal occupation any time on or before the completion of project.

**Clause – 20: COMPLIANCE WITH STATUTE:**

THE Contractor shall comply with all the provisions of the Minimum Wages Act, 1948, Contract Labour (Regulation and Abolition) Act 1970, EPF & MP Act 1952, ESI Act and amendments from time to time and rules framed thereunder and other labour laws affecting contract labour that may be brought into force from time to time.

**Clause – 21: ASSIGNMENT:**

The contract shall not be assigned or sublet without the written approval of the Employer. And if the contractor shall assign or sublet his contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, be given, promised or offered by the contractor, or any of his servants or agent to any officer or person in the employ of the Employer in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Employer shall have power to adopt any of the courses specified in Clause 3 hereof as he may deem best suited to the interest of the Employer and in the event of any of these courses being adopted the consequences specified in the said Clause 3 shall ensue.

**Clause – 22: REASONABLE COMPENSATION:**

All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of the Employer without reference to the actual loss or damage sustained.

**Clause – 23: APPROVAL FOR CHANGE IN CONSTITUTION:**

Where the contractor is a partnership firm, the previous approval in writing of the Employer shall be obtained before any change is made in the constitution of the firm. Where the contractor is an individual business concern such approval as aforesaid shall likewise be obtained before the contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the works hereby undertaken by the contractor. If previous approval as aforesaid is not obtained, the contract shall be deemed to have been assigned in contravention of Clause 21 hereof and the same action may be taken, and the same consequences shall ensue as provided in the said Clause 21.

**Clause – 24: DIRECTIONS AS TO WORK:**

All works to be executed under the contract shall be executed under the direction and subject to the approval in all respects of the Engineer-in-Charge/ Employer who shall be entitled to direct at what point or points and in what manner are to be commenced, and from time to time carried on.

**Clause – 25: SETTLEMENT OF DISPUTES AND ARBITRATION:**



- (i) It shall be accepted as an inseparable part of the contract that in matters regarding conditions & clauses of contract, quality of materials, workmanship, removal or rejection of improper work, interpretation of the drawings and specifications, measurements of materials and/or items of work, mode of procedure and carrying out of the work, the decision of the Employer which shall be given in writing, shall be final, conclusive, and binding on the contractor.
- (ii) (A) If the contractor considers any work demanded of him to be outside the requirements of the contract, or considers any drawings record or decision given in writing by the Engineer-in-Charge on any matter in connection with or arising out of the contract or carrying out of work, to be unacceptable, he shall promptly within 15 days request the Accepting Authority in writing for written instruction or decision. Thereon, the Accepting Authority shall give his written instructions or decision within a period of two months from the receipt of the contractor's letter.  
  
(B) Upon receipt of such written instructions or decision the contractor shall promptly proceed without delay to comply with such instructions or decisions. If the Accepting Authority fails to give his instructions or decision in writing within a period of two months after being requested or if the contractor is dissatisfied with the instructions or decision of the Accepting Authority Employer, the Contractor may within 30 days appeal to the Appointing Authority who shall afford an opportunity to the contractor to be heard and to offer evidence in support of his appeal and give his decision in writing within a period of Thirty (30) days from the receipt of the contractor's request. If the contractor is dissatisfied with the decision of the appointing authority, then the contractor shall within a period of Thirty (30) days from receipt of the decision of the Appointing authority shall indicate his intention to refer the dispute to Arbitration, failing which the said decision of the Appointing authority shall be final and conclusive and not referable to adjudication by the Arbitrator.
- (iii) All disputes or differences in respect of which decisions have not been final, binding, and conclusive as above shall be referred for adjudication by the arbitration by a Sole Arbitrator appointed as follows:

Within Thirty (30) days of receipt of notice from any party to the contract for appointment of the Arbitrator the Appointing authority, in charge of the work (Schedule F) at the time of such appointment shall send to the contractor a panel of three names of persons who shall not presently be connected with the work.

The contractor shall within fifteen (15) days of receipt of this list select and communicate to the Appointing authority the name of one person from the list who shall then be appointed as the sole arbitrator by the Appointing authority.

If contractor fails to communicate his selection of name of the person, within Fifteen (15) days as stipulated, the Appointing authority shall without delay select one person from the list and appoint him as Sole Arbitrator.

If the Appointing authority fails to send such a list within Thirty (30) days as stipulated, the contractor shall send a similar list to the Appointing authority within fifteen (15) days. The Appointing authority shall then select one person from the list and appoint him as the Sole Arbitrator within Thirty (30) days of the receipt of the list.

If the Appointing authority fails to do so then the contractor shall communicate to the Appointing authority the name of one person from the list who shall then be the Sole Arbitrator. If the Arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another sole Arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

- (iv) It is term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such dispute along with the notice for appointment of arbitrator and giving reference to the rejection by the Appointing authority of the appeal and a copy of his notice(s) of intention to refer the dispute to arbitration of such disputes as mentioned in Part (ii) above failing which the notice for appointment of the Arbitrator shall not be treated as notice for appointing the arbitrator.
- (v) It is also a term of this contract that no person other than a person appointed by Appointing authority, in charge of the work as aforesaid should act as arbitrator and if for any reason that is not possible, the matter shall not be referred to arbitration at all.
- (vi) It is also a term of the contract that if the contractor does not make any demand for appointment of arbitration in respect of any claims in writing as aforesaid within 90 days of receiving the intimation from the Appointing authority that the final bill is ready for payment, the claim of the contractor shall be deemed to have been waived and absolutely barred and the Employer shall be discharged and released of all liabilities under the contract in respect of these claims. No party shall be entitled to bring any claim to arbitration if the arbitrator has not been appointed before the expiry of sixty days after defect liability period.
- (vii) The arbitration shall be conducted in accordance with the provisions of the Indian Arbitration and Conciliation ACT 1996 , or any statutory modification or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause.
- (viii) The Arbitrator may from time to time with the consent of the parties enlarge the time for making and publishing the award.
- (ix) It is also a term of this contract that the Arbitrator shall ad judicial on only such disputes as are referred to him by the appointing authority and give separate award against every dispute and claim referred to him and, in all cases, where the total amount of the claims by any party exceed the amount specified in Schedule 'F ' the arbitrator shall give reasons for the award separately for every dispute.
- (x) It is also a term of the contract that any fees, TA, DA and other charges are payable to the Arbitrator shall be paid by both the parties equally.
- (xi) The venue of the arbitration shall be such a place as may be fixed by the Arbitrator in his sole discretion.
- (xii) It is also a term of the contract that the Arbitrator shall be deemed to have entered on the reference on the date of first hearing. The fees, and charges 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 and 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.
- (xiii) The award of the Arbitrator shall be final and binding on both the parties.

**Clause - 26: INDEMNITY:**

The Contractor shall keep and hold the Employer indemnified and harmless from time to time and at all times against all actions, prosecutions proceedings, claims, suits, liabilities (including statutory liability), penalties, demands, charges, costs (including legal costs) and expenses, damages, losses and any other expenses which may be caused to or suffered by or made or taken against the Employer arising out of:

- ix) The breach, default or non-performance of undertakings, warranties, covenants or obligations by the contractor, non-compliance of safety rules, regulations, instructions by the contractor and mishaps occurring at the site due to faulty work executed by the contractor.
- ii) Any contravention or Non-compliance with any applicable laws, regulations, rules, statutory or legal requirements by the Bidder.

Further, the Contractor shall indemnify, protect and save the Employer against all claims, losses, costs, damages, expenses, action suits and other proceedings, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of the services offered by the contractor.

All Indemnities shall survive notwithstanding expiry or termination of the contract and contractor shall continue to be liable under the indemnities.

There is no limit to claims made by the Employer / third parties in case of infringement of Intellectual property rights or for claims relating to the loss of damage to real property and tangible personal property and for bodily injury or death and in these cases the liability will be unlimited." Indemnity format is enclosed as Annexure – 19. The same to be duly filled and submitted by the successful bidder in a non-judicial stamp paper of appropriate value.

#### **Clause - 27: ESTIMATE:**

When the estimate on which a tender is made includes lump sum in respect of parts of the work the contractor may be entitled to payment in respect of the items of work involved or the part of the work in question at the same rates as are payable under this contract for such items, or if the part of the work in question is not, in the opinion of the Engineer-in-Charge capable of measurement, the Employer may at his discretion pay the lump-sum amount entered in the estimate, and the certificate in writing of the Employer shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provisions of the clause.

#### **Clause -28: ACTION WHERE NO SPECIFICATIONS ARE SPECIFIED:**

In the case of any class of work for which there is no such specifications as referred to in Clause 11, such work shall be carried out in accordance with the Bureau of Indian Standards Specifications. In case there are no such specifications in Bureau of Indian Standards, the work shall be carried out as per manufacturers' specifications, if not available then as per District Specifications. In case there are no such specifications as required above, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in- Charge.

#### **Clause - 29: LIEN:**

- (a) Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the contractor, the Engineer-in-Charge or the Employer shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the Contractor and for the purpose aforesaid, the Engineer-in-Charge or the Employer shall be entitled to withhold the security deposit, if any, furnished as the case may be and also have a lien over the same pending finalisation or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the contractor, the Engineer-in-Charge or the Employer shall be entitled to withhold and have a lien to retain to the extent of such claimed amount or amounts referred to above, from any

sum or sums found payable or which may at any time thereafter become payable to the contractor under the same contract or any other contract with the Employer pending finalisation or adjudication of any such claim.

- (b) Any sum of money due and payable to the contractor (including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by the Engineer-in-Charge or the Employer or any other contracting person or persons through Engineer-in-Charge against any claim of the Engineer in- Charge or the Employer or such person or persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Engineer-in-Charge or the Employer or with such other person or persons.
- (c) It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above by the Engineer-in- Charge or the Employer will be kept withheld or retained as such by the Engineer-in-Charge or the Employer till the claim arising out of or under the contract is determined by the arbitrator (if the contracts governed by the arbitration clause) or by the competent court, as the case may be and that the contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to above and duly notified as such to the contractor. For the purpose of this clause, where the contractor is a partnership firm or a limited company, the Engineer-in-Charge or the Employer shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company as the case may be, whether in his individual capacity or otherwise.

#### **Clause -29 A: RIGHT TO AUDIT/TECHNICAL EXAMINATION:**

The Employer shall have the right to cause an audit and technical examination of the works and the final bills of the contractor including all supporting vouchers, abstract, etc., to be made even after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed to have been done by him under the contract and found not to have been executed, the contractor shall be liable to refund the amount of over-payment and it shall be lawful for the Employer to recover the same from him in the manner prescribed in clause 29 or in any other manner legally permissible and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by the Employer to the contractor, without any interest thereon; Provided that the contractor shall not be entitled to payment of any sum paid short where such payment has been agreed upon between the Employer and Engineer-in-Charge on the one hand and the contractor on the other under any term of the contract permitting payment for work after assessment by the Employer and Engineer-in-Charge.

#### **Clause - 30: WATER SUPPLY**

The contractor(s) shall make his/their own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following conditions:

- (i) That the water used by the contractor(s) shall be fit for construction purposes to the satisfaction of the Engineer-in-Charge.
- (ii) The Engineer-in-Charge shall make alternative arrangements for supply of water at the risk and cost of contractor(s) if the arrangements made by the contractor(s) for procurement of water are in the opinion of the Engineer-in-Charge, unsatisfactory.
- (iii) Water required for the work if available at site can be taken with the permission of Local Authorities. In case water is not available, the contractor is required to make his own arrangements at no extra cost.

**Clause - 31: ARRANGEMENTS OF MACHINERY EQUIPMENT:**

The contractor shall arrange at his own expense all tools, plant, machinery, and equipment required for execution of the work.

**Clause - 32: UNDERTAKING BY THE CONTRACTOR & DLP:**

- i) The contractor shall be responsible for rectifying defects noticed in the works within a year (i.e. one year) from the date of completion of the work. For specialized works the guarantee shall be for 10years.

**Clause - 33: CONTRACTORS SUPERINTENDENCE, SUPERVISION, TECHNICAL STAFF & EMPLOYEE:**

- (i) The contractor shall provide all necessary superintendence during execution of the work and as long thereafter as may be necessary for proper fulfilling of the obligations under the contract.

The contractor shall immediately after receiving letter of acceptance of the tender and before commencement of the work, intimate in writing to the Employer the name, qualifications, experience, age, address and other particulars along with certificates, of the principal technical representative to be in charge of the work. Such qualifications and experience shall not be lower than specified in Schedule F. The Employer shall within 15 days of receipt of such communication intimate in writing his approval or otherwise of such a representative to the contractor. Any such approval may at any time be withdrawn and in case of such withdrawal the contractor shall appoint another such representative according to the provisions of this clause. Decision of the tender accepting authority shall be final and binding on the contractor in this respect. The work shall be started only after such a principal technical representative is appointed.

Even If the contractor (or any partner in case of firm/company) who himself has such qualifications, the contractor is bound to provide a principal technical representative of qualifications and experience which shall not be lower than specified in Schedule F.

Instructions given to the principal technical representative shall be deemed to have the same force as if these have been given to the contractor. The Principal Technical Representative and/or the contractor or his responsible authorised agent shall be actually available at site at least on two working days every week, these days shall be determined in consultation with the Engineer-in-Charge as well as fully during important stages of execution of work, during recording of measurement of works and whenever so required by the Engineer-in-Charge by a notice as aforesaid and shall also note down instructions conveyed by the Engineer-in-Charge or his designated representative in the site order book and shall affix his signature in token of noting down the instructions and in token of acceptance of measurements. There shall be no objection if the representative/ agent looks after more than one work and not more than three works in the same station provided these details are disclosed to the Engineer-in- Charge and he shall be satisfied that the provisions and the purpose of this clause are fulfilled satisfactorily.

If the Engineer-in-Charge, whose decision in this respect is final and binding on the Contractor is convinced that no such technical representative or agent is effectively appointed or is effectively attending or fulfilling the provision of this clause, a recovery shall be effected from the Contractor as specified in Schedule 'F' and the Engineer-in-Charge as recorded in the site order book and measurements recorded in Measurement Books shall be final and binding on the contractor.

Further if the Contractor fails to appoint a suitable technical representative or responsible agent and if such appointed person(s) or not effectively present or do not discharge their responsibilities satisfactorily, the Engineer-in-Charge shall have full powers to suspend the execution of the work until such date as a suitable agent is appointed and the Contractor

shall be held responsible for the delay so caused to the work. Contractor shall submit a certificate of employment of the technical representative/responsible agent along with every on-account bill/ final bill and shall produce evidence if at any time so required by the Engineer-in-Charge.

- (ii) The contractor shall provide and employ on the site only such technical assistants as are skilled and experienced in their respective fields and such foremen and Supervisory staff as are competent to give proper supervision to the work.

The contractor shall provide and employ skilled, semi-skilled and unskilled labour as is necessary for proper and timely execution of the work.

The Engineer-in-Charge shall be at liberty to object to and require the contractor to remove from the works any person who in his opinion misconduct himself, or is incompetent or negligent in the performance of his duties or whose employment is otherwise considered by the Engineer-in-Charge to be undesirable. Such person shall not be employed again at works site without the written permission of the Engineer-in-Charge and the persons so removed shall be replaced as soon as possible by competent substitutes.

**Clause - 34: TAXES:**

- (i) Entry Tax, Cess, Profession tax, turnover tax or any other tax on materials and/or completed works unless otherwise specifically excluded in respect of this contract shall be payable by the contractor and Employer shall not entertain any claim whatsoever in this respect other than normal payment for completed item of work at the accepted rate.
- (ii) Goods & Services Taxes (Item rates) on works contract on finished works wherever applicable shall be paid by Bank as per extant rules.
- (iii) If pursuant to or under any law, notification or order any royalty, cess, fee or the like becomes payable by the Employer and does not at any time become payable by the contractor to the State Government and/or the local authorities in respect of any material used by the contractor in the works then in such a case, it shall be lawful to the Employer and the Employer will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from dues of the contractor.

**Clause – 35: TENDERED RATES:**

- (i) All tendered rates shall be inclusive of all taxes (except GST), royalties, cess and levies etc as stated in clause-37. I and payable under respective statutes.
- (ii) The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorised representative of the Employer and/or the Engineer-in-Charge and further shall furnish such other information/document as the Engineer-in-Charge may require from time to time.
- (iii) The contractor shall, within a period of 30 days of the imposition of any such further tax royalties, cess, or levy, pursuant to the constitution (Forty sixth Amendment) Act 1982, give a written notice thereof to the Employer and Engineer-in-Charge that the same is given pursuant to this condition, together with all necessary information relating there to.

**Clause - 36: DEATH:**

Without prejudice to any of the rights or remedies under this contract if the contractor dies, the Employer shall have the option of terminating the contract without compensation to the contractor.

**Clause - 37: RELATIVES:**

The contractor shall not be permitted to tender for works in the Circle office of the Canara Bank (responsible for award of execution of contracts) in which his near relative is posted as an officer in any capacity between the grades of the General Manager and Manager (both inclusive) of premises and estate department. He shall also intimate the names of persons as per Annexure 05 who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Officer in the Canara Bank or the Engineer in Charge employed by the Canara Bank for the work. Any breach of this condition by the Contractor would render him liable to be removed from the approved list of contractors of the Employer.

**Note:** -By the term "near relatives" is meant wife, husband, parents and grandparents, children and grandchildren, brothers and sisters, direct uncles, and aunts and first cousins.

**Clause - 38: EX-EMPLOYEES:**

No Engineer or other officer employed in the Canara Bank shall work as a contractor or employee of a contractor for a period of two years after his retirement from the Bank's service without the previous permission of the Employer. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such person who had not obtained the permission of the Employer as aforesaid, before submission of the tender or engagement in the contractors' service, as the case may be. Names of such persons employed by the Contractor shall be informed as per Annexure 18.

**Clause - 39:**

The work (whether fully constructed or not) and all materials, machines, tools and plants, scaffolding, temporary buildings and other things connected therewith shall be at the risk of the contractor until the work has been delivered to the Employer and a certificate from Engineer in charge to that effect obtained. In the event of the work or any materials properly brought to the site for incorporation in the work being damaged or destroyed in consequence of hostilities or warlike operation, the contractor shall when ordered (in writing) by the Engineer-in-Charge to remove any debris from the site, collect and properly stack or remove in store all serviceable materials salvaged from the damaged work and shall be paid at the contract rates in accordance with the provision of this agreement for the work of clearing the site of debris, stacking or removal of serviceable material and for reconstruction of all works ordered by the Engineer-in-Charge, such payments being in addition to compensation upto the value of the work originally executed before being damaged or destroyed and not paid for. In case of works damaged or destroyed but not already measured and paid for, the compensation shall be assessed by the Engineer in-Charge upto Rs.5,000/- and by the Employer concerned for a higher amount. The contractor shall be paid for the damages/destruction suffered and for the restoring the material at the rate based on analysis of rates tendered for in accordance with the provision of the contract. The certificate of the Engineer in- Charge regarding the quality and quantity of materials and the purpose for which they were collected shall be final and binding on the contractor.

Provided always that no compensation shall be payable for any loss in consequence of hostilities or war-like operations (a) unless the contractor had taken all such precautions against air raid as are deemed necessary by the Engineer-in-Charge (b) for any material etc. not on the site of the work or for any tools, plant, machinery, scaffolding, temporary building, and other things not intended for the work.

In the event of the contractor having to carry out reconstruction as aforesaid, he shall be allowed such extension of time for its completion as is considered reasonable by the employer.

**Clause – 40: APPRENTICES:**

The contractor shall comply with the provisions of the Apprentices Act, 1961 and the rules and orders issued there under from time to time. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

**Clause- 41: CLEARANCE CERTIFICATE:**

Security Deposit of the work shall not be refunded till the contractor produces a clearance certificate from the Labour Officer. As soon as the work is virtually complete the contractor shall apply for the clearance certificate to the Labour Officer under intimation to the Engineer-in-Charge. The Engineer-in-Charge, on receipt of the said communication, write to the Labour Officer to this effect till six months after the date of completion, it will be deemed to have received the clearance certificate and the Security Deposit will be released if otherwise due.

**Clause - 42: DAMAGES & INSURANCE:**

The Contractor shall be responsible for all injury to the work or workmen and employer's officials to persons, animals or things and for all damages to the structural and/or decorative part of property which may arise from the operations or neglect of himself or of any sub-contractor or of any of his or a sub-contractors employees, whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract. The clause shall be held to include interalia, any damages to buildings whether immediately adjacent or otherwise, and any damage to roads, streets, footpaths, or ways as well as damages caused to the buildings and the works forming the subject of this contract by rain, wind or other inclemency of the weather. The contractor shall indemnify the employer and hold harmless in respect of all and any expenses arising from such injury or damages to persons or property as aforesaid and in respect of any claim made in respect of injury or damage under any acts of compensation or damage consequent upon such claim.

The Contractor shall reinstate all damage of every sort mentioned in this clause, so as to deliver the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damages to the property or third parties. The contractor shall effect the insurance necessary and indemnify the employer entirely from all responsibility in this respect. The insurance must be placed with a company approved by the employer and must be effected jointly in the name of the contractor and the employer and the policy lodged with the latter. The scope of insurance is to include loss or damage to the work and workmen and employer's officials due to carelessness, accident including fire, earthquake, floods, etc., damage or loss to the contract itself till this is made over a complete state. Insurance is compulsory and must be effected from the very initial stage. The contractor shall also be responsible for anything which may be excluded from damage to any property arising out of incidents, negligence or defective carrying out of this contract.

The employer shall be at liberty and is hereby empowered to deduct the amount of any damages, compensations, costs, charges and expenses arising or occurring from or in respect of any such claim or damages from any sums due or to become due to the contractor.

**Clause - 43: INSURANCE:**

The contractor shall insure the works and keep them insured until the virtual completion of the contract against all risks and loss or damages by fire and/or earthquake, flood. The insurance must be placed with a company approved by the



Employer, in the joint names of the employer and the contractor for such amount and for any further sum if called to do so by the employer and lodge receipts of premiums paid with the employer within 21 days from the date of issue of letter of acceptance unless otherwise instructed. In default of the contract insuring as provided above, the employer on his behalf may so insure and deduct the premiums paid from any money due or which may become due to the contractor. The contractor shall as soon as the claim under the policy is settled or the work reinstated by the insurance company should they elect to do so, proceed with due diligence will the completion of the works in the same manner as though the damages has not occurred and in all respects under the conditions of the contract. The contractor in case of rebuilding or reinstatement after fire shall be entitled to extension of time for completion as the employer/architect may deem fit.

#### **Clause - 44: ABNORMALLY HIGH AND LOW RATED ITEMS:**

For item rate tenders if, the rates quoted by the lowest bidder for certain items of the Bill of Quantities of the tender are found to be abnormally high or low in comparison to the market rate analysis of the item done by the Architects/Bank and or in comparison to Architect/Bank's method of working out market rate justification for the items, the same shall be governed as under in order to avoid financial loss to the Bank in the event of default of contractors.

- i) For abnormally high rated items (AHR), the progressive payment shall be 80% (eighty percent) of the payment due to the contractor against execution of the AHR item. The balance withheld 20% payment shall be released after 75% of total value of the original contract is complete in financial terms or this 20% withheld payment can be released to the contractor on submission of an unconditional bank guarantee of equivalent amount in the proforma of Bank. Further deviation limit for AHR items shall be nil on plus side and Bank reserves the right to restrict, substitute or not execute the AHR items during execution. The decision of the Architect/Bank's Engineer in this regard shall be final and binding on the contractor.
- ii) For abnormally low rated (ALR) items the contractor shall submit Bank Guarantee of difference in total of amount of ALR item(s) and the total amount of corresponding items at market rate of the Architect/Bank. This bank guarantee shall be valid till completion of the project. In exceptional circumstances, the amount of Bank Guarantees (BG) may be reduced or BG released earlier than completion period if, in view of Architect/Bank's Engineer, all ALR items as provided in the contract are executed as per terms of contract and/or not required to be executed.

The decision of the Architects on identification/ marking of AHR and ALR item is final and binding on the contractor. In case the contractor do not agree for furnishing of Bank Guarantee as above towards ALR items, at the time of award of works, the EMD/Performance guarantee of the contractor shall be forfeited and decision of Architect in this regard shall be final and binding on the contractor.

**SPECIAL CONDITIONS****1 Scope:**

The works to be governed by this contract shall cover civil repair/ renovation work at Centre of Excellence, Gurugram as specified in the **schedule A & E** along with all services, including all materials, labour, delivery and transportation up to destination, safe custody at site, insurance, erection, testing and commissioning of the entire works.

The Contractor shall obtain all the relevant permissions from the local governing departments (wherever applicable) and shall bear the incidental expenses for the same. Any statutory payments, deposits, fee made to the appropriate authorities for permanent services connections shall be reimbursed by the Employer provided the receipts/ deposits are in the name of the Canara Bank.

The Contractor shall also be responsible to obtain all the Temporary service connections i.e. Electricity Power, Water and Sewerage (wherever applicable) connections and shall bear any incidental expenses, fees, deposits, monthly consumption charges required for the construction work.

The works to be undertaken by the contractor shall inter alia include the following:

- i. Preparation of detailed SHOP drawings and AS BUILT drawings wherever applicable.
- ii. Obtaining of Statutory permissions from statutory body and Local Authority where-ever applicable and required.
- iii. Pre-commissioning tests as per relevant standard specifications, code of practice, Acts and Rules wherever required.
- iv. Warranty obligation for the equipments, materials and/or fittings/fixtures supplied by the contractor.

All the hidden items such as CIVIL conduits etc. are to be properly tested as per the design conditions before covering and their measurements in measurement book duly test checked shall be deposited with Engineer in charge or his authorized representative, prior to hiding these items.

**2. Precautionary measures:**

Temporary barricading shall be provided at site by the contractor at his own cost. The barricading physically define the boundaries of the site for restricted entry to only those involved in the work and also to prevent any accident. The barricading should be made in suitable size, shapes and number as directed by Engineer-in-charge without any extra cost. It shall be dismantled and taken away by the contractor after completion of the work at his own cost with the approval of Engineer-in-charge.

Contractor shall take all precautionary measures to avoid any damage to existing property as well as property owned by other owners/Local authority. All necessary arrangement shall be made at his own cost.

The contractor shall take all precautions to prevent his workmen and employees from removing and damaging any Flora (tree/plant/vegetation) from the site.

The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards and providing barriers. He shall be responsible for all damages and accidents caused to work due to negligence on his part. No hindrances shall be caused to traffic, during the execution of the work. In case of any accident of the labourers / contractual staff,

the entire responsibility will rest on the contractor and any compensation under such circumstances, if becomes payable, shall be entirely borne by the contractor.

The contractor, his authorized representative, workmen etc. shall strictly observe orders pertaining to fire precautions prevailing in the area.

The Contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupants of the building and adjacent floor 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 floor. 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 Engineer-in-Charge/Architect. The Contractor shall use such methodology and equipments for execution of the work, so as to cause minimum pollution of any kind during construction, to have minimum construction time and minimum inconvenience to the occupants of the buildings, etc. He shall make good at his own cost and to the entire satisfaction of the Engineer in Charge 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 Engineer in- Charge. 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 floor. No claim what so ever 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. Accordingly, they should quote their tenders. Nothing extra shall be payable on this account.

Contractor shall strictly comply with the conditions stipulated by Local authorities including disposal of waste. In case of any penalty levied by Local authorities shall be borne by contractor.

In case of non payment of the same by the contractor, such penalties including interest if any charge will be paid by the employer and the same shall be recovered from contractor.

### **3. General cleanliness of the site and Stacking & Storage of Materials:**

The site of work shall be always kept clean in general strictly adhering to approved job layout/specifications or any other guidelines stipulated by local Authorities. The Contractor shall take all care to prevent any water-logging at site. The waste water shall not be allowed to be collected at site. For discharge into drainage system, necessary permission shall be obtained from relevant authorities after paying the necessary charges, if any, directly to the authorities. The work shall be carried out in such a way that the area is kept clean and tidy. All the fees/charges in this regard shall be borne by the Contractor. Nothing extra shall be payable on this account.

The contractor shall not stack building material / malba on the road or on the land owned by any other authority, as the case may be. In case, the Contractor is found stacking the building material / malba as stated above, he shall be liable to pay the stacking charges as may be levied by local body or authority and also to face penal action as per the rules, regulations and bye-laws of the said body or authority. The Engineer-in- Charge shall be at liberty to recover the sums due but not paid to the concerned authorities on the above counts from any sums due to the contractor including amount of the Security Deposit or Retention Money in respect of this contract or any other contract.

For works which are likely to generate malba / rubbish, contractor shall dispose of malba, rubbish & other unserviceable materials and wastes at his own cost to the dumping ground notified by local authorities and under no circumstances these shall be stacked / dumped even temporarily, outside the construction premises.

The contractor shall make use of the available work area other than common area/lift/stair lobby for storing all other materials so as to be safe against damage by sun, rain, damages, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose at his cost as permitted by Local authorities.

#### **4. Laboratory Equipment:**

The contractor shall provide at his own cost suitable measuring tapes, weighing and measuring arrangements as may be necessary at site for checking. All such equipments shall be got calibrated in advance from laboratory, approved by the Engineer-in-Charge. Nothing extra shall be payable on this account. Minimum equipments as required for field tests shall be provided at site without any extra cost to the Employer.

#### **5. Setting Out of works**

The contractor shall establish, maintain and assume responsibility for grades, lines, levels and bench marks. Contractor shall report any errors or inconsistencies regarding grades, lines, levels, dimensions to the Engineer-in-Charge before commencing work. Commencement of work shall be regarded as the contractor's acceptance of such grades, lines, levels and dimensions and no claim shall be entertained at a later date for any errors found.

If at any time, any error in the respect of setting out appears during the progress of the work, the contractor shall, at his own expense rectify such error if so required, to the satisfaction of the Engineer-in-Charge.

- a) The contractor shall provide, protect and maintain temporary / permanent benchmarks at the site of work throughout the execution of the work. These bench marks shall be got checked by the Engineer-in-Charge or his authorized representatives. The work at different stages shall be checked with reference to bench marks maintained for the said purpose.
- b) The approval by the Engineer-in-Charge, of the setting out by the contractor, shall not relieve the contractor of any of his responsibilities and obligation to rectify the errors/defects, if any, which may be found at any stage during the progress of the work or after the completion of the work.

The contractor shall be entirely and exclusively responsible for the horizontal, vertical and other alignments, the level and correctness of every part of the work and shall rectify effectively any errors or imperfections therein. Such rectifications shall be carried out by the contractor at his own cost to the instructions and satisfaction of the Engineer-in-charge.

The Contractor shall carry out survey of the work area, at his own cost, setting out the layout of building in consultation with the Engineer-in-Charge & proceed further. Any discrepancy between the architectural drawings and actual layout at site shall be brought to the notice of the Engineer-in-charge. It shall be responsibility of the Contractor to ensure correct setting out of alignment.

#### **6. Architectural, structural and integrated service drawings:**

Although tender drawings are made available with the Tender, the working & detailed architectural drawings shall be issued as and when required according to the programme chart submitted by the contractor. It is the duty of the contractor to intimate the requirement of drawings reasonably well in advance and no hindrance shall be allowed on this account.

The work shall be carried out in accordance with the Architectural/working drawings, to be issued from time to time, by the

Engineer-in-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural/working drawings issued for the work, nomenclature of items, specifications etc. and satisfy himself that the information available there from is complete and unambiguous. The figures & the written dimensions of the drawing shall

supersede the measurement by scale. The discrepancy, if any, shall be brought to the notice of the Engineer-in-Charge for immediate decision before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and/ or incomplete information and no claim, whatsoever shall be entertained on this account. The delay caused on account of non-timely action by the contractor in resolution of the differences whatsoever shall not be considered as valid ground for extension of time unless otherwise accepted by Engineer in charge.

The information and site data shown in the drawings and mentioned herein and also elsewhere in the tender documents are being furnished for general information and guidance only. The Engineer-in Charge/ Employer shall not bear responsibility for lack of such knowledge and also the consequences thereof. The Engineer-in-charge/ Employer in no case shall be held responsible for the accuracy thereof or any interpretation/ or conclusions drawn there from by the contractor.

Before taking up the work, the contractor shall be provided with working drawings for various relevant services showing details of lay out plan including sectional elevations and the contractor shall plan and mobilize his resources as per the working drawings and as per the site conditions to facilitate convenient execution, installation as well as maintenance of these services. Nothing extra shall be payable on this account.

## **7. Scaffolding & Staging:**

Wherever required for the execution of work, all the scaffolding shall be provided and suitably fixed, by the contractor. The scaffolding shall be provided strictly with steel double scaffolding system, suitably braced for stability, with all the accessories, gangways, etc with adjustable suitable working platforms to access the areas with ease for working and inspection. Single scaffolding system is strictly prohibited and shall invite necessary action. It shall be designed to take all incidental loads. It should cater to the safety features for workmen. Nothing extra shall be payable on this account. It shall be ensured that no damage is caused to any structure due to the scaffolding.

## **8. Procurement of materials and Basic rate:**

All material shall only be brought at site as per program finalized with the Engineer-in-Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.

The contractor shall procure the required materials in advance so that there is sufficient time for testing of the materials and approval of the same before use in the work.

**The Base price of materials eligible for cost adjustment are mentioned Annexure-18, the contractor shall provide the materials accordingly, if the rate of the material selected by Bank is higher / lower than the above basic rate proportionate cost adjustment shall be made.**

Base price shall be the actual price quoted by the authorized stockist/ wholesalers/ showroom including excise duty and excluding cess, octroi, GST and all other duties levied by the statutory / local authority and also excluding loading, unloading and carriage/ transportation cost to the site of work, overheads, storage charges at site.

## **9. Quoted Rates and other conditions for payment:**

The rates quoted by the Contractor for the descriptions given in the Schedule of quantities (SOQ) are deemed to be inclusive of the following apart from other inclusions elsewhere stipulated in these documents:

Site clearance, setting out work, profile, establishment of reference bench mark(s), taking spot levels, construction of all safety and protection devices, barriers, barricading, signage, labour safety, welfare, preparatory works, working during monsoon, working at all depths, height, lead, lift and location etc until/ unless specified otherwise, and any other incidental works required to complete this work. Nothing extra shall be payable on this account.

All labour, material, tools and plants, temporary water, sewerage, electricity connection charges & works and other inputs involved/ required in the execution of the item.

Conducting Tests materials and works wherever stipulated

Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been built in the items.

For completing the work in time, the Contractor might be required to work in two or more shifts (including night shifts) or as permitted by Local Authorities. No claim whatsoever shall be entertained on this account, not with-standing the fact that the Contractor may have to pay extra amounts for any reason, to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour and other statutory bodies regulations and the agreement entered upon by the Contractor with them.

The Contractor shall arrange to give all notices as required by any statutory/ regulatory authority and obtain all requisite licenses wherever required and shall pay to such authority all the fees that is required to be paid for the execution of work. Nothing extra shall be payable on these accounts.

All ancillary and incidental facilities required for execution of work like stores, offices for Contractor, watch and ward, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work, liaison with municipal / statutory authorities etc., protection works, barricading, testing facilities / laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary (for execution of work and as directed by Engineer-in Charge), shall be deemed to be included in rates quoted by the Contractor for various items in the Schedule of quantities. Nothing extra shall be payable on these accounts.

#### **Final testing of the installation:**

The Contractor shall demonstrate trouble free functioning of all the works and services. The Engineer-in-Charge or his authorized representatives shall carry out final inspection of these various services and installations. Any defect(s) noticed during demonstration shall be rectified by the Contractor at his own cost to the entire satisfaction of the Engineer-in-Charge. Nothing extra shall be payable on this account.

**Contributions towards the EPF & ESI for the labour, employees engaged by the contractor wherever applicable shall be paid by the Contractor, Nothing extra shall be payable on this account.**

#### **10. Local laws:**

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 bye-laws laid down by Collector / Municipal authorities etc. and any other statutory bodies shall be adhered to, by the contractor, during the execution of work. The Contractor shall also adhere to all traffic restrictions notified by the local authorities.

The contractor shall ensure that applicable permits mandated by the local bodies and in case warranted for this work are obtained as required under the Applicable Laws.

The building work shall be carried out in the manner complying in all respects with the requirements of relevant bye-laws of the local body and sanctioned plans under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra shall be paid on this account.

#### **11. Recording of Hindrances: -**

Whenever any hindrance whether on part of Employer or on part of Local Authorities or on part of contractor, comes to the notice of the Engineer in charge, the contractor should at once make a note of such hindrance in the register kept at site, and immediately make a report to the Engineer in charge within a week.

Each hindrance should be entered in the Hindrance Register, (as per Annexure 13) which should be authenticated by the Engineer In charge and Contractor. The Employer shall review the Hindrance Register at least once in a month.

The hindrances on part of contractor are also to be entered in the Hindrance Register.

The hindrance register shall be submitted at the time of payment of each Running Account Bill.

#### **12. Progress and monitoring of work:**

The contractor shall submit the progress report for the work done during previous month to the Engineer-in charge on or before 5th day of each month. The progress report shall contain the following, apart from whatever else may be required as specified: -

- (i) Construction schedule of the various components of the work through a bar chart for the next month (or as may be specified), showing the inter milestones, targeted tasks and up to date progress. At least 3 digital photographs showing all the parts of the work in various stages during construction/repairs/restoration/concealed works in soft and hard copy have to be submitted in every monthly progress report.
- (ii) Progress chart of the various components of the work that are planned and achieved, for the month as well as cumulative up to the month, with reason for deviations, if any in a tabular format.
- (iii) The Contractor shall do proper sequencing of the various activities by suitably staggering the activities within work area so as to achieve early completion.

#### **13. Project review meetings:**

The contractor, immediately on award of work shall submit details of his key personnel to be engaged for the work at site. In addition, he shall furnish the Employer detailed organization involved with the work.

Monthly Review Meetings: Shall be attended by Contractor / their representatives who can take independent decisions along with Engineer-in- charge and Bank's representatives.

**14. Hardware:**

Engineer-in-Charge will take a decision regarding make of materials, model numbers, in case the stipulated make or model mentioned, is not available. However, in case, the equivalent make or model so approved, is cheaper than the make or model already mentioned in Preferred makes list, the price adjustment will be made based on the difference in market rate.

**15. Inspection & Audit of works:**

In addition to the provisions of relevant clauses of the contract, the work shall also be open to inspection by the Bank internal inspection and other Government authorities. The contractor shall at times during the usual working hours and at all times at which reasonable notices of the intention of the Engineer-in-charge/ Employer or other authorized officers as stated above to visit the works shall have been given to the contractor, either himself be present to receive the orders and instructions or have a responsible representative duly accredited in writing, to be present for that purpose.

Any instructions given by the above authorities shall be followed by the contractor. Further any recoveries ordered by the above authorities shall be made from the amount payable to the contractor or such amounts shall be paid by the contractor to the Bank.

**16. Submission of Insurance policies:**

No work shall be commenced by the Contractor unless he obtains the Insurance Policies as mentioned under Clauses of contract. Also, no payment shall be made to the Contractor / no permission for continuation of works on expiry of insurance policies unless renewed by the Contractor. Nothing extra shall be payable on this account. No claim of hindrance (or any other claim) shall be entertained from the contractor on these accounts.

**17. Chasing work:**

The work should be planned in a systematic manner so that chase cuttings in the walls, ceilings and floors is minimized. Wherever absolutely essential, the chase shall be cut using chase cutting machines. Chases will not be allowed to be cut using hammer / chisel. The contractor shall ensure proper coordination of various disciplines viz. building works & CIVIL installations etc, firefighting works, HVAC works etc.

**18. Warranty or Guarantee period for specialized works: ----NA----**

**19. External Laboratory:** Wherever tests are stipulated for the Materials, etc the same shall be tested at any government, semi government or NABL approved private laboratories.

**20. Licensed agencies:** The contractor shall engage licensed agencies of required class as per the statutory rules for the works related to CIVIL works. Prior approval of the Employer shall be obtained by producing the copy of the Licenses before commencing these works.

**21. Maintenance of Registers**

The Contractor will be required to maintain the following registers at site of work and should produce the same for inspection of the Bank/ Engineer in charge wherever desired by them. Type of Register to be maintained are:

- i) Register No. I: Materials at Site Account (inward/outward register for all materials)
- ii) Register No. VI: Site instruction Register
- iii) Register No. VII: Hindrance to work



- iv) Register No. VIII: Running Account Bill
- v) Register No. IX: Labour attendance
- vi) Register No. X: Labour Payment

It shall be distinctly understood that notwithstanding the reviews and suggestion if any, by the Engineer – in – charge or Project Architect the sole and ultimate responsibility for the stability and performance of the form work and staging and all other temporary works shall be that of the Contractor.

The partners or Directors of the Contractor shall meet the officers of Local Authority or its consultants at the site of works or at their respective offices whenever requested to do so.

The Project Architect shall supply to the contractor reasonably complete engineering drawings. All the drawings required for the complete execution of the work will not be released simultaneously but in instalments as the work progresses. and all the necessary shop drawing prepared by the contractor and get approved time to time from project architect Local Authority. Local Authority engineer in charge and authority has all the rights to modified the drawings layouts and also any of the Civil/Furnishing details and specifications wherever it is required.

The Contractor shall confirm to the provisions of the Government Act relating to the work, and to the regulations and bye-laws of the local authorities. The contractor shall give all notices required by the said act, and obtain all required permission and license and pay all fees payable to such authorities in connection with constructing and maintaining temporary electric and water supply at site for the said project. All aspects of temporary works including their stability shall be the sole and ultimate responsibility of the Contractor.

CANARABANK, CIRCLE OFFICE KARNAL reserves the right to use the premises and any portion of site for execution of any work not included in this contract which CANARA BANK, CIRCLE OFFICE KARNAL may desire to get executed by other agencies. The Contractor shall allow all reasonable facilities for the execution of such work but shall not be required to provide any plant or material for such work except by special arrangement with CANARA BANK, CIRCLE OFFICE KARNAL in such a manner as not to impede the progress of the works included in this contract and the Contractor Shall not be responsible for any damage or delay which may happen or be occasioned by such work.

In addition to previous stipulations, the Contractor shall be represented at site at all times during the tenure of the contract by responsible and qualified engineers approved by CANARA BANK, CIRCLE OFFICE KARNAL. Such engineer shall form the Contractor's Project Management & Site Supervisory Team.

This work being prestigious CIVIL WORK, quality of materials & workmanship are expected from the contractor of very high standard.

Management & Site Supervisory Team. They shall be in constant attendance upon all activities of the work. Contractors staff shall comprise of at least the following to be permanently on site (One technical persons essentially required full time on site) for the entire duration of the project.

It shall be distinctly understood that notwithstanding the reviews and suggestion if any, by the Assistant Employee/Project Architect the sole and ultimate responsibility for the stability and performance of the form work and staging and all other temporary works shall be that of the Contractor.

The partners or Directors of the Contractor shall meet the officers of CANARA BANK, CIRCLE OFFICE KARNAL or its consultants at the site of works or at their respective offices whenever requested to do so.

Cost of recovery against materials, utilities or services supplied or arranged for by CANARA BANK, CIRCLE OFFICE KARNAL shall be made by deducting the respective amount from the running as well as final bills.

Although Schedule of Probable Quantities & Rates has been divided into various sub – section, the rates quoted for a particular item of work in one sub – section shall be made applicable to similar item of work in any other sub – section if that item is not listed in the Schedule of that other sub – section.

This project is subjected to inspection by various audit / vigilance agencies of Government of India / CANARA BANK, CIRCLE OFFICE KARNAL / if any inspection of works is carried out by such agencies contractor shall extend his full co-operation to these agencies in examining records, works etc. on inspection by such agencies, any and in their inspection report, if it is pointed out that Contractor has not carried out work according to guideline laid down in this tender documents and also if any recoveries in some items is pointed out therein, same shall be recovered from contractor's R. A. Bills / Final Bill. The items under dispute shall not be paid in full till inspection agency gives their no objection report.

The successful tenderer is bound to carry out any item of work up to any deviation in quantities, for the completion of the job.

Any additional work that needs to be carried out should be requested from the concerned authorities.

Any such works done without the previous approval shall not be paid for.

Contractor to clarify all the works to be done, with the Architect, before commencing the work.

The contractor shall coordinate with all other contractor for smooth running of the project without any hinderances.

Upon it becoming reasonably apparent that the work is delayed, the contractor shall forthwith give written notice of the cause of the delay to the client and the Architect/. Then the client and the Architect shall as soon as they are able to estimate the length of the delay beyond the date or time aforesaid, make in writing a fair and reasonable extension of time for completion of the work, provided always that the contractor shall use constantly his best endeavor to prevent delay and shall do all that may reasonably be required to the satisfaction of the client and the Architect to proceed with work.

Deviation in Quantities:

There is no variation limit in tender quantity for any variation in plus or minus, contractor is supposed to execute the same at quoted rates.

Photographs

Weekly work progress photographs and progress report submitted to ARCHITECT CONSULTANT/ CANARA BANK, CIRCLE OFFICE KARNAL on email id [pecokar@canarabank.com](mailto:pecokar@canarabank.com).

The rate quoted shall include the cost of supplying colour photographs of 8" x 10" size including negative to employer after completion of work from various angle one set each to Employer and the architect separately in respect of each floor as directed.

To submit the work done colored photograph with each R.A bill.

The contractor shall have to comply with all the rules, regulations, laws and by-laws for the time being in force and the instructions if any, of the organization, in whose premises the work has to be done. CANARA BANK shall have no liability in this regard.

Contractor has to covered with the flooring with 4/5 mm PVC sheet and it should joint with taping and pasting on flooring. He has to protect flooring and wall form the damage of any fabricated work of partition table or any fixing work and for the any damage contractor is fully responsible for the same and for the above protection of PVC sheet on flooring no any extra charge/payment provided to contractor.

Scaffolding required will be in scope of Contractor.

Contractor have to do necessary shuttering-Palak work as per requirement of paint work.

Contractor have to do required dismantle work without use of vibrator to protect existing building.

Contractor have to do complete the work in coordination with Electrical/AC contractor. In case of any dispute, bank decision will be binding on all the Contractors.

### **Procurement of Materials.**

The contractor shall make his own arrangement to procure all materials required for the work. All wastages including that in cement, sand and steel shall be to the contractors account.

### **Contractor to verify site Measurements**

The Contractor shall check and verify all site measurements whenever requested by other specialists, Contractors or by nominated or other subcontractors to enable them to prepare their own shop drawings and pass on the information with sufficient promptness, as will not in any way delay the works. A copy of all such information passed on shall be given to the Engineer.

### **Programme of Works**

#### **Detailed Programme to be furnished**

Within 03 days of receiving letter of Acceptance / Award the Contractor shall prepare and submit a detailed programme of works in the form of a Bar Chart / Mile stone network showing all activities & the order of procedure in which he proposes to carry out the works including labour histogram, cash flow and deployment of equipment's. Within 04 days from the date of submission, the Engineer / EIC shall convey to the Contractor his comment / approval on the programme.

The contractor shall be required to submit the CPM and BAR chart for the various activities involved in this work including dependencies etc., and regularly monitor the progress of construction accordingly.

#### **Programme to be Modified**

Subject to the provisions of Clause no. 19 hereof, if at any time it should appear to the Engineer that the actual progress of the works does not conform to the approved programme referred to in sub-clause (i) of this Clause, the Contractor

shall produce a revised & detailed programme showing the modifications to the original programme necessary to ensure the completion of the works within the time for completion as defined in Clause no. 32 of GCC hereof.

### **Progress Report/ Photograph**

Two copies of weekly progress reports along with photographs containing all the works.

Weekly detailed progress report showing the progress of individual activities of programme as achieved at site till such period & being suitably marked on the approved network diagram, or as directed by the Engineer, shall be provided by the Contractor indicating the actual state of progress during the course of the contract, together with other details of procurement & delivery schedules of materials / equipment's, as required by the Engineer.

Three copies of colored photographs in showing day to day important progress of work.

Labour report in the form prescribed by the Engineer.

Equipment & machinery report in the form pre scribed by the Engineer.

Supervisory staff report in the form prescribed by the Engineer.

Remedial Measures for covering up delay, if any. Bottlenecks and hindrances, from the above the Contractor shall submit daily report indicating regular deployment of his staff and works, equipment's, important stages of progress, procurement of construction materials etc. as approved by the Engineer.

### **(i) Site Instruction Book**

For the purpose of quick communication between the Engineer / EIC and the Contractor or his Agent or Representative, Site Books shall be maintained at Site in the manner as described below:

Any communication, relating to the works may be conveyed through Site Instruction Books. Such a communication from one party to the other shall be deemed to have been adequately served in terms of the Contract. Each site book shall have machine-numbered pages in triplicate and shall be carefully maintained and preserved by the Contractor and shall be made available to the Engineer / EIC as and when demanded. Any instruction which the Engineer / EIC may like to issue to the Contractor may be recorded by him in the Site Book and two copies thereof taken by the Engineer / EIC for his record. The

Contractor or his Agency or Representative may similarly record in the Site Book any communication he may like to send to the Engineer / EIC. Two copies thereof when sent to the Engineer / EIC and receipt obtained thereof, will constitute adequate services of the communication to the Engineer /EIC.

### **(ii) Site Records**

Contractor shall maintain various site records like inventories of materials, challan, approval of material, testing, hindrance etc. as per standard practice or as advised by Engineer / EIC.

### **Temporary Fencing, Barricades etc.**

The Contractor shall provide and maintain a suitable approved temporary fencing / barricades and gates to adequately enclose all boundaries of the site for the protection of the public and for the proper execution of the Works including all costs incurred for the security of the Works and in accordance with the requirements of the Engineer / Employer and

regulations of local authorities / pollution board. These shall be altered, relocated and adapted from time to time as necessary and removed on completion.

### Site Meetings

Progress and quality evaluation meetings will be held at the site every week or fortnightly. The Contractors senior representative in charge of the project along with his site-in-charge and other staff including staff of approved subcontractors and suppliers as required shall participate in these progress review meetings and ensure all follow up actions. Any additional review meetings shall be held if required, as decided by the Engineer / EIC which also shall be attended by the above referred representatives.

### SAFETY CODE

- i.> 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, 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).
- ii.> Working platform, gangways, and stairways should be so constructed that they should not sag unduly or unequally.
- iii.> Every opening in a working platform be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing.
- iv.> 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 m. (30 feet) in length while the width between side rails in rung ladder shall in no case be less than 29 cm (11  $\frac{1}{2}$  ") for ladder upto and including 3 m (10 feet) in length. For longer ladders this width should be increased at least  $\frac{1}{4}$ " for each additional 30 cm (1 foot) of length. Uniform step spacing shall not exceed 30 cm (12"). Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites of work shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor shall provide all necessary fencing and lights to protect the public from accident, and shall be bound to bear the expenses of defence of every suit, action or other proceedings at law that may be brought by any persons for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit, action or proceedings to any such person or which may, with the consent of the contractor, be paid to compromise any claim by any such person.
- v.> Demolition: Before any demolition work is commenced and also during the process of the work: -
  - a) All open areas adjacent to the work site shall either be closed or suitably protected.
  - b) No electric 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 of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe.

viii. > All necessary personal safety equipment as considered adequate by the Engineer-in-Charge should be kept available for the use of the person 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: -

- a. Workers employed on mixing cement shall be provided with protective footwear and protective goggles.
- b. Those engaged in white washing and mixing or stacking of cement bags or any material which is injurious to the eyes shall be provided with protective goggles.
- c. Those engaged in welding works shall be provided with welder's protective eye shields.
- d. Stone breakers shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
- e. The contractor shall not employ men below the age of 18 years and women on the work of painting with products containing lead in any form.

Whenever men above the age of 18 are employed on the work of lead painting, the following principles must be observed for such use:

- a. White lead, sulphate of lead, or products containing these pigments shall not be used in painting operation except in the form of paste or of paint ready for use.
- b. Measures shall be taken in order to prevent danger arising from the application of paint in the form of spray.
- c. Measures shall be taken, whenever practicable, to prevent danger arising from dust caused by dry rubbing down and scraping.

II. a. Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.

b. Overall shall be worn by all the working painters during the whole of the working period.

c. Suitable arrangements shall be made to prevent clothing put off during working hours being soiled by painting materials.

III. a. Cases of lead poisoning and of suspected lead poisoning shall be notified and subsequently verified by a medical man appointed by the competent authorities of the Employee.

b. The Employer may require, when necessary, a medical examination of workers.

c. Instructions with regard to the special hygienic precautions to be taken if the painting work shall be distributed to working painters.

xi. >Motors, 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. When workers employed on electrical installations 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 the good conductors of electricity.

xii. > All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe conditions and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places or work.

xiii. > These safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.

xiv. > To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer of the Government, Engineer-in-Charge of the Employer or their representatives.

xv. > Notwithstanding the above clauses from (i) to (xiv) there is nothing in these to exempt the contractor from the operations of any other Act or Rule in force in the Republic of India.

xvi> Any specific safety measures stipulated by the Local Authorities to be followed while executing the works at no extra cost.

**MODEL RULES FOR PROTECTION OF HEALTH AND SANITARY ARRANGEMENTS FOR WORKERS EMPLOYED BY CONTRACTORS**

**1>. Application:**

These rules shall apply to all building and construction works in which twenty or more workers are ordinarily employed or are proposed to be employed on any day during the period during which the contract work is in progress.

**2>. Definition:**

Work place means a place where twenty or more workers are ordinarily employed or are proposed to be employed in connection with construction work on any day during the period during which the contract work is in progress.

**3>. First Aid facilities:**

1. At every work place there shall be provided and maintained, so as to be easily accessible during working hours, first-aid boxes at the rate of not less than one box for 100 contract labour or part there of ordinarily employed.
2. The first-aid box shall be distinctly marked with a red cross on white ground and shall contain the following equipment, namely: -

a. > For work places in which the number of contract labour employed does not exceed 50-

Each first-aid box shall contain the following equipments: -

- i. 6 small sterilised dressings.
- ii. 3 medium size sterilised dressings.
- iii. 3 large size sterilised burn dressings.
- iv. 1 (30 ml.) bottle containing a two percent alcoholic solution of iodine.
- v. 1 (30 ml.) bottle containing salvolatile having the dose and mode of administration indicated on the label.
- vi. 1 (30 gms) bottle of potassium permanganate crystals.
- vii. 1 pair scissors.
- viii. 1 copy of the first aid leaflet issued by the Director General, Factory Advice Service and Labour Institutes, Government of India.
- ix. 1 bottle containing 100 tablets (each of 5 grams) of medicine equivalent to aspirin (and not aspirin).
- x. Ointment for burns.
- xi. A bottle of suitable surgical antiseptic solution.

b. > For work places in which the number of contract labour exceed 50 -

Each first-aid box shall contain the following equipments: -

- i. 12 small sterilised dressings.
- ii. 6 medium size sterilised dressings.
- iii. 6 large size sterilised dressings.
- iv. 6 large size sterilised burn dressings.
- v. 6 (15 gms) packets sterilised cottonwool.
- vi. 1 (60 ml.) bottle containing a two percent alcoholic solution iodine.



- vii. 1 (60 ml.) bottle containing sulvolatile having the dose and mode of administration indicated on the label.
- viii. 1 roll of adhesive plaster.
- ix. 1 (30 gms.) bottle of pottasium permanganate crystals.
- x. 1 pair scissors.
- xi. 1 copy of the first-aid leaf-let issued by the Director General, Factory Advice Service and Labour Institutes, Government of India.
- xii. A bottle containing 100 tablets (each of 5 grams) of medicine equivalent to aspirin (and not aspirin).
- xiii. Ointment for burns.
- xiv. A bottle of suitable surgical antiseptic solution.

3) Adequate arrangements shall be made for immediate recoupment of the equipment when necessary.

(4) Nothing except the prescribed contents shall be kept in the First-aidbox.

(5) The first Aid box shall be kept in charge of a responsible person who shall always be readily available during the working hours of workplace.

(6) A person in charge of the First Aid box shall be a person trained in First-Aid treatment, in work places where the number of contract labour employed is 150 or more.

#### **4>. Drinking water:**

(a) In every work place there shall be provided and maintained at suitable places, easily accessible to labour, a sufficient supply of cold water fit for drinking.

(b) Where drinking water is obtained from an intermittent public water supply, each work place shall be provided with storage where such drinking water shall be stored.

#### **5>. Latrines and Urinals:**

The labours employed by the contractor will be allowed to use the toilets provided at the premises. However, contractor will be fully responsible to ensure that no damage/malfunction/dysfunction (including choke up) of the toilets take place. It will be responsibility of contractor to surrender the toilet block to the employer in SAME CONDITION as it was handed over to the contractor. The contractor will need to carry out re-tiling works or replace the sanitary fixtures as per employer's requirement if the same are not found in the SAME CONDITION as was handed over to the contractor. If the contractor shall fail to comply with the requirements of this Clause, the Engineer-in-Charge may at the expense of the contractor may carry out the required expenses and repair/maintain the facilities and pay any levied penalties (if any by Local authorities) and the contractor shall have no claim in respect of such work carried out/payment made by the employer.

## TENDER FORM

To,  
The Assistant General Manager  
Canara Bank  
General Administration Section  
Circle Office, Karnal

**Name of work:** REPAIR AND RENOVATION WORKS AT CANARA BANK, CIRCLE OFFICE, KARNAL, HARYANA.

I/We have read and examined the notice inviting tender. Schedules A,B,C,D,E & F, specifications applicable, Drawings and Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate and all other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Canara Bank within the time specified in Schedule 'F' at the rates specified in the attached Schedule 'A' viz., schedule of quantities and in accordance in all respects with the specifications, designs drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the conditions of contract and with such materials as are provided for, by, and in all respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for hundred and twenty days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of Rs. 1,78,000.00 is hereby forwarded in Demand Draft / BG of ..... Bank as Earnest Money Deposit. If I/We, fail to commence the work specified I/We agree that the Bank shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by it towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered.

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

I/We fully understand that you are not bound to accept the lowest or any tender you may receive.

**Shri.**-----**Partner/Proprietor/**----- is the person authorised to negotiate commercial and technical terms and conditions and sign on behalf of the firm any Agreement, Bills and receipts for this work.

I/We agree that should I/We fail to deposit the full amount of initial security deposit and/or fail to commence the work specified in the above memorandum, an amount equal to the amount of the earnest money mentioned in the form of invitation of tender shall be absolutely forfeited to the Canara Bank and the same, may at the option of the Canara Bank be recovered without prejudice to any other right or remedy available in law, out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any other money due to me/us under this contract or otherwise.

I/We agree that until a formal agreement on stamp paper is prepared and signed, this tender with your written acceptance thereof shall constitute a binding contract between us.

Signature of Contractor  
Full Postal Address  
Pin Code No. &  
Telephone No.

Dated the: -----day of.....2024

Witness:

Name:

Address:

Occupation:

ANNEXURE-1:

**BIO DATA OF THE TENDERER**

1. (a) Name of the Tenderer :

Address :

Telephone No. :

Office :

Residence :

Mobile :

Fax :

E-Mail :

(b) Address of office :

2. a) Status of the Firm (Whether company/  
Partnership/proprietary) :b) Name of the Proprietor/ Partners/ Directors  
(With professional qualifications, if any) :

I)

II)

III)

c) Year of establishment :

3. Whether registered with Registrar of  
Companies/ firm. If so, No.& Date :4. Registration with Tax Authorities :  
a) Income-tax No. PAN;  
(Furnish copies of Income-tax returns)b) GST Registration Number :  
(Furnish the latest copies of the returns filed)c) CIVIL license number & name of  
associate if available :

d) Value Added Tax (VAT) registration details :

5. Names of the Bankers with address :

I)

II)

6. Turnover of the Company/ firm (Please attach copy of documents in support of the details).

Sl. No	Year	Turnover
1		

2		
3		

7. Registration / Empanelment with Government / Public Sector / Banks / Corporate if any (Copy of valid registration / empanelment copy should be enclosed).

NAME OF THE ORGANISATION	NATURE OF WORKS	VALUE OF WORKS	DATE OF REGISTRATION

8. What are your fields of activities? Mention the fields on preference Basis

1)

2)

3)

9. Details of the works executed during the last 7 years prior to 31.03.2023 to meet Sl. No- 4 of Eligibility Criteria.

Sl. No	Name of Work	Work executed for (Name of the organization with address, concerned office and telephone number)	Nature of work (in brief)	Location of the work	Actual Value of the works	Date of commencement & Completion.

10. Key personnel permanently employed in your organization:

Sl. No	Name	Qualification	Experience	Particulars of work done	Employed in your firm since	Any other

11. Furnish the names of three responsible clients / persons to whom the major works carried out by the applicant with address and telephone number who will be in a position to certify about the quality as well as past performance of your organization.

NAME OF THE OFFICIAL	ORGANISATION & ADDRESS	CONTACT NUMBERS


12. Furnish the details of AWARDS, CITATIONS, etc., received in recognition of your services in projects designed /associated

YEAR	Name of the Award with details	Name of the organization from whom award was received	Name of the organization from whom award was received

**DECLARATION:**

1. All the information furnished by me / us here above is correct to the best of my knowledge and belief.
2. I / we have no objection if enquiries are made about the work listed by me / us in the accompanying sheets / annexure.
3. I / We agree that the decision of Bank in selection will be final and binding to me /us.

Place :

SIGNATURE

Date :

NAME &DESIGNATION  
SEAL OF  
ORGANISATION

**ANNEXURE-2:**  
**ACCEPTANCE**

The above tender (as modified by us or negotiations as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Canara Bank for a sum of Rs. .... (Rupees.....)

The letters referred to below shall also form part of this contract agreement:

- a)
- b)
- c)

**For & on behalf of the Canara Bank**

**Signature:**

**Designation:**

**Dated this .....day of 2023.**

**ANNEXURE-3:**

**FORM OF AGREEMENT**

This agreement made the..... day of the month of.....  
In

the year 2024 BETWEEN, **Canara Bank** a body corporate constituted under the Banking Companies (Acquisition and Transfer

of Undertakings) Act, 1970, having its Head Office, at **112, J C Road, Bangalore-560002** represented by Circle Office, Karnal,

its duly constituted attorney (hereinafter referred to as Bank) of the ONE PART; and Shri/M/s.....

S/D/o..... resident of the sole proprietor M/s having office at...../the

partnership firm represented by its Managing / duly authorised partner, having an administrative / principal office

at...../ a company / body corporate being its registered office

at.....duly represented at duly represented by its constituted and authorised Managing

Director, Shri..... and (hereinafter called the Contractor) of the other part WHEREAS THE Bank is

desirous that certain works should be constructed viz., and has accepted the tender dt. furnished by the contractor for the

constructions, completion, and performance of such works.

**NOW THIS AGREEMENT WITNESSETH** as follows:

1. In this agreement words and expression shall have the same meanings as are respectively assigned to them in the conditions of contract hereinafter referred to.
2. The following documents not inconsistent with these presents shall be deemed to form and be read and construed as part of this agreement viz.,
  - a) Notice inviting Tender
  - b) The Tender form
  - c) General Rules and Directions to tenderers.
  - d) Conditions of contract and clauses of contract along with Annexures there to and Schedules A to F.
  - e) Schedule of quantities (SOQ) includes Prices and tendered amount.



- f) Tender drawings.
- g) Technical Specifications for the work.
- h) Safety code and Model rules for the protection of health, sanitary arrangements for workers employed.
- i) Letter of Acceptance.
- j) Letters from and to the Contractor, if any, leading to and prior to acceptance letter.

3. In consideration of the payments to be made by the Bank to the Contractor the Contractor hereby covenants and agrees with the Bank to construct, complete and perform the works in conformity in all respects and subject to all terms and conditions/rules as mentioned in the aforesaid documents which shall form part of this agreement.

In witness whereof the parties hereto have hereunto set their respective hands and seals the day and year first above written.

Signed, sealed and delivered by the said contractor,.....

To bank..... in the presence of:

**Signature of the Contractor (with seal)**

**Signature of Bank Official (with seal)**

## ANNEXURE-4:

**DETAILED LIST OF PLANTS AND EQUIPMENT AVAILABLE WITH  
THE CONTRACTOR FOR USE ON THIS WORK.**

Sl. No	Name and Description of the Equipments	Make & Year
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		

Signature of the Contractor (with seal)

**ANNEXURE-5:****LIST OF RELATIVES EMPLOYED IN CANARA BANK AND WITH THE  
ARCHITECTFOR THIS WORK.**

Sl. No	Name	Designation	Branch/ Office of Bank / Architect	Relationship with Contractor
1				
2				
3				
4				
5				
6				
7				

Signature of the Contractor (with seal)

**ANNEXURE-6:****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						
2						
3						
4						
5						
6						
7						
8						
9						

Sr. No	Description of work	Date of Commencement	Due date of completion	Percentage progress achieved

**ANNEXURE-7:****FORMAT OF MEASUREMENT BOOK****MEASUREMENT BOOK** PAGES NOS. 1 TO .....

Tender Item No.	Description	Measurement details			Quantity	Remarks
		L	B	D/H		

Site Engineer

Architect

Contractor

Checking/Test checking Engineer Date of checking/Test checking

NOTE:

Checking and test checking pertains to items wherever initiated.

**ANNEXURE-8:****I. Running A/C Bill****FORMAT FOR RUNNING BILL**

- i) Name of Contractor /Agency:
- ii) Name of work:
- iii) Sl. No. of this bill:
- iv) No. and date of previous bill:
- v) Reference to Agreement No:
- vi) Date of written order to commence:
- vii) Date of completion as per agreement:

Sl. No.	Item Description	Unit	Rate (Rs.)	As per tender Qty, Amount (Rs.)
1	2	3	4	5

Upto previous R/A Bill	Upto date (Gross)	Present Bill	Remarks
Qty. Amount (Rs.)	Qty. Amount (Rs.)	Qty. Amount (Rs.)	
6	7	8	9

**Note:**

- 1) If part rate is allowed for any item, it should be..... Indicated with reasons for allowing such a rate. Net value since.
- 2) If adhoc payment is made, it should be mentioned previous bill specifically.

Dated signature of Site Engineer

Preparing the bill

Designation

Dated signature of Bank's Architects

(Name of the Architects)

Dated signature of Contractor

**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..... measurement book No. to of

The work recorded in the above-mentioned measurements has been done at the site satisfactorily as per tender drawings, conditions and specifications.

Signature of Contractor or contractor's representative	Signature of Architect or Architect's representative
Date	Date
Seal	Seal

`Test Check by Bank's authorized representative	
Signature of Bank Official`	
Date	
Seal	

**ANNEXURE-09:****FORMAT FOR RATE ANALYSIS OF ITEMS**

I.	MATERIAL	
	1. Basic Cost of Material	Rs.....
	2. Wastage-5%	Rs.....
II.	Labour: As per Standard Labour output and labour input required for the Particular item using quoted labour rates.	Rs.....
III.	Machinery/Tools Inputs of Machinery / Tools requirements as per the item and hire charges as per market.	Rs.....
	TOTAL (I) + (II)+(III)	Rs.....
IV.	Tax Liability [As per contractual clauses will be added]	Rs.....
V.	Add – ½ % for water charges	Rs.....
	½ % for Electricity	Rs.....
VI.	Any other Expenditure (please specify)	Rs.....
	TOTAL	
	Contractor Profit & OH– 15% Rs.	
	GRANDTOTAL Rs.	

TDS will be deducted as per standard norms and recovery shall be made for water and electricity as per tender conditions.



**ANNEXURE-10:**  
**FORMAT OF CERTIFICATE OF PAYMENT**

Certificate No. Interim /	Dated	
	Project No.	Building work / interior work
	Particulars:	
Contractor:	Contract / Letter No.	Dated:
	Contractor's Bill No.	Dated:
<p>This is to certify that the amount given below (*) is due to your Contractors for the work done by them.</p> <p>Amount of work done to-date Rs. ....</p> <p><b>Total Rs.</b> .....</p> <p>Less: Retention on work done Rs. ....</p> <p>..... Less</p> <p>: previously certified upto Rs. ....</p> <p>..... PRE</p> <p>SENT CERTIFICATE (*) Rs.</p> <p>RUPEES .....</p>  <p>Necessary Deduction U/S194C of the income Tax 1961 and sales tax may be made before paying the above certified amount.</p> <p>By a copy of this letter, we are intimating the Contractors to call on you for the necessary payments.</p>		
<p><b>Remarks if any</b></p> <p>The details of Insurance policy are given in the next page.</p>		
Signature of Architects		
Enclosures: Bill		

**ANNEXURE-11:**  
**FORMAT OF SITE ORDER BOOK**

Name of the work.....

Date of Commencement.....

Sl. 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 PMC/C.C. Officials

## ANNEXURE-12:

**FORMAT FOR APPLICATION BY CONTRACTOR FOR EXTENSION OF TIME**

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>
	1 <sup>st</sup> extension vide Bank's Letter No.			
	2 <sup>nd</sup> extension vide Bank's Letter No.			
	3 <sup>rd</sup> extension vide Bank's Letter No.			
	Reasons for which extensions have been previously given (copies of the previous applications should be attached)			
	Period for which extension is applied for and the reasons thereof including hindrances, time for extra work assigned, if any etc.			

**ANNEXURE-13:****FORMAT OF HINDRANCE REGISTER**

<b>Name of Work</b>		<b>:</b>		<b>Date of state of work</b>		<b>:</b>	
<b>Name of Contractor</b>		<b>:</b>		<b>Period of completion</b>		<b>:</b>	
<b>Agreement No</b>		<b>:</b>		<b>Date of completion</b>		<b>:</b>	
<b>Sl. No</b>	<b>Nature of Hindrance</b>	<b>Date of occurrence of hindrance</b>	<b>Date of which Hindrance was removed</b>	<b>Period of hindrance</b>	<b>Signature Site Engineer/ Project Engineer</b>	<b>Remarks</b>	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	

**ANNEXURE-14:**

**Bank Guarantee Format for Earnest Money Deposit**

To

Assistant General Manager  
General Administration Section,  
Canara Bank,  
Circle Office, Karnal

WHEREAS.....(Name of Tenderer) (hereinafter  
called "the Tenderer" has submitted its tender dated  
.....(Date) for the execution of  
(Name of Contract)

..... (herein after called "the Tender") in favour of **CANARA BANK**,..... hereinafter called the  
"Beneficiary";

KNOW ALL MEN by these presents that we,..... (name of the issuing Bank),  
a body corporate constituted under the..... having  
its

Head Office at..... amongst others a branch / office at  
.....(hereinafter called "the Bank" are bound unto the  
Beneficiary

for the sum of Rs..... (Rupees.....  
only)

for which payment well and truly to be made to the said Beneficiary, the Bank binds itself, its successors and assigns  
by these presents;

THE CONDITIONS of this obligation are:

- (a) If the Tenderer withdraws its Tender during the period of Tender validity specified in the Tender; or
- (b) If the Tenderer having been notified of the acceptance of his Tender by the Beneficiary during the period of Tender validity;
  - (i) fails or refuses to execute the Agreement, if required; or
  - (ii) fails or refuses to furnish the performance security, in accordance with clause..... of conditions of Contract.

We undertake to pay to the Beneficiary up to the above amount upon receipt of his first written demand without the Beneficiary having to substantiate his demand, provided that in his demand the Beneficiary will note that the amount claimed by him is due to him owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

Notwithstanding anything contained herein

i) Our liability under this Bank Guarantee shall not exceed Rs.  
(Rupees..... only)

ii) This Bank Guarantee is valid upto..... and

iii) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before..... (mention period of guarantee as

found under clause (ii) above plus claim period)

Dated.....day of..... 2024

SIGNATURE & SEAL OF THE BANK

**ANNEXURE-15:**  
**BANK GUARANTEE FORMAT FOR SECURITY DEPOSIT**

Guarantee No.....  
Amount of Guarantee Rs.....  
Guarantee cover from Dated: .....  
To Dated: .....  
Last Date for Lodgement of claim: .....

To:

In consideration of ..... (hereinafter called "Beneficiary") having agreed to exempt ..... Ltd., having its Registered Office situated at ..... (hereinafter called the "the obligator(s)") from the demand of security deposit of Rs ..... (Rupees ..... only) under the terms and conditions of an agreement dated ..... (hereinafter called the "said Agreement") for the due fulfilment by the said obligator of the terms and conditions contained in the said agreement, on production of the Bank Guarantee for Rs ..... (Rupees .....only),at the request of the obligator..... Bank, a body corporate constituted under the Banking Companies (Acquisition & Transfer of undertakings) Act, 1970 having its Head Office at..... amongst others a branch at ..... (hereinafter referred to as "the Bank") has agreed to give following guarantee in favour of the beneficiary for an amount not exceeding Rs..... (Rupees ..... only) against any loss or damage caused to or suffered or would be caused to or suffered by reason of any breach by the said Obligator(s) of any of the terms and conditions contained in the said agreement.

1. We, the Bank to hereby undertake to pay the amount payable under this guarantee without any demur merely on a demand from the beneficiary stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by reason or any breach of the terms and conditions contained in the said agreement or by reason of the obligator's failure to perform the said agreement. Any such demand in writing made on the Bank shall be conclusive as regards the amount due and payable by the Bank under the guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....
2. We, the Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the beneficiary under or by virtue of the said agreement have been fully paid and its claims satisfied or till the beneficiary certifies that the terms and conditions of the said agreement have been fully discharged this guarantee. Unless a demand for claim under this guarantee is made on us in writing on or before ..... we shall be discharged from all liabilities under this guarantee thereafter.
3. We, the Bank further agree that the beneficiary shall have the fullest liberty, without consent and without effecting in any manner or obligations hereunder, to extend time of performance the said obligator(s) from time to time or to postpone for any time any of the powers exercisable by the beneficiary against the said obligator(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved of our liability by reason of any extension being granted to the said obligator(s) for any forbearance, act or omission on the part

of the beneficiary or any indulgence by the beneficiary to the said obligator(s) or by any such matter or thing whatsoever which under the law relating to sureties would not for this provision have effect of so relieving us.

4. We, the Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the beneficiary inwriting.
5. Notwithstanding anything contained herein:
  - (i) Our liability under this Bank Guarantee shall not exceed Rs. ....  
(Rupees ..... only)
  - (ii) This Bank Guarantee is valid upto ..... and
  - (iii) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before ..... (mention period of the guarantee as found under clause (ii) above plus claim period)

PLACE:

DATE:

SIGNATURE

**ANNEXURE-16:**

**INTEGRITY PACT FORMAT  
PRE-CONTRACT INTEGRITY PACT**

Between

This pre-bid contract Agreement (herein after called the Integrity Pact) is made on..... day of the month 20...., between, **CANARA BANK** hereinafter referred to as "The Principal", a body corporate constituted under Banking Companies (Acquisition and transfer of undertakings), Act 1970 having its Head office at 112, J.C. Road, Bangalore 560 002, with branches spread over India and abroad (hereinafter referred to as BUYER which expression shall include its successors and assigns) acting through Shri..... (Designation of the officer) representing....., of the BUYER, of the FIRST PART

AND

M/s..... represented by Shri..... Chief Executive Officer/Authorised Signatory (hereinafter called the "The Bidder/ Seller/ Contractor/ Service Provider", which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns), of the SECOND PART

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 Independent External Monitors (IEMs) 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, 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 tender process or the contract.
- 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) commits themselves to take all measures necessary to prevent corruption. The Bidder(s)/ Contractor(s) commits themselves to observe the following principles during participation in the tender process and during the contract execution.



- a) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's 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 of any kind whatsoever during the tender process or during the execution of the contract.
  - b) 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 cartelisation 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)/ Contractor(s) 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) will, when presenting their bid, disclose any and all payments made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
  - e) Bidder(s)/Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.
- (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 their reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or take action as below-

- (1) Any breach of the provision shere in contained by the BIDDER/ SELLER / CONTRACTOR/ SERVICE PROVIDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER/SELLER/ CONTRACTOR/ SERVICE PROVIDER shall entitle the BUYER to take all or any one of the following actions, wherever required: -
- a) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER. However, the proceedings with the other BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER(s) would continue.
  - b) To forfeit fully or partially the Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed), as decided by the BUYER and the BUYER shall not be required to assign any reason therefor.
  - c) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER.
  - d) To recover all sums already paid by the BUYER, and in case of the Indian BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of (Name of the Bank/ Financial

Institution) while in case of a BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER from a country other than India with Interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER/ SELLER / CONTRACTOR from the BUYER in connection with any other contract such outstanding payment could also be utilized to recover the aforesaid sum and interest. The BUYER shall also be entitled to recover the replacement costs from BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER.

- e) To encash the advance bank guarantee and performance bond/ warranty bond, if furnished by the BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER, in order to recover the payments, already made by the BUYER, along with interest.
  - f) To cancel all or any other contracts with the BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER and the BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER.
  - g) To debar the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER from participating in future bidding processes of the BUYER for a minimum period of five years, which may be further extended at the discretion of the BUYER.
  - h) To recover all sums paid in violation of this Pact by BIDDER/ SELLER/ CONTRACTOR/ SERVICEPROVIDER(s) to any middlemen or agent or broker with a view to securing the contract.
  - i) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER, the same shall not be opened.
  - j) Forfeiture of The Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
  - k) The BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER, and if he does so, the BUYER shall be entitled forthwith to rescind the contract and all other contracts with the BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER. The BIDDER/SELLER/ CONTRACTOR shall be liable to pay compensation for any loss or damage to the BUYER resulting from such rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER.
- (2) The BUYER will be entitled to take all or any of the actions mentioned as per above clause - 1 (i) to (xi) of this Pact, also in the event of commission by the BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER or anyone employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined In Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.
- (3) The decision of the BUYER to the effect that a breach of the provisions of this pact has been committed by the BIDDER/ SELLER/ CONTRACTOR shall be final and conclusive on the BIDDER/ SELLER / CONTRACTOR. However, the BIDDER/SELLER/CONTRACTOR/SERVICE can approach the Independent External Monitor (s) appointed for the purpose of this pact.

#### **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 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 or action can be taken as mentioned in section 3, clause - 1a to 1k).

#### **Section 6 - Equal Treatment of all Bidders/ Contractors/ Subcontractors**

1. In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor.
2. The principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.
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 violating 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**

1. The Principal appoints competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission. 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/her functions neutrally and independently. The Monitor would have access to all Contract documents, whenever required. It will be obligatory for him/ her to treat the information and documents of the Bidders/Contractors as confidential. He/ she reports to the Managing Director, CANARA BANK.
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/her request and demonstration of a valid interest, unrestricted and unconditional access to their project documentation. The same is applicable to Sub-contractors.
4. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s)/ Sub-contractor(s) with confidentiality. The Monitor has also signed declarations on 'Non-Disclosure of Confidential Information' and of 'Absence of Conflict of Interest'. In case of any conflict of interest

arising at a later date, the IEM shall inform the Managing Director, CANARA BANK and recuse himself / herself from that case.

5. 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.
6. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he/she 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.
7. The Monitor will submit a written report to the Managing Director, CANARA BANK 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.
8. If the Monitor has reported to the Managing Director, CANARA BANK, a substantiated suspicion of an offence under relevant IPC/ PC Act, and the Managing Director, CANARA BANK 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 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.

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 the Managing Director, CANARA BANK.

## Section 10 - Other provisions

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. ....
2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
4. 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.
5. Issues like Warranty / Guarantee etc. shall be outside the purview of IEMs.

(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-17:**

Name of work:

Details on List of Retired Government / PSU / Bank employees, employed by the

Tenderer:

NAME OF THE RETIRED OFFICIAL	DESIGNATION	NAME & ADDRESS OF THE PREVIOUS EMPLOYER

Name & Signature of Tenderer (with seal)

**ANNEXURE-18:**

Base Price of materials

Sl. No	Material	Basic Rate Including tax in Rs.
1		
2		
3		

**ANNEXURE-19:**  
**INDEMNITY FORMAT**

THIS DEED OF INDEMNITY executed at.....(Place)on this ..... day of .....month of year two thousand and twenty three (2024)  
By.....(herein after called the contractor) duly represented by proprietor/one of its partners/director Sri ....., aged.....years, son of Sri.....residing at .....

In favour of

Canara Bank, a body corporate constituted under the Banking companies (Acquisition and Transfer of undertakings) Act, 1970, having its Head Office, at 112, J.C.Road, Bangalore – 560002 & represented by its Circle Office-----  
---

Whereas the contractor had applied for the tender .....

Whereas the tender submitted by the contractor for the above mentioned work was accepted by Canara Bank and the work of ..... has been awarded in favor of the contractor vide Ref No .....

And whereas for undertaking the work awarded as per the above noted reference, the contractor has entered into contract with Canara Bank on .....

Now this Deed Witnessed that in pursuance of the aforesaid contract dated .....and in consideration of Canara Bank having agreed to make payment on the bills claimed by the contractor herein based on the works completed in respect of the above referred contract, the contractor hereby indemnifies and keep harmless Canara Bank & its Architect/ consultant and its officials/staff from time to time and at all times against all actions, prosecutions proceedings, claims, suits, liabilities (including statutory liability), penalties, demands, charges, costs (including legal costs) and expenses, damages, losses and any other expenses which may be caused to or suffered by or made or taken against the Employer arising out of:

- i) The breach, default or non-performance of undertakings, warranties, covenants or obligations by the contractor, non-compliance of safety rules, regulations, instructions by the contractor and mishaps occurring at the site due to faulty work executed by the contractor.
- ii) Any contravention or Non-compliance with any applicable laws, regulations, rules, statutory or legal requirements by the contractor.

Further, the Contractor indemnifies to protect and save Canara Bank & its Architect/consultant and its officials / staff from against all claims, losses, costs, damages, expenses, action suits and other proceedings, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of the services offered by the contractor.



All Indemnities shall survive notwithstanding expiry or termination of the contract and contractor shall continue to be liable under the indemnities.

There is no limit to claims made by the Employer/third parties in case of infringement of Intellectual property rights or for claims relating to the loss of damage to real property and tangible personal property and for bodily injury or death and in these cases the liability will be unlimited".

**Signature of Contractor with Seal**

**ANNEXURE-20:**

**PROFORMA OF 10 YEARS GUARANTEE BOND FOR WATERPROOFING TREATMENT TO ROOF, STAIR ROOF AND TOILETS IN THE EXISTING CANARA BANK, CIRCLE OFFICE, KARNAL, HARYANA**

The Bond is to be submitted on a Non-judicial Stamp Paper of Rs. 100/- before claiming any payment from the Bank  
We Hereby guarantee that after completion of the Waterproofing work at CANARA BANK, CIRCLE OFFICE, KARNAL, HARYANA for Canara Bank and within 10 years thereafter the date of virtual completion of the

Project by the main contractor, if at any time or times the roofs, toilets, water tanks and any other portion thus treated by M/s ----- (hereinafter called "the Contractor") starts leaking or in any way give way to the influence of water including forming wet patches, dampness etc., due to the inadequacy of the work carried out due to any other reason whatsoever relating to the specification, workmanship etc. including the responsibility for any surface treatment and plumbing etc. works carried out by other agencies, the Contractor shall, without any extra cost, to the-----or to the Occupants, carry out necessary remedial measures to such extent and so often as may be necessary to free the said premises from leakage etc. . The question of whether there is any leakage or the treatment has given away to water or moisture of the treatment aforesaid and before-----20-----, shall be decided by the-----and the decision of the in this regards shall be final and binding on us. We shall reinstate the surface to the original condition after carrying out the rectification work, if necessary, by bringing new materials at no extra cost to the BANK the Owner --.

Signature of Witness with the address  
with seal  
Place:  
Date:

Signature of Waterproofing Contractor

Signature of Witness with the address  
Place:  
Date:-

Signature of the Main Contractor with seal

(Note: - Guarantee to be submitted by both the Contractors, Main Civil Contractors and the Water-proofing Specialist Agency before receiving any payment towards water proofing work)

## List of approved make for Plumbing Works (Sanitary &amp; Water Supply)

S. No.	Details of Equipment / Material	Make / Manufacturer
1.	Vitreous China Sanitary	Kohler / Roca/ Hindware
2.	Plastic seat cover of W.C	Kohler / Roca/ Hindware
3.	Hand Drier	Kohler / Roca/ Hindware
4.	PVC flushing cistern	Kohler / Roca/ Hindware
5.	White Glazed Fire Clay Sink	Sanfire/ Cera / Neycer / Hindware
6.	C.P. Fixture and fittings	Kohler / Roca/ Jaguar
7.	Liquid Soap Dispenser	Kohler / Roca/ Jaguar
8.	Stainless Steel Sink	Kohler / Grohe/ TOTO
9.	Gunmetal Valves	Zoloto / Leader / Kartar/ NVR
10.	Brass stop & Bib Cock	Kohler / Roca/ Hindware
11.	Copper Fittings (Capillary)	Conex - Benninger /Mexflow / Rajco Metal Works Mumbai
12.	Floor & Cockroach Trap & Cover	Chilly/ GMGR/ Camry
13.	Air Release Valve	Zoloto/AIP/NVR/Audco
14.	Anchor Fastner	Hilti / Fischer / Bosch
15.	Ball Cock	Sant / L&T/Audco
16.	Ball valves with floats	Zoloto / Leader / Sant / Audco
17.	Butterfly valves	Zoloto/Audco / NVR /Sant
18.	C. I Fitting	Neco/ Electrosteel/ Kesoram/ SKF/ BIC
19.	C.I Sluice Valve & Non Return Valve	Kirloskar / IVC/ Leader / Zoloto /NVR
20.	C.I Valves (Full way, Check and Globe Valves	Kirloskar / IVC/ Leader / Zoloto /NVR
21.	C.I. Manhole Covers	Neco / B.I.C. / Hepco / SKF
22.	Central Control	Rain Bird, USA/Toro/Nelson,
23.	Centrifugally cast C.I Rainwater fitting / Bronze gratings etc.	Electro Steel / Kesoram / Neco / BIC / Neer
24.	Centrifugal Pump	Willo+Mather & Platt / Grundfos / KBS
25.	Centrifugally casted C.I. Pipes	Neco / Hepco / BIC / SKF
26.	Chlorine Dosing System	Toshcon / Chloromax
27.	CPVC Pipes & Fittings	Astral/ Birla Aerocon/ Ashirwad
28.	Curtain Rod/Draperly Rod	Vista work / Mac Décor / Hunter Douglas
29.	Dash Fasteners	Hilti / Fischer / Bosch
30.	Disc Filter	Azud/Spain/ Amaid / Arkal,
31.	Drainage Pumps	Grundfos/ KSB/Xylem/Willo
32.	Ductile Iron Fittings (IS:9523)	Electrosteel/Kesoram/Tisco/Jindal
33.	Ductile Iron Pipes (IS:8329)	Electrosteel/ Kesoram/Tisco/Jindal
34.	Forged Steel Fittings & Flanges (For Welded joints)	Sant/ Vijay Cycle & Steel/SS
35.	G.I. Fittings	R/Unik/Zoloto/Sun/Swastik
36.	G.I. Pipes	Jindal (Hissar)/ Tata / Prakash Surya / SAIL
37.	Geyser	Jaquar / Havells
38.	Glass: Mirror	Modiguard / Saint gobain/ Asahi India Safety / Modi Float
39.	Horizontal Centrifugal / Monoblock Pumps	Wilo/Grundfos/Xylem/Salmson / Ebara

40.	Inbuilt Drip Line	Azud/ Rainbrid-USA/ Netafim
41.	Insulation of Hot water pipes	Vidoflex insulation / Superion insulation Kaiflex – Thermaflex/ Armacell
42.	Liquid Level Controllers / Indicators	Advance Auto / Minilec / Radar / Femac / Switzer
43.	M.S. Pipe	Jindal(Hissar) / Prakash – Surya / TATA
44.	Mainline Isolation Valve	Sant /Leader /Zoloto,
45.	Non Return Valve	Sant / Leader / Zoloto / NVR
46.	R.C.C Pipes	Indian Hume Pipe / Pragati Concrete Udyog /ISI Marked Pipes/ KK / JSP
47.	Paint- Cement Paint	All types of paints i.e., cement-based paints, Oil bound distemper, acrylic paints, plastic emulsion paints etc shall be First quality of Asian, Dulux, Nerolac make.
48.	Paint - Dry Distemper	
49.	Paints - Cement Based	
50.	Paints - External Emulsion Paint	
51.	Paints - Other Paints / Primer	All types of paints i.e., cement-based paints, Oil bound distemper, acrylic paints, plastic emulsion paints etc shall be First quality of Asian, Dulux, Nerolac make.
52.	Paints - Plastic Emulsion Paint	
53.	Paints - Resin Based Paints	
54.	Paints - Synthetic Enamel Paints	
55.	Pipe coat material (pipe protection)	RPG Raychem/Pypkote/Makphalt
56.	Pop up Connecting Assembly	Rain Bird/Dura/Lasco,
57.	Popup Spray Head	Rain Bird/Toro, USA/Nelson,
58.	Powder Coating Material pure Polyester	Jotun / Berger / Goodlass Nerolac
59.	Pressure Relief Valve	Honeywell/Leader/ Zolato / Audco/API
60.	Pumps	Xylem / Wilo/ Grund foss
61.	PVC Pipes & fitting SWR Soil, Waste & Vent Pipes and fittings, Type B PVC Casing & Screen Pipes	Astral/ Birla Aerocon/ Ashirwad
62.	PVC Water Stops	Astral/ Birla Aerocon/ Ashirwad
63.	Polyethylene Storage Tank	Sintex / Astral/ Prince
64.	R.O. System	Kent/ HUL/ Auqagard
65.	Reinforcement Steel	SAIL/RINL/Tata/
66.	RQRC Hydrant	Harvel/Alprene/Rain Bird, USA
67.	RQRC Key	Harvel/ Aqua/ Drip& Drip
68.	Sensor Operated Auto Flushing System Urinals	Kohler / Roca/ Jaguar
69.	SFRC / RCC Manhole Covers/ Perfect RCC Grating	KK Manholes /SK Precast Concrete/ Advent concrete vision
70.	Sluice valve / NRV	Kirloskar/IVC/Zoloto/NVR/ Leader
71.	Solenoid valve	Rain Bird, USA/Toro/Nelson
72.	SS Gratings, Soap Dish Towel Rail etc.	Kohler / Roca/ Jaguar
73.	Stainless Steel	Salem Steel or as approved E-in-Charge
74.	Stainless Steel bolts, Washers and Nuts	Kundan / Puja / Atul
75.	Stainless Steel Clamps	Hilti /Intellotech Konzept
76.	Stainless steel CP Grating	Chilly / Camry
77.	Stainless Steel Pressure Plate Screws	Kundan/ Puja/ Atul
78.	Stainless Steel Screw for Fabrication and fixing of Windows	Kundan / Puja / Atul
79.	Stone ware pipes & Gully Traps	Perfect / R.K/ Hind / Anand

80.	Submersible Drainage pump	KSB /Grundfos/ Mather & Platt / Wilo/Xylem
81.	UPVC Pipes & fittings with Flow Guard certified	Astral/ Birla Aerocon/ Ashirwad
82.	Valve Box	Rain Bird, USA/Carson Brook, USA/Dura,
83.	VFD Pump	Kirloskar/ KSB/ Grundfos/ Mather & Platt / Ebara.
84.	Vibration Eliminator Resisto-flex Pads & Connections	Relay Corpn./ Kanwal
85.	Water Cooler	Blue Star/Voltas/Usha/Godrej
86.	Water Meter	Capstan / Kranti/ Anand/ Kant
87.	Water Proofing Materials	Dr. Fixit/ Sika / Fosroc
88.	Water supply pumps	KSB/ Grunfos/Mather & Platt/ Ebara.

## List of approved make for Electrical Works

S. No.	Details of Equipment / Material	Make / Manufacturer
	PVC Conduit	Precision/AKG/ VIP
1	Ceiling Junction Boxes	Home lite/ANCHOR
2	Wires & cables	KEI/Havells/ Polycab
3	Modular Switches, Sockets etc	Legrand/Havells/L. & T.
4	Lighting Fixtures	Philips/Wipro/HAVELLS
5	M.C.B./RCCB/RCBO etc	Legrand/Havells/L&T
6	Distribution Boards	Schneider/Legrand/HAGER
7	MCCB	Schneider/Legrand/Havells
8	Change Over Switches	A.B.B./Standard/ L. & T
9	End Termination accessories	Dowells/Usha/Brecco/Cosmos
10	Telephone Cables & accessories	Havells, Krone, Finolex,
11	Fans/Exhaust fans	Crompton/Havells/USHA
12	Music Speakers	Philips/Bosch/Ahuja
13	Amplifiers	Philips/Bosch/Ahuja
14	DVR	Samsung, Honeywell, HIKVISION
15	Rg11, CAT5/CAT6 cables/Telephone wires	Legrand, Molex, D-Link, AMP
16	CCTV, Dome Camera	Honeywell, Hikvision
17	Hard Disk drive	Seagate, HIKVISION
18	Smoke/Heat/Optical Fire Detectors	Edward, Siemens, Apollo or other I.S.I. Equivalent.
19	Response Indicators, Hooters	Edward, Siemens or other ISI Approved.
20	Telephone Tag Block	Krone
21	LT Panel	CPRI approved

## List of approved make for Civil Works

S. No.	Details of Equipment / Material	Make / Manufacturer
1	Cement	JK / Ultratech/ ACC
2	Sand/ Coarse Aggregate/Fine aggregate	Best locally available river sand
3	Structural Steel	TATA/ SAIL/ Jindal Steel
4	Wood	Teak Second class
5	Bricks	Best locally available table moulded bricks
6	Rebar Chemical- EPOXY	Hilti-RE 500 V4/ Wuerth-PE 500/ Fischer-EM plus 585
7	Epoxy Bonding Adhesive	CICO- Bond EPO/ Fosroc- Nitobond EP/ SIKA- Hibond
8	M16 bolt / Carbon Steel fastener- with RE 500 V3 chemical	Hilti-M16/ Fischer-RG M 16/ Wuerth M16
9	Micro Concrete	Fosroc- Rendroc RG / CICO- Microcrete / SIKA- Rep Micrcrete-4
10	Waterproofing Compound	Fosroc/ Sikka/ CICO
11	Exterior Paint	Asian Paints- apex ultima/ Nerolac-Mica Marble/ Dulux- Weather Shield Max
12	Cement paint	Acro paints/ Super SNOWCEM
13	Interior Paint	Asian Paints- Health Sheild / Nerolac-Ultra Frash/ Dulux-Super Clean
14	Enamel Paints	Asian paints/ Nerolac/ Dulux
15	G.I. Pipes	Tata / Zenith / Jindal
16	uPVC/ CPVC/ PVC drain Pipes / fittings	Ashirwad/ Birla Aircon/ Astral
17	Aluminium Sections	Jindal/ Hindalco/ NALCO
18	Wall Putty	Narolac/ JK/ Asian Paint
19	Design Mix Concrete	JK / Ultratech/ ACC
20	uPVC Windows	FENESTA/ ALUPLAST/ KÖMMERLING

**List of approved make for Furnishing Works**

<b>S. No.</b>	<b>Details of Equipment / Material</b>	<b>Make / Manufacturer</b>
1	MDF. (Medium Density Fibre Board) – CONFIRMING TO IS : 12406 - 2003. (Density: 750 – 850 Kgs/m3) colour code follow as per Bank Norms.	CENTURY/GREENPLY/ ARCHIDPLY
2	PLYWOOD – BWP (Boiling Water Resistant, Termite Resistant & Borer Resistant) – CONFIRMING TO IS: 303.	CENTURY/GREENPLY/ ARCHIDPLY
3	BLOCK BOARD – CONFIRMING TO IS: 11255 - 2003.	CENTURY/GREENPLY/ ARCHIDPLY
4	FLUSH DOOR – CONFIRMING TO IS: 2202 (Part – 1) – 1991.	CENTURY/GREENPLY/ ARCHIDPLY
5	LAMINATE – CONFIRMING TO IS: 2046-1995.	CENTURY/GREENLAM/ ARCHIDPLY
6	Lipping & Moulding	First Class Teak Wood
7	Gypsum ceiling	Gypsum India, Saint - Gobain Gyproc india
8	Grid Ceiling	Armstrong, Dexune
9	GI Support system for False Ceiling	GYPSTEEL ULTRA
10	Adhesive	Fevicol SH.
11	Locks/Handles & all other hardware	Godrej/ Ozone/ Dorma
12	Glass	Modi/Asahi (Tata), Saint Gobain
13	Aluminium	Jindal/ Hindalco/ NALCO
14	Door Closer	OZONE/Dorma
15	FLOOR SPRING	OZONE/GODREJ
16	Vertical Blinds	Vista/ Hunter Dugluse
17	HDHMR board	Action Tesa/ Green play/ Archid
18	Wooden flooring	Mikasa- green
19	Veneer	CENTURY/GREENPLY/ MARINO
20	PU- Polishing work	Nerolac/ Woodver
21	Wood Preservative	Bison by British Paints / Termiseal by ICI

**BILL OF QUANTITIES (BOQ)**

**PRICE BID**



NAME OF WORK :- CONSULTANCY SERVICES FOR RENOVATION, REPAIR FURNISHING, CIVIL, SANITARY, PLUMBING ELECTRICAL & ALLIED WORKS REQUIRED AT CANARA BANK CIRCLE OFFICE BUILDING BAYSITE 17-18, SEC-12, KARNAL - 132001

*SUMMARY*

S. No.	DESCRIPTION OF ITEMS HEAD WISE	Amount
1	CIVIL WORK	
2	PLUMBING WORK	
3	INTERIOR WORK	
4	ELECTRICAL WORK	
	<b>TOTAL</b>	
	GST AS APPLICABLE	
	<b>TOTAL</b>	

NAME OF WORK :- CONSULTANCY SERVICES FOR RENOVATION, REPAIR FURNISHING, CIVIL, SANITARY, PLUMBING ELECTRICAL & ALLIED WORKS REQUIRED AT CANARA BANK CIRCLE OFFICE BUILDING BAYSITE 17-18, SEC-12, KARNAL - 132001					
BILL OF QUANTITY - CIVIL WORKS					
S.NO.	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b>EARTH WORK</b>				
1	Supplying chemical emulsion in sealed containers including delivery as specified.				
i.	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	litre	75.00		
2	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) With Chlorpyriphos/Lindane E.C. 20% with 1% concentration Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.	METRE	110.43		
2.00					
	<b>CONCRETE WORK</b>				
	<b>CEMENT CONCRETE (CAST IN SITU)</b>				
3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets,				
	1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	cum.	16.93		
4.00					
	<b>REINFORCED CEMENT CONCRETE</b>				
	<b>CAST IN SITU</b>				
4	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1cement : 1.5 coarse sand(zone-III) Derived from natural sources : 3 graded stone aggregate 20 mm nominal size).	cum.	0.47		
	<b>FORM WORK (CENTERING &amp; SHUTTERING)</b>				
5	Centering and shuttering including strutting, propping etc. and removal of form for :				
i.	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sq.m.	8.19		
	<b>STEEL REINFORCEMENT</b>				
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	51.83		
	<b>TOTAL FOR REINFORCED CEMENT CONCRETE</b>				
	<b>MASONRY WORK</b>				
7	<b>115mm. Thk. WALL</b> Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
i.	Cement mortar 1:3 (1 cement :3 coarse sand)	sq.m.	19.40		
8	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	sq.m.	19.40		
	<b>TOTAL FOR MASONRY WORK</b>				
	<b>CLADDING WORK</b>				

9	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high glass finish etc. complete at all levels.				
i.	Granite stone slab colour black, cherry/ rubby red				
	Area of slab over 0.50 sqm	Sqm.	16.47		
10	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
i.	Granite work	Meter	65.84		
11	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sq.m.	240.31		
	<b>TOTAL FOR CLADDING WORK</b>				
	<b>UPVC WINDOWS</b>				
12	<b>Openable Type window</b>				
	UPVC WINDOWS Casement Type window a- Providing and fixing wooden finish-light oak colour Renolit FX foil based uPVC windows. Double panel openable casement window of 65 mm x 58 mm and Sash must be 80 mm x 65mm, wall thickness of profile must be min 1.8±0.3mm. Glass should be DG 6mm T+12mm (Arg) + 6mm T clear toughened with single/double glazing bead. Design should be as per approved drawings only. TPE (Thermo Plastic Elastomers) gasket must be using for all glazing. A minimum 2nos drain IN and 1 drain OUT slot for every 1000 mm. The drainages shall be so designed as not to puncture the reinforcement chamber and prevent water running through the reinforcement chamber.				
	<b>(MAKE:- FENESTA/ ALUPLAST/ KÖMMERLING</b>				
a.	<b>casement window frame size 47x50mm i/c 5% wastageType window</b>	Sq.m.	41.22		
b.	<b>Fix window of 45 mm x 50 mm,</b>	Sq.m.	41.22		
	<b>TOTAL UPVC</b>				
	<b>STEEL WORK</b>				
13	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	150.00		
	<b>TOTAL FOR STEEL WORK</b>				
	<b>FLOORING</b>				
	<b>VITRIFIED FLOOR TILES</b>				
14	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc.. complete.	Sqm.			
	Note:- The tiles must be cut with zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
i.	<b>Glazed vetrified tile matt/Antiskid finish of size.</b>				
ii.	<b>size of tile 600x600mm.</b>		677.21		
	<b>Note:- Tiles will be accepted only of "mother plants".</b>				
SUB HE	<b>TOTAL FOR FLOORING</b>				
	<b>FINISHING</b>				

15	<b>CEMENT PLASTER (IN COARSE SAND)</b> 12 mm cement plaster of mix :				
i.	1:4 (1 cement: 4 coarse sand)	Sq.m.	36.36		
16	<b>CEMENT PLASTER (IN COARSE SAND)</b> 15 mm cement plaster on rough side of single or half brick wall of mix:				
i.	1:4 (1 cement: 4 coarse sand)	Sq.m.	36.36		
17	<b>6MM CEMENT PLASTER</b> 6 mm cement plaster of mix :				
i.	1:3 (1 cement : 3 fine sand)	Sq.m.	6.77		
18	<b>NEAT CEMENT PUNNING</b>	Sq.m.	3.64		
19	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.	per bag of 50kg cement mix	8.73		
20	Finishing walls with textured exterior paint of required shade :				
	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	Sq.m.	318.24		
21	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade .				
i.	Two or more coats on new work	Sqm.	374.96		
22	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm.	562.44		
23	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade				
	One or more coats on old work	Sqm.	456.00		
	<b>TOTAL FOR FINISHING</b>				
	<b>DISMANTLING AND DEMOLISHING</b>				
24	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
i.	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum.	4.06		
25	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-	cum.	0.56		
26	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
i.	In cement mortar	cum.	13.29		
27	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
i.	Of area beyond 3 sq. metres	Each	112.00		
28	Providing rebate after Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
i.	Of area beyond 3 sq. metres	Each	112.00		
29	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
i.	For thickness of tiles 10 mm to 25 mm	Sq.m.	677.21		

30	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge.	sqm	250.00		
31	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Trips	20.00		
<b>TOTAL FOR DISMANTLING AND DEMOLISHING</b>					
<b>WATER PROOFING</b>					
32.0	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :				
	(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.				
	(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.				
	(The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.)	sqm.	76.30		
<b>TOTAL FOR WATER PROOFING</b>					
<b>TOTAL CIVIL WORK</b>					

**NAME OF WORK :- CONSULTANCY SERVICES FOR RENOVATION, REPAIR FURNISHING, CIVIL, SANITARY, PLUMBING ELECTRICAL & ALLIED WORKS REQUIRED AT CANARA BANK CIRCLE OFFICE BUILDING BAYSITE 17-18, SEC-12, KARNAL - 132001**

**BILL OF QUANTITY - PLUMBING WORKS**

SO.NO.	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Note:				
	i. Detail of Sanitary fixture are for the information of the Contractor, however model / makes of all sanitary fixture shall be selected by Architect / Interior designer / client and the same shall be binding for execution.				
	ii. No additional all fixing cost shall be paid for change in type of sanitary fixture or fitting.				
	iii. Provision of extension piece for final connection of CP fitting shall be supplied and installed by the contractor accordingly (as required).				
	iv. Main storm water drain should be cast in RCC Box with SFRC cover C/C 10m distance. Cost should be include in civil estimate only. As we have not considered in PHE estimate.				
	<b>SANITARY INSTALLATIONS</b>				
70	Providing and fixing white vitreous china extended <b>wall mounted water closet</b> of approved shape including providing and fixing of concealed cistern with duel flush fitting (2.0/4.0 lts. per flushing), including sheet cover, and cistern fittings, nut bolt gasket, chair etc complete. (MAKE - ROCA: MODEL NO. OF WC WITH SEAT& COVER - RS34647A000-RA801732001, CISTERN & FACE PLATE-RA801732001-RE890195001) (KOHLER: MODEL NO. OF WC WITH SEAT& COVER - K-16817IN-SS-0, CISTERN & FACE PLATE-K-26351IN-P-NA & K-5413IN-P-CP) (JAGUAR: MODEL NO. OF WC WITH SEAT& COVER - ACS-WHT-87953BIUF-SS-0, CISTERN & FACE PLATE-JCS-WHT-2431FT & JCB-CHR-152415)	Each	9.00		
71	Providing and fixing white vitreous china flat back half stall urinal with infrared sensor battery operated automatic flushing systems for urinal to ensure pre-flush & flushing only immediately after use, comprising of all plumbing, electronic and electrical items. (0.75 lts. per flushing) with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : (MAKE -ROCA: MODEL NO. OF URIN-RS35945J460 & SENSOR -RT525165003 RT5A8102E0N) KOHLER: MODEL NO. OF URINAL-K-20713IN-ER-0, & SENSOR -K-24199IN-C03-CP) or EQ MODEL OF HINDWARE	Each	5.00		
72	Providing & fixing glass urinal partition of Height: 900mm, Width: 450mm & Frosted Safety Glass: 8 mm with fixed with expandable anchor fasteners with C.P. brass bolts and washers, embedded in wall with anchor and set in cement concrete complete including cutting and making good the walls wherever required. (MAKE-JAGUAR: MODEL NO-Model No. JSE-CHR-810UC450X), HINDWARE: MODEL NO.- SU810SC(S)-STD-CR), SAHI METAL & DECORATORS)	Each	5.00		
73	Providing and fixing Stainless Steel AISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required				
a.	Kitchen sink with drain board				
b.	510x1040 mm bowl depth 250 mm	Each	1.00		
c.	Kitchen sink without drain board				
d.	610x510 mm bowl depth 200 mm	-			
74	Providing and fixing hand shower (Health faucet) with 1.2mtr long with 8mm dia Easy Flex Tube with wall hook and flow restrictor with flow rate 6 litre per minute at 3 bar in chrome finish and wall hook. (MAKE -ROCA: MODEL NO. HEALTH FAUCET :RF9060A1.) KOHLER: MODEL NO. HEALTH FAUCET : K-12927IN-CP, JAGUAR: MODEL NO. HEALTH FAUCET : K-12927IN-CP)	Each	9.00		
75	Providing and fixing CP Brass 32mm size Bottle Trap Waste coupling without pop-up 32 mm full thread 130 mm of approved quality & make and as per the direction of Engineer-in-charge.(MAKE -ROCA: MODEL NO. BOTTLE TRAP :RF9066A1.RF5054017A1) (MAKE -KOHLER: MODEL NO. BOTTLE TRAP : K-75823IN-CP.20746IN-CP), MAKE-HINDWARE:EQ MODEL )	Each	9.00		
76	Providing & fixing PVC waste pipe for sink including PVC waste fitting Complete				
a.	Flexible Pipe				
b.	40mm Dia	Each	1.00		

77	Providing & fixing toilet paper holder <b>(MAKE -KOHLER: MODEL NO. TOILET PAPER HOLDER : K-25071IN-CP OR EQUIVALENT.) (ROCA: MODEL NO. TOILET PAPER HOLDER : RA816662001 OR EQUIVALENT.), MAKE-HINDWARE: EQ MODEL )</b>				
	C.P. brass	Each	9.00		
78	Providing, fixing, jointing and testing in position of ISI marked UV stabilized <b>UPVC pipes</b> for <b>soil, waste SWR Type-B</b> as per IS : 13592 suitable for rubber ring joints for vertical pipes and solvent cement joints for horizontal pipes, including all necessary specials and fittings (confirming to IS:14735) i.e. bends, tees, junctions (with or without doors), reducers, couplers, cowls, clamps, hangers, rubber rings, clean outs, provision for C P Grating fixing for any waste connection from washing machine etc. fixing at wall / ceiling / floor level supported by clamp & hangers etc. inside duct / suspended from floor under false ceiling for proper completion of the work. The rubber ring shall confirm to IS:5382. ( SOIL, WASTE , VENT & RAIN WATER ) ) <b>(MAKE:- SUPREME, PRINCE, ASHIRVAD)</b>				
a.	75 mm diameter pipe	Metre	12.00		
b.	110 mm diameter pipe	Metre	12.00		
c.	160 mm diameter pipe	Metre	12.00		
79	Providing and fixing in position Upvc full bore <b>P / S trap</b> with 50 mm water seal (IS : 14735) of the following sizes . Making proper connection with solvent cement.	Each	9.00		
80	Providing, fixing & testing <b>uPVC pipes</b> , conforming to <b>IS 4985 class 3 (6 kg/cm<sup>2</sup>)</b> including injection moulded fittings, jointing with solvent cement, cutting and making good the floors and walls and jointing to trap/waste pipe, complete of outer dia. <b>(Indirect waste) (MAKE:- SUPREME, PRINCE, ASHIRVAD)</b>				
a.	40 mm diameter pipe	Metre	12.00		
b.	63 mm diameter pipe	Metre	12.00		
81	Providing & fixing Nickel Chromium Plated liquid <b>soap container/dispenser</b> with metallic bottle of approved brand & make 112 mm distance from wall of standard shape with bracket (Nickel chromium plating should pass Salt Spray Test for 200 hours) of the same materials with snap fittings of approved quality and colour, complete as per direction of Engineer in Charge. ( <b>MAKE: KOHLER : MODEL NO. - K-10712D-CP) (ROCA MODEL :NO. -RA816070105.), MAKE:- JAQUAR MODEL NO. AKP-CHR-35735P)</b>	Each	-		
82	Providing, Fixing of CP brass <b>Towel Ring</b> with CP brass wall brackets and providing & fixing CP brass screws complete as required. <b>(MAKE: KOHLER : MODEL NO. TOWEL RING : K-25067IN-CP) (ROCA MODEL NO. - RA816656001), MAKE:- JAQUAR MODEL NO. CAN-CHR-1121BN)</b>	Each	4.00		
83	Providing, Fixing of CP brass <b>Towel Shelf</b> 600mm long without hanger with 3 hooks and CP brass screws complete as required. <b>(MAKE: KOHLER : MODEL NO. TOWEL SHELF : K-25066IN-CP) (ROCA : MODEL NO. -RA816070168), MAKE:- JAQUAR MODEN NO. AHS-CHR-1581)</b>	Each	4.00		
84	Providing & fixing <b>soap dish holder</b> of approved design. <b>(MAKE: KOHLER : MODEL NO. SOAP DISH : K-25068IN-CP) (ROCA MODEL NO. -RA816683001.), MAKE:- JAQUAR MODEL NO. AKP-CHR-35731P)</b>	Each	-		
85	Providing and fixing white vitreous china Oval shaped wash basin for top/under counter mounting with 15 mm C.P. brass pillar tap of approved quality and make with, including painting of fittings and brackets, cutting and making good the walls wherever required. ( <b>MAKE : KOHLER : MODEL NO. WASH BASIN : K-2660IN-1-O &amp; PILLAR TAP : K-23475IN-4-CP) (ROCA MODEL NO. -RS3270Y2000 &amp; PILLAR TAP : RT5A3C09CON), MAKE- HINDWARE-EQ MODEL OF WASH BASIN &amp; PILLAR TAP)</b>				
a.	White Vitreous China Oval shaped Wash basin size 584 x 460 x 174mm with 15 mm C.P. brass pillar tap auto closing type of approved make with flow rate 2.5 litre per minute at 3 bar .	Each	9.00		
86	Providing and fixing CP brass Tube spout kitchen faucet complete with flow rate 2.5 litre per minute at 3 bar including cutting and making good the walls where required. ( <b>MAKE : KOHLER : MODEL NO. KITCHEN FAUCET : K-99176IN-4-CP) (ROCA MODEL NO. -RT5A847AC0H), MAKE:- HINDWARE (EQ. MODEL)</b>	Each	1.00		
87	Providing,Fixing wall mounted <b>Double Coat hook</b> on door complete. ( <b>MAKE-KOHLER: MODEL NO. COAT HOOK : - K-25073IN-CP-CP) (ROCA MODEL NO. -RA816651001), MAKE:- JAQUAR MODEL NO. AQN-CHR-7761)</b>	Each	7.00		
88	Providing and fixing CP brass <b>1 Way Bib cock</b> with wall flange with flow restrictor with flow rate 2.5 litre per minute at 3 bar. ( <b>MAKE-KOHLER: MODEL NO. 1 WAY BIB COCK : K-16093IN-4-CP) (ROCA MODEL NO. -RT5A787ACA1), MAKE:-MAKE:- HINDWARE (EQ. MODEL)</b>	Each	9.00		
89	Providing and fixing straight type Macfit single body push fit type <b>WC pan connector</b> with factory supplied spring loaded seal guard of <b>McAlpine, UK</b> with integral single mould sealing fins made of flexible EVA body, including bush/adaptor for use with C.I. Pipe as supplied with the pan connector. <b>(MAKE:- SUPREME, PRINCE, ASHIRVAD)</b>	Each	-		

90	Providing and fixing <b>mirror (1000x1000 mm)</b> of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with <b>6 mm</b> thick hard board backing complete as required. (MAKE:- MODIGUARD, SAINT GOBAIN GLASS INDIA LIMITED, ASAHI GLASS)	Sqm	7.00		
91	Providing, fixing, testing & commissioning of Floor drain made of uPVC reducing elbow (110x63 mm) with horizontal drain outlet of 63 mm OD, round top of 110 mm OD. (Floor Drain) (MAKE:- SUPREME, PRINCE PIPING SYSTEM, ASHIRVAD)	Each	21.00		
92	Providing & fixing uPVC clean out plug with suitable opening with threaded uPVC socket fixed to uPVC pipe joints as required complete in all respects. (MAKE:- SUPREME, PRINCE PIPING SYSTEM, ASHIRVAD)				
a.	110 mm dia	Each	12.00		
b.	160 mm dia	Each	12.00		
93	Providing, fixing and testing of uPVC SWR inlet fittings with two or three saddle inlets of 40, 50 or 63 mm size, fabricated from 110 mm outer dia uPVC pipes and fixed to uPVC traps with solvent cement joint complete in all respect. (MAKE:- SUPREME, PRINCE, ASHIRVAD)	Each	12.00		
94	Providing and fixing <b>SS Grating</b> of 125 mm dia of approved quality and colour complete as per direction of engineer in charge. (MAKE:- SYSCRAFT GLOBAL ENTERPRISES, INDIA, RELIABLE METALS INDIA, ASHIRVAD)				
a.	Circular Type				
	125 mm nominal dia with 25 mm waste hole	Each	1.00		
17.00	<b>TOTAL OF SUB HEAD 17 - SANITARY INSTALLATIONS</b>				
	<b>WATER SUPPLY</b>				
95	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
	Internal work - <b>Exposed on Wall</b>				
a.	15 mm nominal outer dia Pipes (LUM SUM)	Metre	-		
b.	20 mm nominal outer dia Pipes	Metre	-		
c.	25 mm nominal outer dia Pipes	Metre	-		
d.	32 mm nominal outer dia Pipes	Metre	-		
e.	40 mm nominal outer dia Pipes	Metre	-		
f.	50 mm nominal outer dia Pipes	Metre	-		
g.	65 mm nominal inner dia Pipes	Metre	-		
96	Providing and fixing <b>Chlorinated Polyvinyl Chloride (CPVC) pipes</b> , having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.				
	<b>Concealed work</b> , including cutting chases and making good the walls etc.				
a.	15 mm nominal outer dia Pipes	Metre	1.00		
b.	20 mm nominal outer dia Pipes	Metre	100.00		
c.	25 mm nominal outer dia Pipes	Metre	20.00		
d.	32 mm nominal outer dia Pipes	Metre	10.00		
97	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.				
	<b>External Work</b>				
a.	25 mm nominal outer dia Pipes	Metre	1.00		
b.	32 mm nominal outer dia Pipes	Metre	12.00		
c.	40 mm nominal outer dia Pipes	Metre	1.00		
d.	50 mm nominal outer dia Pipes	Metre	1.00		
e.	65 mm nominal inner dia Pipes	Metre	1.00		
f.	80 mm nominal inner dia Pipes	Metre	1.00		
98	Providing and fixing <b>gun metal gate valve</b> with C.I. wheel of approved quality (screwed end) :				
a.	20mm nominal bore	Each	10.00		
b.	25mm nominal bore	Each	1.00		
c.	32mm nominal bore	Each	10.00		
d.	40mm nominal bore	Each	5.00		



e.	50mm nominal bore	Each	1.00		
f.	65mm nominal bore	Each	1.00		
99	Providing and fixing <b>ball valve</b> (brass) of approved quality, High or low pressure, with plastic floats complete :				
a.	20 mm nominal bore	Each	1.00		
b.	25mm nominal bore	Each	2.00		
100	Providing and fixing <b>uplasticised PVC connection</b> pipe with brass unions :				
a.	45 cm length				
b.	15 mm nominal bore	Each	1.00		
a.	With common burnt clay F.P.S (non modular) bricks of class designation 7.5	Each	1.00		
101	Providing and fixing C.P. brass <b>angle valve</b> for basin mixture and geyser points of approved quality confirming to IS: 8931. (MAKE : KOHLER , MODEL NO. ANGLE VALVE : K-80158IN-9-CP) (ROCA MODEL NO. -RF525159700), MAKE:- JAQUAR- MODEL NO. ALI-CHR-85041)	Each	12.00		
102	Providing and fixing <b>gun metal gate valve</b> with C.I. wheel of approved quality (screwed end). (MAKE: - ZOLOTO, SKS VALVES, KARTAR)				
	15mm nominal bore	Each	5.00		
103	<b>Butterfly valve</b> (manual) with C.I body SS disc nitrile sheet & O ring & PN 16 Pressure rating as specified 100 mm nominal bore				
	50 mm dia.	Each	5.00		
	65 mm dia.	Each	4.00		
a.	80 mm dia.	Each	2.00		
b.	100 mm dia.	Each	1.00		
104	<b>Non - return valve</b> with dual plate of CI Body SS plates vulcanized NBR seal flanged end & PN 16 rating as specified.				
a.	65mm dia.	Each	1.00		
b.	80 mm dia.	Each	1.00		
c.	100 mm dia.	Each	1.00		
105	Providing & fixing CI <b>Y Strainer</b> (screwed/ flanged) with stainless steel fine wire mesh perforated sheet basket with necessary flange/ unions nuts, bolts and washers complete as required. (MAKE: - ZOLOTO, SKS VALVES, SANT)				
a.	32mm nominal bore	Each	-		
b.	40mm nominal bore	Each	-		
c.	50mm nominal bore	Each	-		
d.	65mm nominal bore	Each	-		
e.	80mm nominal bore	Each	-		
f.	100mm nominal bore	Each	-		
g.					
106	Supplying and fixing in position of approved quality <b>Solenoid Valve</b> with by-pass arrangement, isolation cock etc. complete with all required accessories such as level sensor, level indicator, level controller and required cabling for the same. (MAKE: - ZOLOTO, SKS VALVES)				
a.	25 mm dia	Each	-		
b.	32 mm dia	Each	-		
c.	40 mm dia	Each	-		
d.	50 mm dia	Each	-		
e.	65 mm dia	Each	-		
f.	80 mm dia	Each	-		
g.	100 mm dia	Each	-		
h.					
107	Providing, Fixing, Testing & Commissioning of <b>nitrile rubber insulation</b> on hot water supply pipes. K-Flex, A-Flex, Armacell. The rate include cost of all material & labour involved in the item complete and all as per direction of engineer incharge. (MAKE: - THERMAFLEX INSULATION ASIA CO. LTD. , KFLEX)				
a.	15mm (9 mm thickness)	Metre	10.00		
b.	20mm (9 mm thickness)	Metre	-		
c.	25mm dia (9 mm thickness)	Metre	-		
d.	32mm dia (13 mm thickness)	Metre	-		
e.	40mm dia (13 mm thickness)	Metre	-		
f.	50mm dia (13 mm thickness)	Metre	-		
g.	65mm dia (19 mm thickness)	Metre	-		
h.	80mm dia (19 mm thickness)	Metre	-		
i.	100mm dia (19 mm thickness)	Metre	-		

108	Providing and fixing Bronze compact(Screwed) <b>Diaphragm type pressure reducing valve (PRV)</b> with strainer delivering desired rate of flow. The complete system is tested to a pressure not less than 16 Kg / Sq.cm and suitable to reduce the pressure upto 1 Kg/Sq.cm) including flanges / unions, nuts, bolts and washers complete as required. <b>MAKE :- HONEY WELL, KARTAR, AGRICULTURE &amp; INDUSTRIAL PUMPS</b>				
a.	15 mm dia	Each	-		
b.	20 mm dia	Each	-		
c.	25 mm dia	Each	-		
d.	32 mm dia	Each	-		
e.	40 mm dia	Each	-		
f.	50 mm dia	Each	-		
18.00	<b>TOTAL OF SUB HEAD 18 -WATER SUPPLY</b>				
	<b>DRAINAGE</b>				
109	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design:				
a.	150 mm diameter S.W. pipe	Metre	-		
b.	200 mm diameter S.W. pipe	Metre	-		
c.	250 mm diameter S.W. pipe	Metre	-		
110	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :				
	150 mm diameter S.W. pipe / RCC pipe	Metre	-		
	200 mm diameter S.W. pipe / RCC pipe	Metre	-		
	250 mm diameter S.W. pipe / RCC pipe	Metre	-		
	300 mm diameter S.W. pipe / RCC pipe	Metre	-		
111	Providing and fixing square-mouth <b>S.W. gully trap</b> class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :				
a.	180 x 150mm size P-type				
b.	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	-		
112	Providing and laying non-pressure <b>NP2 class</b> (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : <b>(For Sewer &amp; Storm Line)</b>				
a.	150 mm dia. R.C.C. pipe	Metre	-		
b.	250 mm dia. R.C.C. pipe	Metre	-		
c.	300 mm dia. R.C.C. pipe	Metre	-		
d.	450 mm dia. R.C.C. pipe	Metre	-		
e.	500 mm dia. R.C.C. pipe	Metre	-		
f.	600 mm dia. R.C.C. pipe	Metre	-		
g.	700 mm dia. R.C.C. pipe	Metre	-		
h.	800 mm dia. R.C.C. pipe	Metre	-		
i.	900 mm dia. R.C.C. pipe	Metre	-		
j.	1000 mm dia. R.C.C. pipe	Metre	-		
k.	1100 mm dia. R.C.C. pipe	Metre	-		
l.	1200 mm dia. R.C.C. pipe	Metre	-		
113	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
a.	Inside size 90 x 80 cm and 45 cm deep including CI cover with frame (light duty) 455 x 610mm internal dimensiions total weight of cover and frame to be not less than 38 Kg. ( weight of cover 23 Kg. and weight of frame 15 Kg.), with FPS bricks with class designation 7.5				
b.	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	-		
114	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :				
a.	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	-		
115	Extra for depth for manholes:				
a.	Size 90 x 80 cm				

b.	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	-		
116	Size 120x90 cm				
a.	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	-		
117	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), in side cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :				
118	0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately):				
a.	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	-		
119	Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m				
a.	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	-		
120	Providing orange colour safety <b>foot rest</b> of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	Each	-		
121	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				
a.	For pipes 100 to 250 mm diameter	Each	-		
122	Constructing brick masonry road gully chamber 50x45x60cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450mm precast RCC horizontal grating with frame complete as per standard design.				
b.	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	-		
123	Providing and fixing <b>F.R.P. Grating</b> drain cover M.S. Angle ( 35 x35 x 5 mm). ( Load Bearing cap. 5 T, suitable for car parking, basement, Pump room, Parking Area ). <b>MAKE:- CRESCENT, GLOBAL WORLD</b>				
	377mm wide and 30mm thick	Metre	-		
19.00	<b>TOTAL OF SUB HEAD 19 -DRAINAGE</b>				
B.	<b>TOTAL PLUMBING WORK</b>				

BOQ AND ESTIMATE OF FURNISHING WORKS FOR CANARA BANK, CIRCLE OFFICE, KARNAL, HARAYANA					
A	FURNISHING WORKS				
S. No.	Description	Qty	Unit	Rate (Rs.)	Amount
1	<b>FALSE CEILING (Including ATM Ceiling)</b>				
a.	Providing and fixing GYPSUM BOARD FALSE CEILING in levels as per the detailed drawing - made up of G.I frames as specified by Gypsum India/Saint -Gobain Gyproc and 12mm thick Gypsum board with suitable suspenders fixed to the ceiling. Ceiling section, perimeter channel of size 20X27X30 mm and 0.55 mm thick for light fittings, AC Grills, diffusers, suspenders etc. shall be standard sections supplied by Gypsum India/ Saint Gobain. Spacing of intermediate channels shall be at 1200 mm c/c and ceiling section at 457 mm c/c. The work includes taping and jointing, applying primer, two or more coats of plastic emulsion paint of approved shade ICI/ ASHIAN PAINTS make, making cut-out for light fixtures /fittings, etc. The Final coat shall be done with FOAM ROLLER and no brush marks should be visible. Providing of perimeter channels / beading etc. as per drawing complete in all respects.(All measurement in sqft only and finished surface area shall be measured)	3300	sqft		
b.	<b>GRID FALSE CEILING(24" x 24")</b>				
	24"x24" Grid False Ceiling Providing and fixing in the true horizontal level false ceiling system of Armstrong world industries. The suspension system shall be the Armstrong Trulock Silhouette revealed profile grid system with 15mm wide flanges incorporating a 3mm or 6mm central recess color black or white revealed Silhouette main runners and cross tees to have mitered ends with birds mouth notches to provide mitered cruciform junctions. Main runners to be spaced at 12mm c/c fixed by using 2mm pre straightened GI Wire.Main tee, rotary stitched of size 15mm x44mmx3600mm at every 1200mm c/c maximum and 1200mm cross tee of size 15mmx44mm x1200mm at every 600 mm c/c maximum and 600 mm c/c cross tee of size 15 mm x 44 mm x 600 mm at every 1200mm c/c maximum and 19mmx19mmx3000 wall angle. All as per the design and instructions Architects (make- Armstrong & thickness of tile- 16 mm)	3200	sqft		
c.	Providing & Fixing of Ceiling tiles shall be of high acoustic performance of Decosonic CNBM make and micro edge glass fiber in size 600x600x15 mm of color white/Black. It comprises a high-density glass wool panel covered with painted glass wool tissue for decorative ceiling effect and glass wool tissue on the backside and having sealed edges. It shall have a noise reduction co-efficient of greater than 0.90, light reflection of over 85%, density of 100kg/m3, humidity resistance. To lay the field panel of size 600x1200mm, flush fitting 1200mm long cross tees to be interlocked between main runners at 600mm centre. Thus a grid system of 600mm X 1200mm is formed. Installation shall not begin until all wet work is completed and dry. Building shall be properly enclosed and under standard occupancy conditions (temperature of 20-40°C and not more than 70% relative humidity) before installation begins (make- Armstrong & thickness of tile- 16 mm)	88	sqft		
2	<b>PARTITIONS WITH WOODEN PRESERVATIVE</b>				
a	<b>Low height Partition</b> Providing & fixing of LOW HEIGHT PARTITION (HT. 4'-6") made of 2"x2" aluminium tublar section framework (16 gauge) 2'0" c/c both ways 10 mm MDF BOARD of approved make on both faces finished with 1mm thick laminate of approved shade. Till the height of 3'-3" and 1'-3"(10mm thk.) toughened glass on (side & front) top complete with teak beading, The PU polishing teak sections of approved shade as per drawing and fixing of soft board covering with similar fabric. Complete in all respects to the complete satisfaction of the Architect.	1996	sqft		
b	<b>Full height Partition</b> Providing & fixing of FULL HEIGHT PARTITION up to ceiling level partly glazed, made of 2"x2" aluminium tublar section framework (16 gauge) 2'0" c/c both ways 10 mm MDF BOARD of approved make on both faces finished with 1mm thick laminate of approved Make and shade. minimum 8 mm thick toughened glass of approved make with etching/taping as required) on the glazed portion. The work includes PU polishing on woodwork and teak beading etc. Complete in all respects to the complete satisfaction of the Architect. <b>Including doors but excluding cost of door closers, mortise locks.</b>	1404	sqft		
b1	<b>Full height Partition with acoustic</b> Providing & fixing of FULL HEIGHT PARTITION up to ceiling level partly glazed, made of 2"x2" aluminium tublar section framework (16 gauge) 2'0" c/c both ways 9 mm plywood of approved make on both faces consisting of 2" mm thk. Polyester fibre acoustic panel finished with 4 mm thick Veneer of approved make and shade. The work includes spirit polishing on woodwork and teak beading etc. Complete in all respects to the complete satisfaction of the Architect. (Basic rate of Veneer- 350/- per ft.) <b>Including doors but excluding cost of door closers, mortise locks.</b>	450	sqft		
	<b>Sliding folding full height Partition</b> Providing & fixing of FULL HEIGHT PARTITION up to ceiling level partly glazed, made of 2"x2" aluminium tublar section framework (16 gauge) 2'0" c/c both ways 9 mm plywood of approved make on both faces consisting of 2" mm thk. Polyester fibre acoustic panel finished with 4 mm thick Veneer of approved make and shade. The work includes spirit polishing on woodwork and teak beading etc. (Basic rate of Veneer- 350/- per ft.) Including doors but all sliding and folding fittings and fixtures with locking system etc. Complete in all respects to the complete satisfaction of the Architect.	80	sqft		
c	<b>SEMI GLAZED PATITION</b> Providing & fixing of partly glazed (12mm toughened glass of approved make as per design), made of 2"x2" aluminium tublar section framework ( 16 gauge) 2'0" c/c both ways <b>10 mm MDF BOARD of Approved Make on both faces finished with 1mm thick laminate of approved make &amp; shade</b> The work includes providing PU polishing of shade on woodwork and steam beach beading etc. Including doors but excluding cost of door closers mortise locks. Complete in all respects to the complete satisfaction of the Architect./Engineer.	100	sqft		
f	Providing and fixing of fallowing items/ accessories completed in all including				
i	Mortise locks with handles.(Make Godrej)	18	no.		
ii	Hydraulic Door closer.(Make Godrej/ Universal)	18	no.		
ii	Floor springs.for Glass door.(Make Godrej/ Universal)	9	no.		
3	<b>GLASS DOORS</b>				
A	Providing and fixing of (3'-0"/ 3'-6" X8'-0" )12mm toughened glass door with18" long SS handles, floor spring (Ozone-FS- 9400) etc, locking arrangement of brass make at top of standard make(patch fitting), including fixing of Frosted strip vision film & bank logo as directed by the Bank/ Architects.	315	sqft		
B	<b>FIXED GLAZING</b> Providing and fixing external <b>FIXED GLAZING</b> comprising of 12 mm thick toughened glass of approved Make with top, bottom and vertical U Channel frames comprising of powder coated (shade as approved) 16 gauge Aluminium members of approved shade 1.5mm avg. thick top, bottom & vertical member with clip sections as per specifications and drawings to complete satisfaction of the Architect.	191	sqft		
C	<b>BLOCK DOORS</b> Providing and fixing solid core 38 mm solid core flush door finished with lippings in all side with necessary door hinges , cylindrical locks(golden, Godrej) , door clouser, door stoppers, etc with a frame work of T.W./Beech wood size 75mm x 62.5mm with necessary hold fast fixed to the wall/partition. 1 mm laminate to be fixed on both sides duly finished,edges to be finished with wooden lippings.A wooden moulding size 1.5"x2/8" to be provided all along the periferi of the frame work in the both sides . All the wooden area to be duly polished as per specification of the Architect. In case of Partly glazed door 8 mm thk etched toughened glass with granular blasting/sand blasting as per design of the Architect to be fixed with necessary mouldings.				

a	<b>Partly glazed door with out etching &amp; frosting</b>				
i	(7'-0" X3'-0" )	312	sqft		
b	<b>Blocked doors</b>				
i	(7'-0" X2'-6" )	173.3	sqft		
4	<b>COUNTERS AND TABLES</b>				
a	Providing and fixing Tables with <b>10mm beveled toughened glass of approved make to be fitted on top</b> obtain the total <b>height of 2'-6" as per detailed drawing, made up of 19mm board of approved Make and finished with 1 mm thick laminate of approved make, and shade.</b> Table(with one side drawer unit and another side drawer unit ) shall be provided with drawers sliding on telescopic channels and one cabinet with proper locking arrangements and keyboard with telescopic channels . The work includes providing and fixing of foot rests, shelf for CPU, furniture locks, wire managers, PU polishing of steam beach/ white cedar beading etc. and The inner exposed surfaces to be finished with 0.8 mm thick laminate of approved shade. complete in all respects to the entire satisfaction of the Architect/Bank.				
i	DGM Table size: 7'-0"x 3'-0 x 2'-6"	2	nos.		
ii	AGM Table size: 6'-0"x 3'-0 x 2'-6"	2	nos.		
b	<b>CONFERENCE TABLE</b> Providing and erecting in position CONFERENCE TABLE of approx size 24'-6" X 6' oval shaped (30 seater) as per layout to be made out of 19mm thk Commercial ply top with 60 X 60mm thk t.w.moulding all round the top to be finished with approved 4.0 mm thk veneer with approved polycoat polish, and to be erected on a framing of t.w 75 X 75 mm thk moulded frame including bracings at a regular interval of 900 mm centres finished with ply on both sides & 4.0mm thk veneer (Basic Price Rs 150/- per Sqft) with melamine polish. The exposed middle verticals (aprons) shall be finished with approved 4.0 mm thk natural veneer with melamine polish. The table shall have 3 nos of cut outs for placing planters with internal surfaces to be finished with the same 4.0mm thk veneer with polycoat polish. The rate shall include the cost of planters & white pebbles filling the cut out area including 12mm thk toughened glass for the cut out area supported on t.w moulding with melamine polish on sides etc complete. The rate shall be inclusive of necessary cut outs & provisions for video/tele conferencing, wire managers, necessary hardware, cable cubby, cabling arrangements for video / tele conferencing, Poppup box and openings for speakers etc complete in all respects to the complete satisfaction of the Architect	1	no.		
c	<b>GM TABLE WITH SIDE UNIT</b> Providing & Fixing of GM table as per image/ design with overall size of table 2250 x 2100 x 750mm. GM table of size 2250x925x750mm Ht, in single unit,Top to be made out of double layer of 19mm thk. board + 3.5mm thk. Premium category Veneer on exposed surfaces. All other surfaces to be pasted with matching teak wood lipping, Drawers to be made out of 19mm thk.MDF board + 3.5mm thk. Premium category Veneer on exposed and horizontal surfaces. All other surfaces to be pasted with 1mm matching laminate/ teakwood lipping, Shutter to be made out of 19mm thk. board +3.5mm thk. Premium category Veneer on exposed surfaces. All other surfaces to be pasted with 1mm matching laminate/teak wood lipping,and in middle portion with leatherette for writing of size 1500x600 i/c tightening with 6mm mdf board ,necessary moulding and lipping of teakwood etc. of approved make , finishing with melamine polish (matt finish) on all surfaces etc.,8mm toughened glass on top of table complete in all respect as per specification and direction of Engineer-in-charge (Premium category Veneer base price 300 Rs/ Sqft). Providing and placing in position 1200 lenght,450mm deep, 750mm height low height side cabinet of table made with 19mm commercial block board with 3.5mm thk. Premium category Veneer on exposed surface and rest area pasted with 1mm thick laminate as per drawing, drawers mounted on telescopic sliding channel, providing with 3mm oak wood lipping all round shutters fixed with auto closing hinges, the unit finished with melamine polishing all complete as per approved drawing and as per direction of Architect only.	1	no.		
d	<b>Back Unit:</b> Providing & Fixing Back Unit having overall size as per design/ drawing with top made of 4 mm thick veneer& edges of the unit also with veneer and corian finish with toughened glass salves and door. Back Unit shall have understructure having verticals made of 18 mm thick plywood finished in veneer and the unit finished with melamine polishing all complete as per approved drawing and as per direction of Architect only.	1	no.		
e	<b>RECEPTION TABLE WITH BACK UNIT</b> Table top: Table top of 2'-6" wide to be formed out of 19mm thick commercial ply clad with 6mm thick approved Corian, complete as per detail dwg. & Architect's instruction (size- 8'-6" x 2'-6" x 3'-6")	1	no.		
	Modesty panel: Modesty shall be formed out of 19mm thick commercial ply boxing finished in 6mm thk approved Veneer with PU polish Finish from outside and all inner surface should be finished with 0.8 mm tk laminate from inside. Provision for Cove lighting to be done as per dwg Complete as per detail dwg. & Architects instruction. Cost to include providing & fixing 6mm thk SS inlays as shown in the drawing.				
	Back Unit : Providing and fixing of 9'-0" X 1'-6" X 2'-6" ht. made out of 19mm thk Commercial Ply finished with 4mm thk approved venner . Drawer unit to have 2 drawers and 1 shutter made out of 19mm thk commercial ply finished with approved 1mm thk laminate , mounted on approved drawer channel, central locking, approved handle. Complete as per the detailed dwg and instructions of the Architect.				
f	<b>SIDE CREDENZAS</b>				
	Providing and fixing SIDE CREDENZAS size 3'-0" to 4'-0" x 1'-3" x 2'-6" made of 19mm board of approved make finished with 1 mm thick laminate of approved Make and shade on top, back, sides and front having two drawers and cabinet below complete with all accessories like locks, handles, megnetic catcher etc. Teak wood beading on all exposed edges with PU polish. (Should not be attahced with partitions)	19	no.		
g	<b>WORK STATIONS TABLE</b> Providing and fixing of COMPUTER work Stations as per layout plan and and <b>10mm beveled Toughened glass of approved make to be fitted on top</b> obtain the total height of 2'-6" high working top (As per drawing) made up of 19mm board / ply of approved Make, finished with 1 mm thick laminate of approved Make, shade as approved as per the detailed drawing . The tables shall have as per approved shade and color. <b>All exposed surfaces (such as counter front, sides, drawers and cupboard etc) must be finished with 1mm thick laminate of approved make. Table top shall be finished with 1mm thick laminate. The inner exposed surfaces to be painted over one coat of primer and enamel paint of approved shade.</b> Each unit of table shall be provided with keyboard tray with telescopic channels. The work includes fixing of wire managers, locks, footrests, PU polishing the steam beach beading, lipping, exposed frame, etc. as per drawings, and The inner exposed surfaces shall be finished with 0.8mm thick laminate of approved shade. complete in all respects to the complete satisfaction of the Architect/Bank.				
i	Officers Table (5'-0"/5'-6" x 2'-6 x 2'-6")	55	nos		
ii	Officers Table/ staff tables (4'-0"/4'-6" x 2'-6" x 2'-6")	2	nos		
iii	Staff running counter	34.5	rft		
5	<b>MISCELLANEOUS FURNITURE</b>				
a	Providing & fixing STORAGE CABINETS indipandent units (movable) 12 feet long (maximum) 4'-6" ht and 1'-6" deep as per layout plan made up of 19mm board/ply of approved make and finished with 1mm thick laminate of approved make, shade and as per detailed drawing . <b>one shelves made up of 19mm thick board, each drawer(with lock) &amp; cabinet(with lock) 19mm thickness portion every place must be finished with proper lipping/ margin teak wood finish.</b> In side and back shall be finished with 0.8mm thick laminate of approved Make and color The work includes supplying, fixing of hinges, magnetic catchers, handles, locks, teak lipping etc as specified. complete in all respects.	20	rft		
b	Full height STORAGE CABINATES upto 8'-6" false ceiling hight specification as per (a)	0	Sqft		
c	Half height STORAGE CABINATES upto 4'-0"/ 2'-6" hight specification as per (a)	609	Sqft		

	f	<b>COLUMN / WALL PANNELING</b> Providing and fixing of COLUMN PANNELING as per design, consisting of 10 mm thick MDF BOARD of approved Make fixed on wall with made of 2"x2" alluminium tublar section framework (16 gauge) 2'0" c/c both ways. The above shall be laminated with 1mm thick mica of approved Make, The work includes PU polishing of wood beading, complete in all respects as per detailed drawings to the complete satisfaction of the Architect.	1200	sqft		
	g	Providing & fixing in position wall panelling as design (Location : Conference room & GM Cabin) consisting of 9.0 mm thk. Polyester fibre acoustic panel to be fixed over 6.0 mm thk. marine grade ply (IS:710) with aluminium hat furring channel 22-25 @ 500 mm. both direction. The side / edge of the elevated panels to be covered with approved wooden finish laminate 1.0 mm. thk. The item is to be completed in all respects as per design & approval of the architect.	350	sqft		
6		<b>NOTICE BOARD</b> Providing and fixing soft board with glass White board necessary framework and 12mm bwp plywood on top 12MM jolly board to be fixed finished with fabric @Rs80 , with necessary mouldings duly polished along the periferi.The work to be completed as per approval and satisfaction of the Architect.	12	Sft		
7		<b>CENTER TABLES (3'-0" X 2'-0" X 1'-6"HT)</b> Providing and making center tables of above mentioned size as per drg. Table top shall consist of 12 mm. Thk.float glass with champhered edge with approved quality etching. The base shall be made up of CP Teak wood frame as directed by the Architect. All exposed faces finished with natural PU polish (if wood frmes are used) or with 1.0mm Thk laminate for ply. All inner surfaces will be finished with natural french polish.	6	no.		
8		<b>ROLLER BLINDS</b> Supplying & Fixing of Seclusion Blockout fabric made up of 100% Polyester with Acrylic coated of 0.32mm(PVC free) of thickness 0.50mm ±5% and wieghing 270-295gsm with openess factor of 0% .Shrinkage % Warp5-6. GREENGUARD certified fabric.The Roller blind system consists of 38mm OD extruded out of Aluminium alloy 6063 T6 with silver anodized to provide an everlasting finish and luster, the rotary unit shall be 36mm in OD incorporating a clutch mechanism composed of low – flexing braided polyester cord with nylon core, Control Ball chain shall be composed of braided nylon cord (2mm dia) with high engineering grade plastic beads of 4.5mm diameter mounted co-axially on the cord with a pitch of 6.2mm (C-T-C) Bottom rail should be powder coated Aluminium flat bottom rail of 290 gm to finish it from the ends it should have rail end caps. The clutch will be at the tube. The return end cap bracket shall incorporate snap spring design to facilitate easy installation and removal for maintenance activities. The bracket shall be finished with a flush mounting cover on each side providing an aesthetic finish. It should handle up to 5 Kgs of material. The clutch should mount flush to the face of the bracket which minimize the light gap between the shade and the window frame. Material & Color shade will be as per sample approved by Architect. (Make- Graber/walltact/hunter Douglas)	1200	Sft		
9		Providing and fixing at Wooden work for ceiling made by 6 mm thk marine grade ply (IS-710) to be finished in 4.0 mm thk. polished veneer of approved shade, fixed to suspended Gypsteel chanel of appoprete size to hold the ceiling ply. The item is to be completed in all respects as per design & approval of the architect. The rate to be included for making necessary cut outs for light fittings, ac unit or other equipments.	100	Sft		
10		Providing and fixing of wall paper of approve shade and pattarn of Marshall /Excell/ WK make to wall/partition as per instruction with adhesive including all labour and material. This is to be pasted over POP / Putty surface with primer finish (cost of primer to be included in the rate). The item is to be completed in all respects as per design & approval of the architect. (basic cost of wall paper : Rs. 50.00/ s.ft.) (Location : DGM rm & Conference rm)	150	Sft		
11		<b>MDF JALI:</b> Providing, fabricating & fixing of Jali work Partition made of 25 mm MDF finished in Mettalic Duco paint to be fixed to the floor and ceiling, complete as per the detailed dwg or the instructions. Cost also to include Design and Lazer Cutting on theMDF , and MS supports above False ceiling up to true ceiling . Mode of measurement : Length & height upto Height of the Jali Work Partition shall be measured for payment. Providing and fixing 50x50mm thick teak wood in frame @ 600mm c/c horizontally and vertically for paneling frame work with coat of anti-termite treatment including hardware and adhesive as required complete as directed. Complete as per the detailed design dwg and instructions.	100	Sft		
12		<b>Frosted Film</b> -Providing & pasting frosted film (3M, Garware make) on glass work partition and glass door as required as directed by the consultant/Architect.	150	Sft		
13	i	<b>Logo</b> -Providing & pasting frosted film (3M, Garware make) coloured logo on entrance door as directed by the Consultant.	10	Sft		
	ii	S.S logo of Canara Bank in SS plate of 18 inch dia and Poster Frame - one set poster frame consisting 2 sheets of imporetred acrylic of 5 mm thickness front sheet with half inch moulding and edge polished;back sheet with polished edge and Alumunuum stud for fixing the frame on wall,One Pin Board for fixing Notices and other communication made of 24"x18" soft board,with hardwood and aluminium frame,covered with satin of appropriate colour.	2	no.		
14		Painting of walls with textured paint, double spary coat or eq. of approved shade & colour complete as per manufacturers specs .Finishing walls with textured exterior paint of required shadeNew work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/ 10 sqm- textured paint Finalize by architect only.	150	Sft		
15		Providing and fixing designer Wall Paneling with 3D engraving in 18mm thick acrylic solid surface sheet of approved make or as approved by Architect basic white/ coloured. Design & fixing arrangement as per direction of Engineer. The material should be CNC 3D cut to achieve the desired design. The CNC cut Acrylic solid surface sheet to be fixed in a box frame or on a frame or on a flat surface as per the drawing and design and as per the instructions of the Architect. The material used shall be very translucent and the light shall pass through the acrylic solid surface enhancing the design and the lights passing should be very visible. The cost shall include the framing and Boxing of wood / plywood and the frame should be of stainless steel or wood as per requirement of stability and weight carrying capacity and its requirement for support. The 3D shall be done as per the requirement of light translucency and reflection of lights required as per the design and instructions of Architect. The backlit ceiling shall have the light passing and shall have translucency. Acrylic solid surface shall have Antibacterial certificate and TUV (Austria) FR grade certified. All design and drawings will be finalized by architect complete all the work as per satisfaction only.	85	Sft		
16		"Providing 15mm thick Mikasa Make Engineered Woooden Flooring with plank width of 185mm / 135mm and length of 1800mm / 2100mm and top layer up to 3mm Oak natural Veneer. Surface of Top layer is pre finished with several layer of UV hardened Acrylic lacquer. Strictly Free from Formaldehyde and solvents. Flooring plank shall be interlocked using Plank Loc locking system in a glue less floating manner. Engineered wood planks shall be a composition of 3 layer of Pine wood with direction of each layer oriented at right angle to the adjacent layer of natural strain in Lacquer and Non Beveled /Beveled in length and width as specified by the manufacturer-in-charge. Product should be MAKE IN INDIA, to maitain a consisitent and long term supply of all required quantities. Manufacturing Plant / Product should have FSC certificate and ahere to stringent emission standards. Design and shades are finalized by Architect.	120	Sft		
		Solid Wood Skirting of Matching shade to Engineered wood floor color				
		Installation of Engineered wood flooring in Linear Pattern				
		<b>GST extra as applicable</b>	<b>Total</b>			

**BILL OF QUANTITY FOR ELECTRICAL WORK CANARA BANK, CIRCLE OFFICE, KARNAL, HARAYANA.**

**ELECTRICAL WORKS**

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
<b>A.</b>	<b>POINTS &amp; WIRING</b>				
<b>1</b>	<b>LIGHTS POINTS</b>				
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc. (wherever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multistranded copper conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete.				
	(Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				
i	Primary points controlled by one 6 amp. Modular switch.	Nos.	125		
ii	Secondary light points controlled by one 6 amp. Modular switch.	Nos.	85		
iii	One call bell point with ceiling rose/ 6amp. 3 pin sockets controlled by one 6 amp. Push Modular switch. With call bell	Nos.	5		
iv	One wall fan/ ceiling/ exhaust fan point with 6-amp 3pin socket controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	66		
v	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc. Dependent	Nos.	90		
vi	Same as serial no 1 but using 2*1.5 + 1*1.5 Sq.mm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modular socket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sq.mm copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).				
	Primary Point	Nos.	17		
<b>2</b>	<b>POWER POINTS</b>				
	Same as serial no.1, but wiring for 16 Amp, 6-pin sockets by using 2* 2.5 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 2.5 sq.mm earth wire from D.B. to first point 1 <sup>st</sup> socket and 1 <sup>st</sup> to 2 <sup>nd</sup> , socket with 2*2.5 sq.mm and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 –pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly) max 2 points per circuit.				
	Primary Point	Nos.	100		
<b>3</b>	<b>AC POINTS FOR INDOOR &amp; OUTDOOR UNITS</b>				
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*6 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box (tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.Items should be executed after approval from Bank/ Architect.	Nos.	20		
3(b)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire of weather proof type AC box with socket complete in all respects controlled by 25 A MCB to be provided near outdoor unit. The point starts from DB to the point near the outdoor unit.	Nos.	26		
<b>4</b>	<b>COMPUTER POINTS (UPS)</b>				
a	Wiring with 2x1.5 sq.mm. + 1x1.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular switch with all accessories, inner/ outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator and sockets under the counter. b) Same as above but looped from the above 1st point to 2nd, point and 2nd point to 3rd point. (Maximum 3 points in a circuit)				
	Primary Points	Nos.	100		

b	Wiring with 2x1.5 sq.mm + 1x1.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wires in 2mmthick PVC conduit from UPS DB to computer point. Each point to have 1 nos. 16 amps 5 pin modular type sockets, 1 No's 16 amps modular switch with all accessories, inner/ outer plates, metal box etc and to be fixed on wooden partitions/ by grouting on wall etc as per requirement at site. The switch should be fixed above the top of counter and sockets under the counter. or as directed by the engineer in charge for the rack supply in PA rack, CCTV etc. b) Same as above but looped from the above 1st point to 2nd point (Maximum 2 points in a circuit)				
	Primary Points	Nos.	15		
		<b>PART (A) SUB TOTAL</b>			
<b>B.</b>	<b>CONDUITING FOR TELEPHONE, COMPUTER &amp; CONDUITING, WIRING FOR T.V. SYSTEM.</b>				
<b>1</b>	<b>TELEPHONE SYSTEM</b>				
1.1	Wiring for VOICE from Jack Panel in data rack to computer workstation with Cat-6 voice cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	75		
1.2	Supplying, laying, effecting terminations, testing and commissioning of 0.51 mm dia Cu. Conductor, twisted, colour coded with polythene capor barrier, telephone cables in the existing tray or in conduit including providing & fixing conduit pipe or cable tray as required from building tag block to the floor as required.				
a)	Supplying & fixing 20 pair krone tag block with enclosure.	Nos.	5		
b)	P/L 20 Pair of PVC insulated PVC sheathed multi core jelly filled armored telephone.	Mtr.	350		
c)	Supply, Installation and Commissioning of EPABX System complete with following specifications as required.				
	Digital, Non-Blocking, ISDN / ATM, IP ready, hot standby on control cards, Communication Server with SIP.				
	Equipped with:				
	Control section cPCI architecture				
	Based on Real Time 2gIP platform				
	Trunk side :				
	2 ISDN PRI Interface (30 channels)				
	32 P&T Trunk lines				
	Extension side:				
	150 analogue extensions				
	24 digital extensions				
	24 IP extensions				
	With CALLER ID ON DIGITAL AND ANALOG PUSH BUTTON TELEPHONES / EXTENSION**Internal & External Both				
	System Features: -				
	IP Distributed Architecture				
	Parallel Ringing on Extensions as well as on GSM Handset.				
	Support for Integrated IP Gateways				
	VOIP Capability				
	System Documentation on CD-ROM				
	Support for OFC Connectivity				
	Expandable up to 200 ports.				
	For Caller ID, Analog Push Button Phone Should have the capability of CLI Only on PRI Lines/Trunk lines				
	IP Based Operator ConsoleWith BLF and Wired U.S.B. Head set - 03 Nos				
	Modem for Remote Maintenance - 01 No.				
	Maintenance Terminal software - 01 No.				
	Music In Hold - 01 No.				
	Paging Interface / Fire Alarm Interface - 01 No.				
	Voice mail (08 Ports) - 01 No.				
	Call billing software - 01 No.				
	Power back up for 04 hrs				
	Exchange described as above	Set	1		
	<b>The following items are including from the above BOQ are as follows,</b>				
	<b>All type of Active components</b>				
	<b>Switches</b>				
	<b>Patch Cards</b>				
	<b>Certification</b>				



	Uplinks between Hubs located in each floor to Server Racks and sever rack to differenct building.				
	IP Telephone Handset				
	Fiber Network for all building internal distribution & external distribution				
	Any other item related to Data networking & IP phone system.				
d)	MDF with Krone Modules 50 pairs with connector	Nos	2		
2	<b>COMPUTER NETWORKING</b>				
2.1	Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, this work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	100		
2.2	Cleaning & Re- fixing 9 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.	1		
2.3	Cleaning & Re- Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.	1		
2.4	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	150		
2.5	Supplying and fixing Patch Cord-1 Meter-	Nos.	150		
3	Supply and fixing of 1.6 mm thick G.I. Box along with RG 6 T.V Co axial socket with Cover Plate.	Nos.	10		
4	Supply, drawing, connecting, testing and commissioning of T.V Coaxial cable RG 6 with conduit.	RM	150		
		<b>PART (B) SUB TOTAL</b>			
C.	<b>CABLES, MAINS &amp; SUBMAINS</b>				
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and plastering the floor level to original. Conduit must be 30 mm below the floor finish level. <b>Items should be executed after approval from</b>				
ii	2 X 6 sq.mm. + 1 X 6 sq.mm.	RM	250		
iii	2 X 10 sq.mm. + 1 X 6 sq.mm. (Branch UPS DB)	RM	50		
iv	1 X 10 sq.mm. Cu wire for earthing. (UPS Input/Output)	RM	150		
v	4x10 sq.mm. +2x6sq.mm (Panel to TPN)	RM	50		
v	Supplying, laying, testing & commissioning of 3.5 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (Light DB + Power DB).	RM	45		
vi	Supplying, laying, testing & commissioning of 4 C X 35 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10-gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification ((Mains).	RM	75		
vii	Supplying, laying, testing & commissioning of 3.5 C x 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armored cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clampsetc. as required as per specification. (Mains)	RM	150		
		<b>PART (C) SUB TOTAL</b>			
D.	<b>DISTRIBUTION BOARD</b>				
	Supplying, installing, testing & commissioning of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required.				
	Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B,C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load.				
	Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A.				
	UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth				
	All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed. <b>Items should be executed after approval from Bank/Architects</b>				

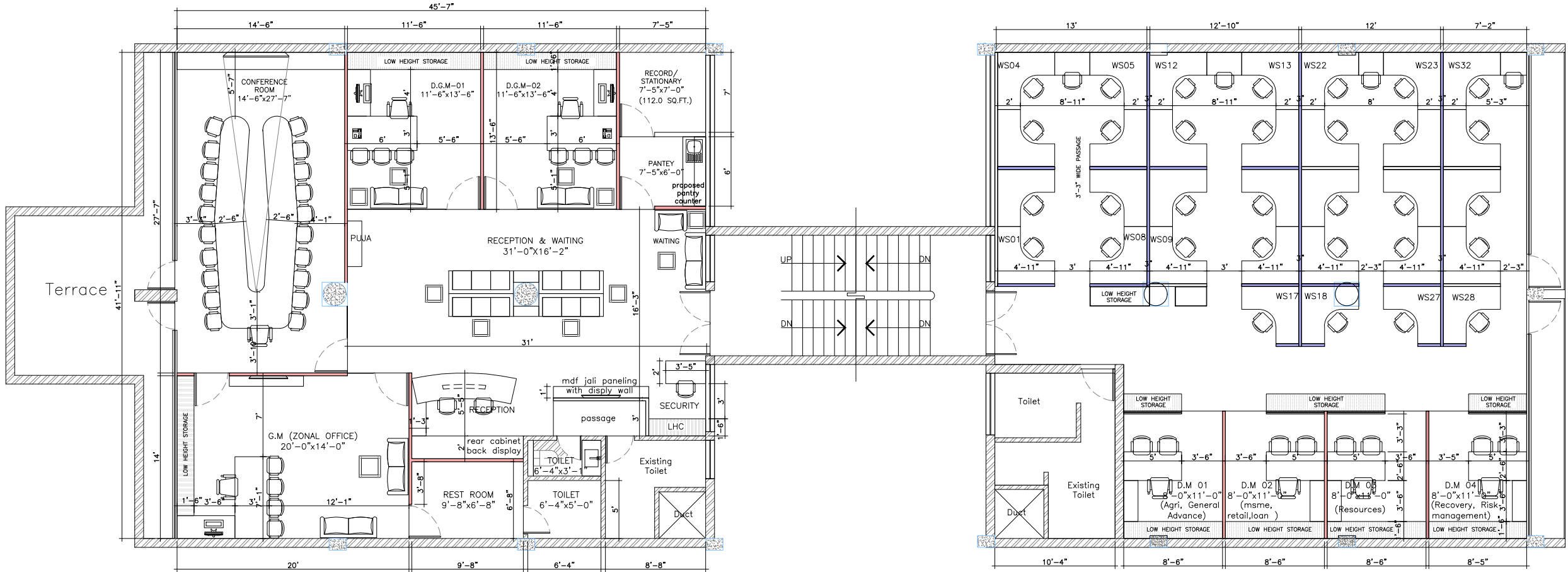
a	<b>4-way TPN DB (LIGHT DB/ Power DB)</b>	No.	1		
	<b>Incomer: -</b>				
	1 No. 40 Amp TPN (10 KA) MCB with 40 A DP MCCB (100 MA) each phase				
	<b>Outgoing: -</b>				
	6 Nos.6/10 Amp (10 KA) SP MCB				
b	<b>4-way TPN DB (AC DB)</b>	No.	1		
	<b>Incomer :-</b>				
	1 No. 63 Amp TPN (10 KA) MCB with 63 A DP MCCB (100 MA) each phase				
	<b>Outgoing :-</b>				
	6 Nos. 10/16/25/32 Amp (10 KA) SP MCB				
c	<b>4-way SPN DB with 2 Nos. 40 A (10 KA) DP MCB (For UPS Input)</b>	No.	8		
d	<b>(2+8)-way SPN DB (For UPS Sub DB)</b>	No.	4		
	<b>Incomer:-</b>				
	1 No. 40 Amp DP (10 KA) MCB with 25 A DP MCCB (100 MA)				
	<b>Outgoing:-</b>				
	6 Nos.6/10/16/25Amp (10 KA) SP MCB				
<b>PART (D) SUB TOTAL</b>					
<b>E</b>	<b>(LIGHT FITTINGS &amp; ACCESSORIES)</b>				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixtures should be covered with minimum 3 Years onsite replacement warranty). <b>Items should be executed after approval from Bank/ Architect.</b>				
i	LED 18 W tube 4'-0" As specified in tender document or approved by Bank/Architect.	Nos.	15		
ii	Supply, Installation, testing and commissioning of 2'X2' Recessed type LED LIGHT FITTINGS of 33-36 W with minimum lumen level of 3900 lumens, CRCA / Extruded aluminium housing, efficiency of 120 lumens per watt and & Average life not less than 50000 hrs. The light should be hanged/supported by MS chain from ceiling directly and not be kept directly on false ceiling frame. Cutting of ceiling, framing etc. be included in the costs. Standard warranty of light fittings shall be minimum 5 years.	Nos.	130		
iii	Supply, Installation, testing and commissioning of 2'X4' Recessed type LED LIGHT FITTINGS of 36-40 W with minimum lumen level of 5500 lumens, CRCA / Extruded aluminium housing, efficiency of 120 lumens per watt and & Average life not less than 50000 hrs. The light should be hanged/supported by MS chain from ceiling directly and not be kept directly on false ceiling frame. Cutting of ceiling, framing etc. be included in the costs. Standard warranty of light fittings shall be minimum 5 years.	Nos.	2		
iii	Supply, Installation, testing and commissioning of suspended / hanged LED LIGHT FITTINGS size 8'-0" long with minimum lumen level of 5500 lumens, CRCA / Extruded aluminium housing, efficiency of 120 lumens per watt and & Average life not less than 50000 hrs. with following specification :- <ul style="list-style-type: none"> <li>• Superior efficacy of 120 lm/W, Suitable for Standalone &amp; Continuous Mounting</li> <li>• Up-Down lighting distribution &amp; Uniform &amp; volumetric light distribution</li> <li>• Comfortable Light - CRI of 80 to ensure better color rendering &amp; Minimum Bezel and height (33 mm for Down/ 45 Up-Down)</li> <li>• Flexibility with NI Driver Options – Easy serviceability &amp; CRI90/R9&lt;gt;50 options, Indirect Lighting component, SDCM &lt;lt;/&gt; 3</li> <li>• Higher efficacy helps to earn points of WELL &amp; LEED &amp; Lifetime: 50,000 Hrs. @ Ta45°C, BIS Approbation - Safe and Reliable performance &amp; THD&lt;lt;/&gt;10% - Higher power factor, lower peak currents, and higher efficiency.</li> <li>• Flicker Free Lighting Effects - New light platform and optical design with ripple &lt;lt;/&gt; 5% &amp; Lighting solution with high uniformity provides comfort in office lighting experience &amp; Connected ready(Dali/interact) versions available for Smart offices/workspaces</li> <li>• Multiple Lumen Multiple Lumen Packs &amp; CCT - For different office applications and mounting heights.</li> </ul> Standard warranty of light fittings shall be minimum 5 years. Make and Model name- Flat Line Philips Lights or eq Regent Lights or eq Havells	Nos.	8		
iv	Supplying, fixing, testing and commissioning of 12 W LED commercial type down lighter of make As specified in tender document or approved by Architect.	Nos.	45		
v	LED Strip for cove lighting 12 W per 5 M with driver and necessary installation fittings Led strip light (5 mtr.) make as specified in tender document or approved by Bank/Architect.	Nos.	350		

vi	Supply, installation, testing and commissioning of following fans with all fixing materials like white Polycarbonate 2 mm Hylem sheet cover, down rods, fan box as required etc. all complete as per the directions of Engineer-in-charge.				
a	Wall mounted fans 450 mm dia. With metal body & blades along with 100 % copper binding motors make As specified in tender document or approved by concerned office in charge.	Nos.	66		
b	Supply & fixing of 230 mm exhaust fan "Ventilair DX W" with self-closing louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by concerned office in charge.	Nos.	12		
c	Ceiling Fan- Supply, Erecting, and testing of approved/specified make ceiling fans complete with down rod, canopy, blades and Electronic speed regulator 230-250 volts including connection with all necessary materials as required. Make- Usha/ Havells/Crompton	Nos.	4		
d	Supply, instalation, testing & Commissioning of 8(2X4) modules brushed brass/copper colour pop-up boxes.(Make-Legrand, model No.-0540 18)(All switch socket, DATA outlet, telephone etc are considered separately)	Nos.	10		
e	Pendant luminaire Slash S Light fixture and size 8'-0" long with HE-High Efficiency LED (Light Emitting Diode) system power: 22W luminous flux of luminaire 2640 lm, SDCM<3, R9 Value ≥0, colour temperature of 4000K, CRI >80, 230V constant current driver, 70% of luminous flux after 50,000 operating hours, energy efficient LEDs with high CRI, direct light emission, luminaire profile Anodized Aluminium, Prismatic diffuser for a homogenous light distribution, UGR <22, ZHLS(ZERO HALOGEN LOW SMOKE) internal wiring, Electronic Control Gear, sliding fixing wire suspension Protection class I, IP40, T.H.D ≤ 10%, driver efficiency ≥ 88%, surge protection of 2.5kV, L = 1175 mm B = 52 mm H = 74 mm Regent Cat No: LED0561-SLASH S-22w Equivalent to Philips or Lighting Technology approved by Bank/Architect. Standard warranty of light fittings shall be minimum 5 years.	Nos.	4		
		<b>PART (E) SUB TOTAL</b>			
<b>F. EARTHING SYSTEM</b>					
1	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper bonded rod of 10 feet length, 23 mm dia. (Minimum copper bonding shall be 0.25mm) along with Rod-to Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	4		
2	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper bonded rod of 10 feet length, 17.2 mm dia. (Minimum copper bonding shall be 0.25 mm) along with Rod-to-Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	4		
3	Providing and fixing of Copper/ GI strips in surface or in recess for loop earthing etc. as required.				
i	25 mm x 3 mm copper strip in B-class GI pipe	RM	50		
ii	25 mm x 5 mm GI strip	RM	50		
iii	Providing and fixing 2 X 6mm Cu earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface/ recess cable as required.	RM	250		
		<b>PART (F) SUB TOTAL</b>			
<b>G. MAIN PANEL AND METER BOARD</b>					
	Design, Manufacturing, Supply, Receiving, Unloading, Shifting, installation, testing & commissioning of cubicle type totally enclosed free standing type moisture, dust and vermin proof Floor Distribution Panel made out of 2.0 mm thick & front cover 1.6 mm thick CRCA sheet complete with following equipments, including digital ammeter with inbuilt ammeter selector switch, digital voltmeter with inbuilt voltmeter selector switch, indicating lamps, CT's, internal wiring with suitable size wires / cable, interconnection, painting complete as per specification & drawing. All the incoming and outgoing MCCB shall have 25KA lcs. All the MCCB up to 250 Amp shall have thermal release with adjustable overload and short circuit protection and above shall have microprocessor release with adjustable overload, short circuit & earthfault protection.				
<b>LIGHT POWER &amp; AC PANEL</b>					
<b>INCOMING</b>					
1 No. 500 Amp FP Moulded Case Circuit Breaker.					
1 No. 0 to 500 Volt digital voltmeter with inbuilt selector switch.					
1 No. 500 Amp digital ammeter with inbuilt selector switch and CT's.					
1 Set of phase indicating lamps with Single Pole MCB.					
1 Set of ON / OFF indicating lamps with Single Pole MCB.					
1 Set of KWH Meter with 3nos CT's.					

	<b>BUS BARS</b>				
	600 Amp TPN aluminium busbar.				
	<b>OUTGOING</b>				
	07 Nos 100A TP+N Moulded Case Circuit Breaker.				
	1 Nos 160A TP+N Moulded Case Circuit Breaker.				
	1 Lot of control / power wiring.				
	Panel described as above	Set	1		
	<b>LIGHT POWER &amp; AC PANEL</b>				
	<b>INCOMING</b>				
	1 No. 100 Amp FP Moulded Case Circuit Breaker.				
	1 No. 0 to 500 Volt digital voltmeter with inbuilt selector switch.				
	1 No. 100 Amp digital ammeter with inbuilt selector switch and CT's.				
	1 Set of phase indicating lamps with Single Pole MCB.				
	1 Set of ON / OFF indicating lamps with Single Pole MCB.				
	1 Set of KWH Meter with 3nos CT's.				
	<b>BUS BARS</b>				
	150 Amp TPN aluminium busbar.				
	<b>OUTGOING</b>				
	04 Nos 63A TPN Miniature Circuit Breaker.				
	03 Nos 40A TPN Miniature Circuit Breaker.				
	02 Nos 25A DP Miniature Circuit Breaker.				
	1 Lot of control / power wiring.				
	Panel described as above	Set	4		
	<b>PART (G) SUB TOTAL</b>				
<b>I</b>	<b>OUTDOOR TYPE GLOW SIGN BOARD WIRING</b>				
a.	Supply laying of Main line with 2x2.5 + 1x 1.5 Sq.mm through MS conduit from main panel	Mtr.	75		
b.	To Glow Sign Board				
	Supply installation of 16 Amp. DP MCB at main entrance Glow sign Board with Timer of reputed make- Samsung	Nos.	2		
	<b>PART (I) SUB TOTAL</b>				
<b>J</b>	<b>PUBLIC ADDRESS SYSTEM</b>				
	SITC of EN54-16 compliant IP Based Digital Public Address & Voice Alarm system. The selected system devices like controllers and Paging Microphones, should use the TCP/IP technologies and build on the standard network platform to ensure expandability. The individual systems should be able to play 4 simultaneous audio messages and also be able to be networked over IP such that the PA systems in all 10 towers work seamlessly.				
	SITC of 8 zone IP based, digital Voice Alarm controller expandable upto 128 zones. The voice alarm controller should be able to connect directly over Ethernet. It should have functions like the audio playing, zone control, fault monitoring, log recording, volume control and amplifier switchover. The Voice alarm controller should also have the following functions: . 255 Priorities . Time schedule broadcasts . Its own PTT microphone . Capable of amplifier redundancy . 8 trigger inputs/outputs Approved Makes : Bosch Praesedio / Honeywell - X618/ Ateis - IDA	Set	1		
	SITC of 4x500W Class-D Amplifier with 4 independent channels and can provide automatic re-settable overcurrent, overload, overheating, overvoltage, under-voltage and DC protection. Approved Makes : Bosch Praesedio / Honeywell - X618/ Ateis - IDA	Set	1		
	SITC of 6W Wall / ceiling mount of 96dB . Frequency response of 160Hz-20KHz. The speaker should have	Set	25		
	Supply, Installation, Testing & Commissioning of 12 Volume Controller for all the closed areas.	Nos.	20		
	Wiring for PA system with the following sizes of PVC insulated copper conductor twisted cables in existing surface/recessed M.S. conduit etc. as complete as required.				
	2 x 1.5 sq.mm twin twisted PVC wire (30/0.25mm)	Meter	250		
	<b>PART (J) SUB TOTAL</b>				
	<b>GROSS SUB TOTAL (PART A + PART B + PART C + PART D + PART E + PART F + PART G + PART H + PART I</b>				
	<b>GST EXTRA</b>				

AREA STATEMENT	
G.M FLOOR	NOS.
G.M (ZONAL OFFICE) + RESTROOM + TOILET	01
D.G.M	02
WAITING AREA (112.0SQ.FT.)	
RECORD ROOM	
TOTAL	03 PERSONS

TOILET = 9.48SQ.M./ 104.94SQ.FT.  
TOTAL CARPET AREA = 164.00SQ.M./1765.30SQ.FT.



## Interior layout plan option-01

AREA STATEMENT	
AGRI GENRAL ADVANCE	NOS.
DIVISIONAL MANAGER 01 WORKSTAION	01 08
(MSME, RETAIL, LOAN )	
DIVISIONAL MANAGER 02 WORKSTAION	01 07
(RESOURCES)	
DIVISIONAL MANAGER 03 WORKSTAION	01 06
(RECOVERY, RISK MANAGEMENT)	
DIVISIONAL MANAGER 04 WORKSTAION	01 07
TOTAL	32PERSONS

TOILET = 11.74SQ.M./ 126.37SQ.FT.  
OFFICE CARPET AREA = 162.37SQ.M./1747.75SQ.FT.

4'-6" LOW HEIGHT PARTITION

8'-6" FULL HEIGHT PARTITION

TOTAL CARPET AREA = 3513.05SQ.FT.

PROJECT :  
INTERIOR FURNISHING WORKS OF CANARA  
BANK CIRCLE OFFICE, KARNAL (H.R)

CLIENT NAME & ADDRESS :



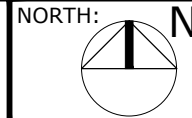
Circle office, Baysite 17-18, sec-12,  
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e,ail:- pecokar@canarabank.com

CONSULTANTS NAME & ADDRESS :

**VaASTU Vikalp**  
Architects

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Garh Road, Meerut- 250002  
Ph:9899328602, 9997591118,  
vva.global@gmail.com

ARCHITECT:  
Ar. Rahul Chaudhary



DRAWING TITLE :  
PROPOSED INTERIOR LAYOUT PLAN

SHEET No  
1  
1

DEALT :  
Ar. Rahul Chaudhary

CHECKED :  
Ar. Manoj Kumar

SCALE :  
1:75

DATE :  
26Sep'2023

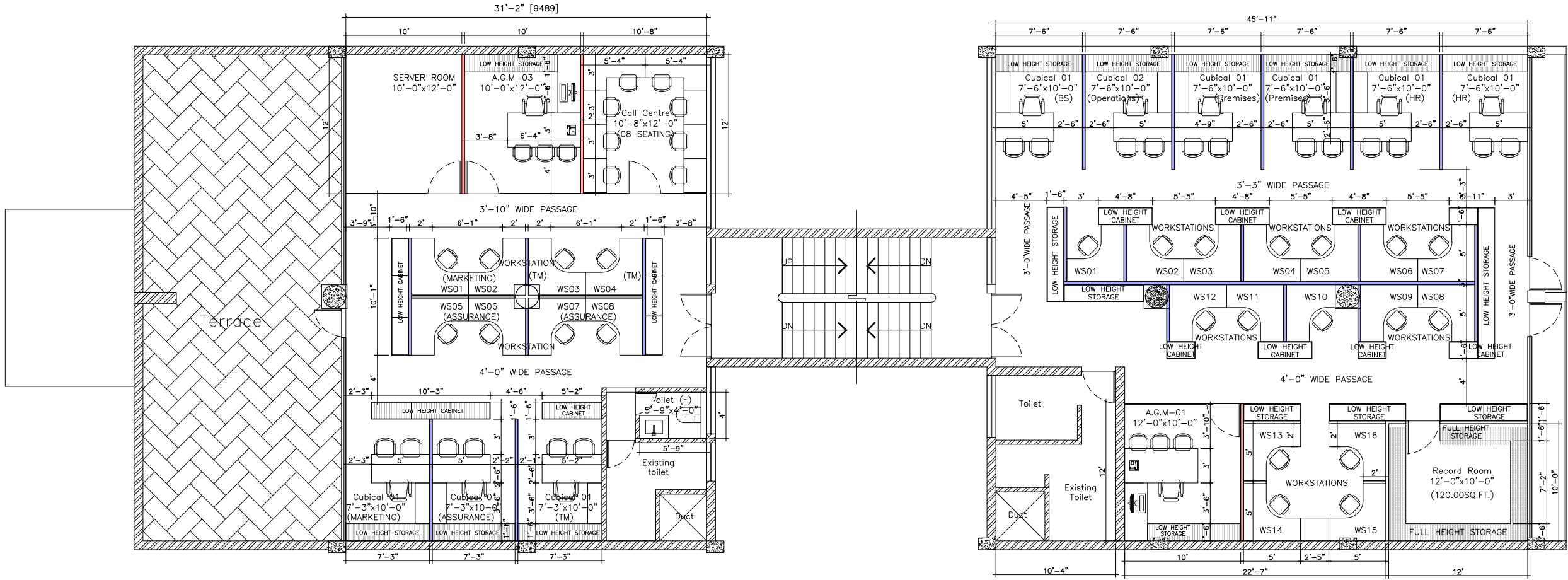
DRAWING NO. :  
VVA/BANK/CNR/CO-10.2

OPTION/ REVISION  
R-2



AREA STATEMENT	
AGM 02 & 03	NOS.
AGM	02
MARKETING CUBICAL	01
WORKSTAION	02
ASSURANCE CUBICAL	01
WORKSTATION	04
T.M CUBICAL	01
WORKSTATION	02
CALL CENTRE WORKSTATION	08
TOTAL	21 PERSONS

TOILET = 8.28SQ.M./ 89.14SQ.FT.  
TOTAL CARPET AREA = 109.775SQ.M./1181.62SQ.FT.



2nd Floor interior layout plan

AREA STATEMENT	
AGM 01	NOS.
AGM	01
PREMISES CUBICAL	02
WORKSTAION	06
HR CUBICAL	02
WORKSTATION	04
OPERATIONS CUBICAL	01
WORKSTATION	04
BS CUBICAL	01
WORKSTATION	02
RECORD ROOM (226.05SQ.FT.)	
TOTAL	23PERSONS

TOILET = 11.74SQ.M./ 126.37SQ.FT.  
OFFICE CARPET AREA = 162.41SQ.M./1748.18SQ.FT.

4'-6" LOW HEIGHT PARTITION

8'-6" FULL HEIGHT PARTITION

TOTAL CARPET AREA = 2929.80SQ.FT.

PROJECT :  
INTERIOR FURNISHING WORKS OF CANARA  
BANK CIRCLE OFFICE, KARNAL (H.R)

CLIENT NAME & ADDRESS :



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CONSULTANTS NAME & ADDRESS :



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vva.global@gmail.com

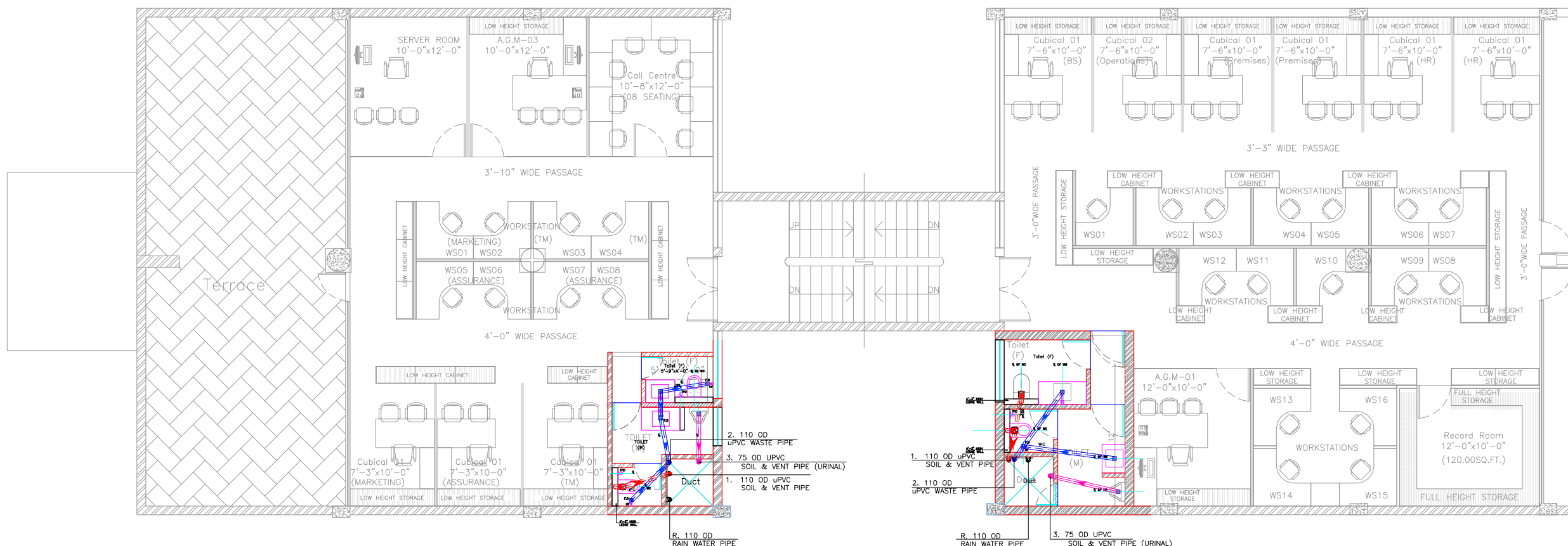
ARCHITECT: NORTH: N  
Ar. Rahul Chaudhary

DRAWING TITLE : SHEET No  
PROPOSED INTERIOR LAYOUT PLAN 1  
1

DEALT : CHECKED :  
Ar. Rahul Chaudhary Ar. Manoj Kumar

SCALE : DATE :  
1:75 06Oct'2023

DRAWING NO. : OPTION/ REVISION  
VVA/BANK/CNR/CO-10.1 R-3



LEGEND:-		
1.	110 OD uPVC SOIL PIPE	①
2.	110 OD uPVC WASTE PIPE	②
R.	110OD RAIN WATER SUPPLY PIPE	①
3.	32ø CPVC DOMESTIC WATER PIPE	⑤
4.	32ø CPVC DOMESTIC WATER RISER PIPE TO OVER HEAD TANK	⑥
5.	FLOW DIRECTION	➔
6.	BALL VALVE	⊗
7.	FLOOR S,TRAP	FT ⊗
8.	FLOOR DRAIN	FD ⊗
9.	FLOOR CLEAN OUT PLUG	FCO ⊗
10.	URINAL TARP	UT ⊗
DETAIL OF PIPE CONNECTIONS		
FROM WC TO STACK.....110 OD uPVC SOIL PIPE		
FROM FT TO STACK.....110 OD uPVC WASTE PIPE		
FROM FD TO FT.....63 OD PVC WASTE PIPE		
FROM WB WASTE TO FT.....40 OD PVC WASTE PIPE		

1.	SEWERAGE PIPE LINE	—
2.	STORM WATER PIPE LINE	- - -
3.	WASTE WATER PIPE LINE	—
4.	WATER TANK PIPE LINE	—
5.	SUBMERSIBLE PIPE LINE	—

## 2nd Floor plumbing layout plan

### for tender drawing

#### PROJECT :

INTERIOR FURNISHING WORKS OF CANARA BANK CIRCLE OFFICE, KARNAL (H.R)

#### CLIENT NAME & ADDRESS :



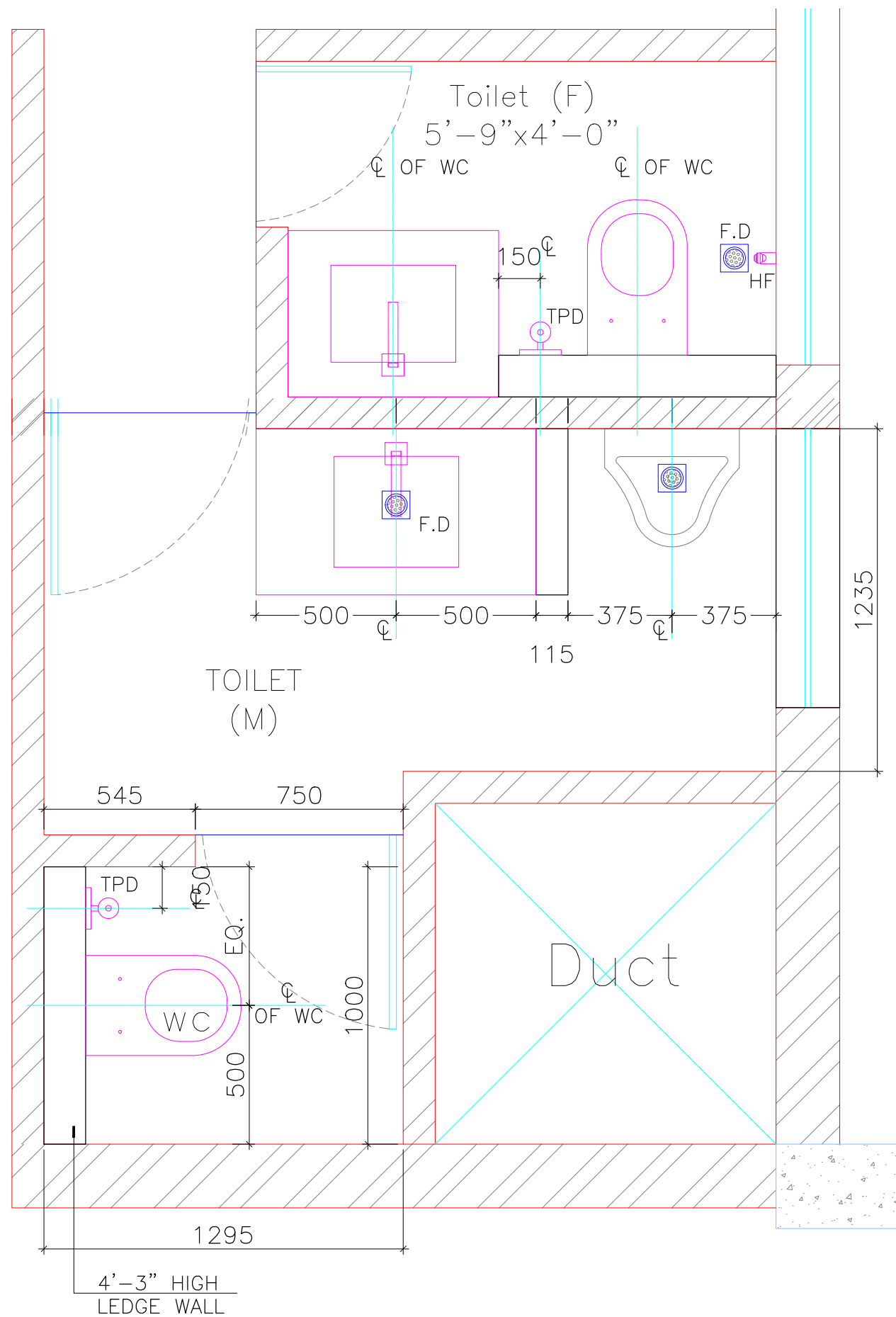
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ARCHITECT:	NORTH: N
Ar. Rahul Chaudhary	
DRAWING TITLE : PROPOSED 2ND FLOOR PLUMBING LAYOUT PLAN	SHEET No 1 1
DEALT : Ar. Rahul Chaudhary	CHECKED : Ar. Manoj Kumar
SCALE : 1:75	DATE : 18Nov'2023
DRAWING NO. : WA/BANK/CNR/CO/PL/6.1	OPTION/ REVISION R-0



for tender drawing

PROJECT :

INTERIOR FURNISHING WORKS OF CANARA BANK CIRCLE OFFICE, KARNAL (H.R)

CLIENT NAME & ADDRESS :



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CONSULTANTS NAME & ADDRESS :



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vva.global@gmail.com

ARCHITECT:

Ar. Rahul Chaudhary

NORTH:



DRAWING TITLE :  
2nd floor plumbing - left side toilet part layout plan

SHEET No  
1  
1

DEALT :  
Ar. Rahul Chaudhary

CHECKED :  
Ar. Manoj Kumar

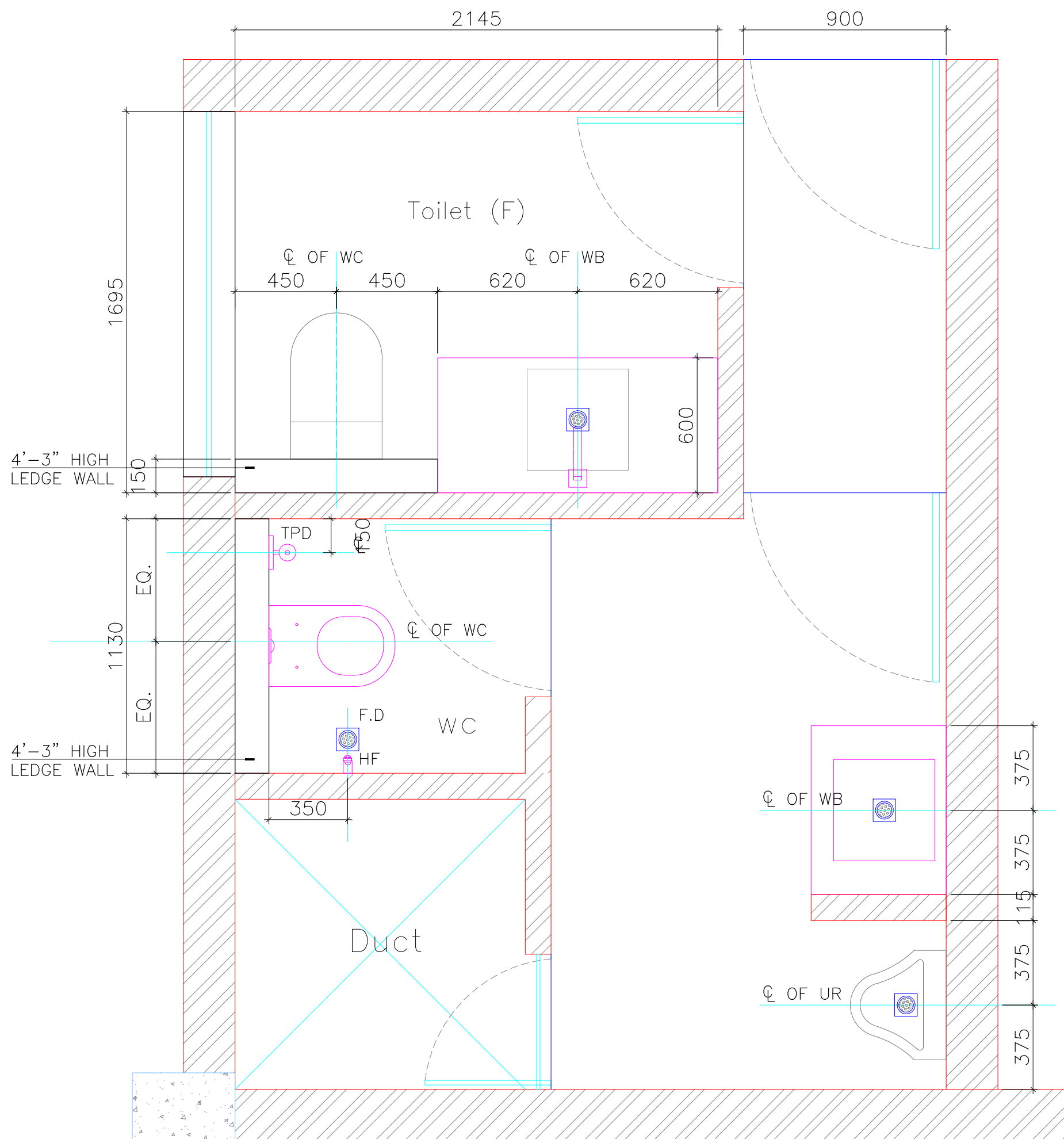
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DATE :  
18Nov'2023

DRAWING NO. :  
WA/BANK/CNR/CO/PL/6.5

OPTION/ REVISION  
R-0





1st & 2nd Floor plumbing - right side toilet part layout plan

## for tender drawing

### PROJECT :

INTERIOR FURNISHING WORKS OF CANARA BANK CIRCLE OFFICE, KARNAL (H.R)

### CLIENT NAME & ADDRESS :



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### CONSULTANTS NAME & ADDRESS :



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Ph:9899328602, 9997591118,  
vva.global@gmail.com

### ARCHITECT:

Ar. Rahul Chaudhary

### NORTH:



### DRAWING TITLE :

1st & 2nd Floor plumbing - right side toilet part layout plan

### SHEET No

1/1

### DEALT :

Ar. Rahul Chaudhary

### CHECKED :

Ar. Manoj Kumar

### SCALE :

1:75

### DATE :

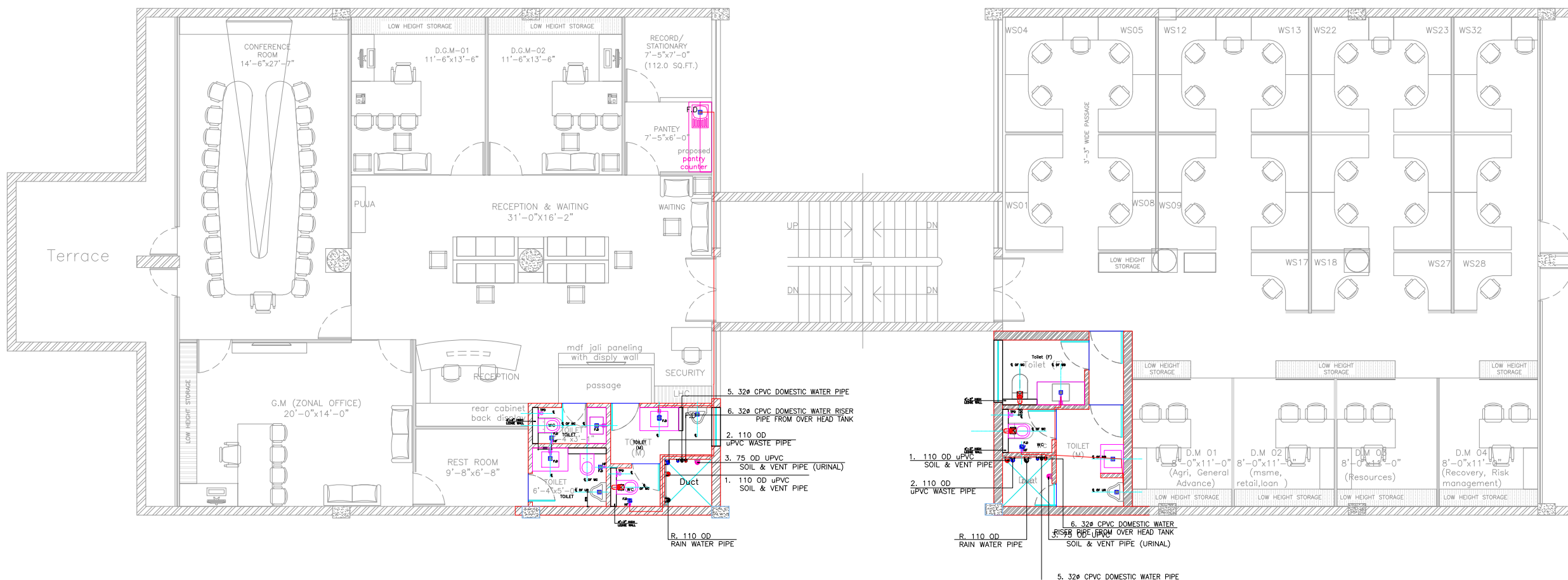
18Nov'2023

### DRAWING NO. :

VVA/BANK/CNR/CO/PL/6.6

### OPTION/ REVISION

R-0



LEGEND:-		
1.	110 OD uPVC SOIL PIPE	①
2.	110 OD uPVC WASTE PIPE	②
R.	110OD RAIN WATER SUPPLY PIPE	①
3.	32ø CPVC DOMESTIC WATER PIPE	⑤
4.	32ø CPVC DOMESTIC WATER RISER PIPE TO OVER HEAD TANK	⑥
5.	FLOW DIRECTION	➔
6.	BALL VALVE	⊗
7.	FLOOR S,TRAP	FT ⊗
8.	FLOOR DRAIN	FD ⊗
9.	FLOOR CLEAN OUT PLUG	FCO ⊗
10.	URINAL TARP	UT ⊗
DETAIL OF PIPE CONNECTIONS		
FROM WC TO STACK.....110 OD uPVC SOIL PIPE		
FROM FT TO STACK.....110 OD uPVC WASTE PIPE		
FROM FD TO FT.....63 OD PVC WASTE PIPE		
FROM WB WASTE TO FT.....40 OD PVC WASTE PIPE		

1.	SEWERAGE PIPE LINE	—
2.	STORM WATER PIPE LINE	---
3.	WASTE WATER PIPE LINE	—
4.	WATER TANK PIPE LINE	—
5.	SUBMERSIBLE PIPE LINE	—

# 1st Floor water supply layout plan

## for tender drawing

PROJECT :  
INTERIOR FURNISHING WORKS OF CANARA BANK CIRCLE OFFICE, KARNAL (H.R)

CLIENT NAME & ADDRESS :

केनरा बैंक

Canara Bank

सिंडिकेट Syndicate

Together We Can

Circle office, Baysite 17-18, sec-12, karnal- 132001,  
Mob:- 90100-75111  
e,ail:- pecokar@canarabank.com

CONSULTANTS NAME & ADDRESS :

VaASTU Vikalp

Architects

Sh-24, First Floor, S2S Square, Garh Road, Meerut- 250002  
Ph:9899328602, 9997591118,  
vva.global@gmail.com

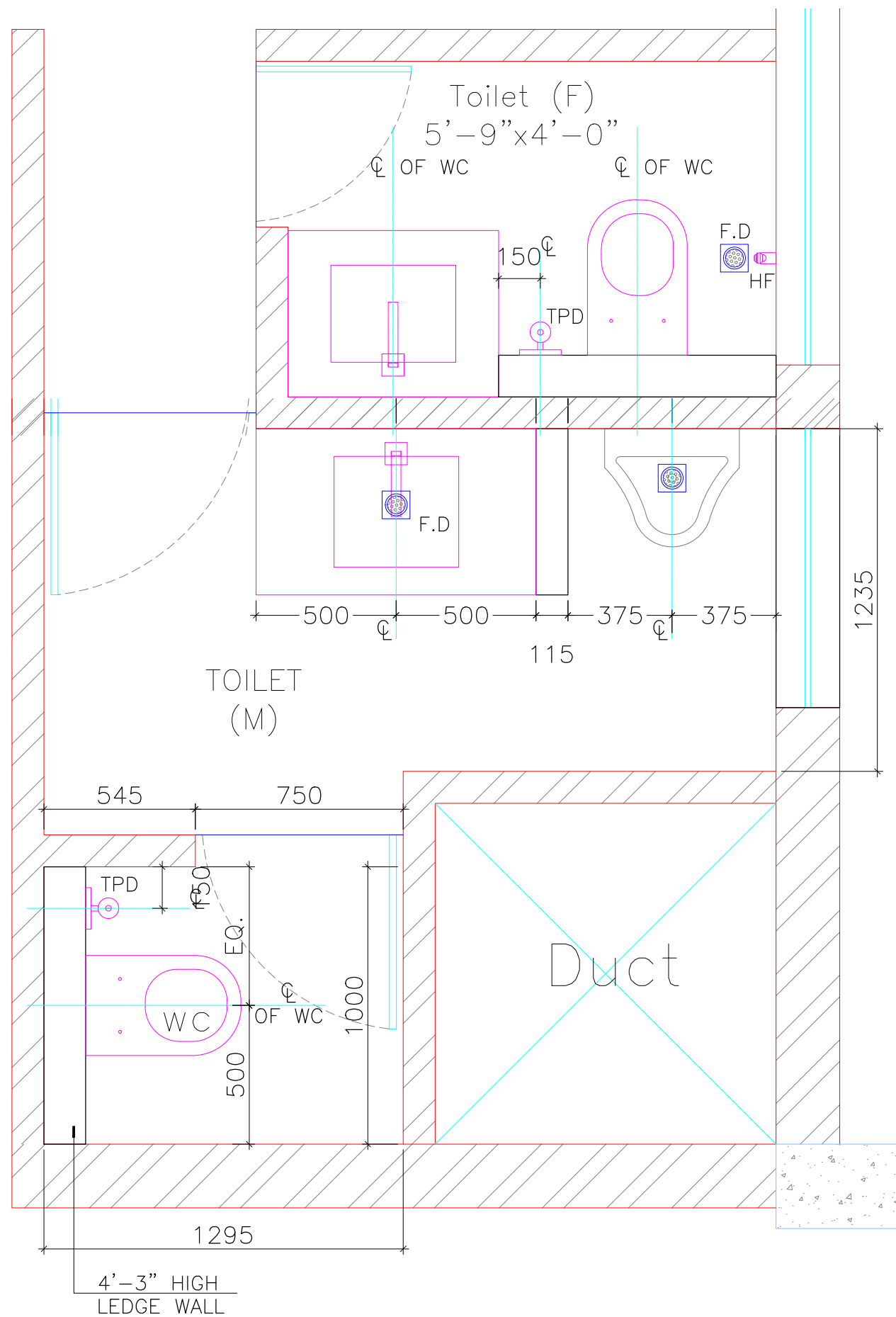
ARCHITECT: NORTH: N

Ar. Rahul Chaudhary

DRAWING TITLE : SHEET No

1st Floor water supply layout plan 1

DEALT : Ar. Rahul Chaudhary	CHECKED : Ar. Manoj Kumar
SCALE : 1:75	DATE : 18Nov'2023
DRAWING NO. : WA/BANK/CNR/CO/PL/6.4	OPTION/ REVISION R-0



for tender drawing

PROJECT :

INTERIOR FURNISHING WORKS OF CANARA BANK CIRCLE OFFICE, KARNAL (H.R)

CLIENT NAME & ADDRESS :



Circle office, Baysite 17-18, sec-12, karnal- 132001,  
Mob:- 90100-75111  
e,ail:- pecokar@canarabank.com

CONSULTANTS NAME & ADDRESS :



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Ph:9899328602, 9997591118,  
vva.global@gmail.com

ARCHITECT:

Ar. Rahul Chaudhary

NORTH:



DRAWING TITLE :  
2nd floor plumbing - left side toilet part layout plan

SHEET No  
1  
1

DEALT :  
Ar. Rahul Chaudhary

CHECKED :  
Ar. Manoj Kumar

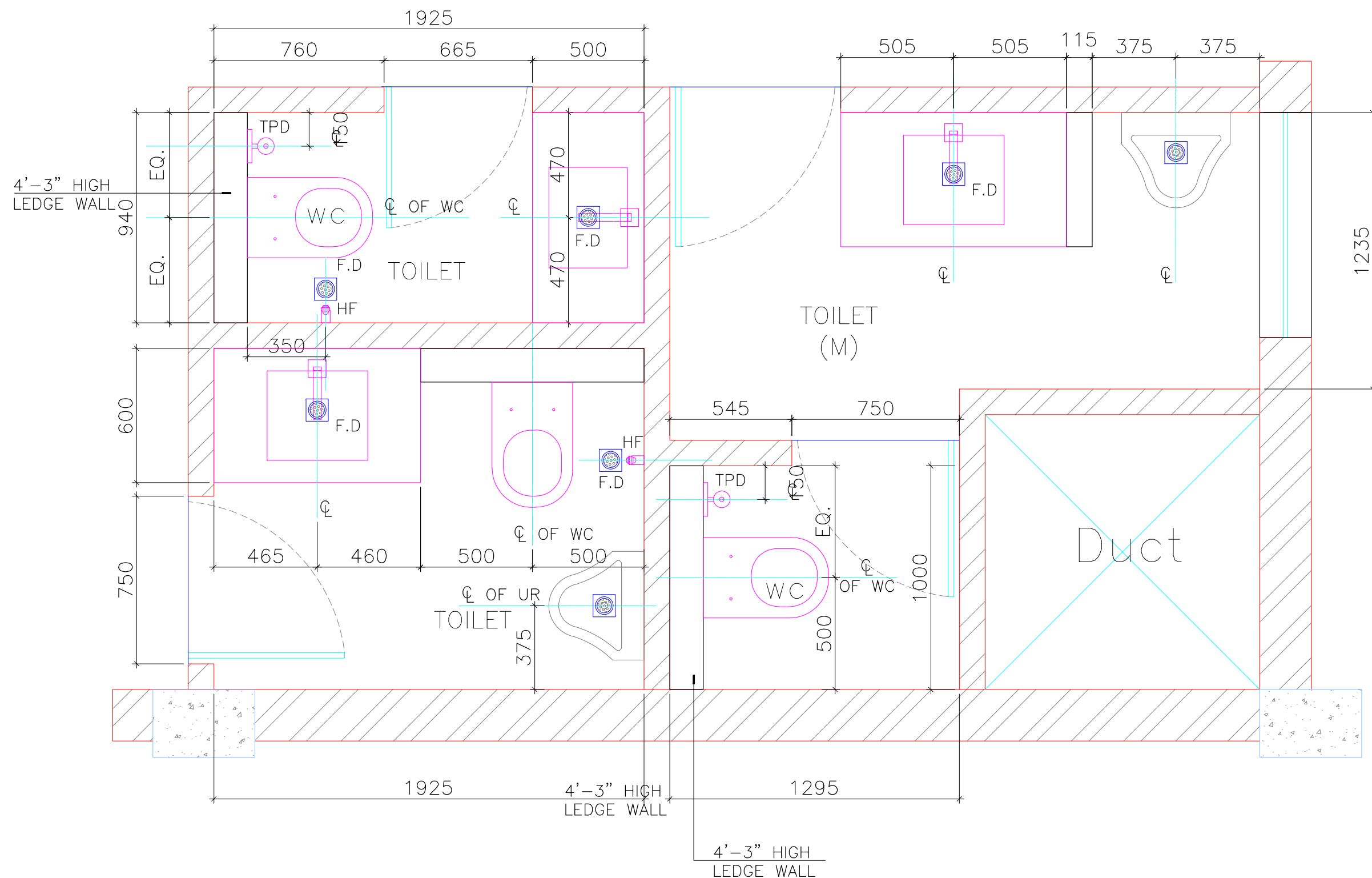
SCALE :  
1:75

DATE :  
18Nov'2023

DRAWING NO. :  
WA/BANK/CNR/CO/PL/6.5

OPTION/ REVISION  
R-0

2nd floor plumbing - left side toilet part layout plan



1st floor plumbing - left side toilet part layout plan

## for tender drawing

### PROJECT :

INTERIOR FURNISHING WORKS OF CANARA BANK CIRCLE OFFICE, KARNAL (H.R)

### CLIENT NAME & ADDRESS :



Circle office, Baysite 17-18, sec-12, karnal- 132001,  
Mob:- 90100-75111  
e,ail:- pecokar@canarabank.com

### CONSULTANTS NAME & ADDRESS :

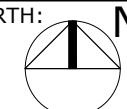


Sh-24, First Floor, S2S Square, Garh Road, Meerut- 250002  
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vva.global@gmail.com

### ARCHITECT:

Ar. Rahul Chaudhary

### NORTH:



### DRAWING TITLE :

1st floor plumbing - left side toilet part layout plan

### SHEET No

1

### DEALT :

Ar. Rahul Chaudhary

### CHECKED :

Ar. Manoj Kumar

### SCALE :

1:75

### DATE :

18Nov'2023

### DRAWING NO. :

VVA/BANK/CNR/CO/PL/6.7

### OPTION/ REVISION

R-0