



## REGIONAL DIRECTORATE DAV INSTITUTIONS, ODISHA

Ref No- DAV/DJOY/2026 / 2226

Date: 02.02.2026

### TENDER CALL NOTICE

Sealed quotations are invited by the undersigned from the PWD/CPWD RAILWAY/MES approved Contractors for Construction of Basement +2 Steriod School Building at Saranga, Puri, Odisha. They may obtain the prescribed Quotation Form along with Architectural details, Structural details, Service utility details, technical specifications, terms and conditions (all subject to change depending on the site conditions but broadly will be the same) from the office of the undersigned on deposit of Rs.5,000/- (Rupees Five Thousand) only in shape of Bank Draft to be drawn in favour of "Regional Director, DAV Institutions, Odisha" payable at Bhubaneswar on all working days between 10.30 am to 01.30 pm from 08.02.2026 to 21.02.2026. The Tender Form can be downloaded from the Institute's website [www.davodisha.org](http://www.davodisha.org), and submitted duly filled in by the stipulated date along with a Bank Draft for Rs.5000/- towards the cost of Tender paper.

The Pre-bid meeting with the bidders will be held on 18.02.2026 at 4.30 pm in the Office of the Regional Director, DAV Institutions, Odisha at DAV Public School, Chandrasekharpur. Any clarifications from the bidders will be explained by the representatives of the undersigned.

The bidder will have to submit an earnest money of Rs.10,00,000/- (Rupees Ten lakhs) only in shape of DD in favour of "Regional Director, DAV Institutions, Odisha" payable at Bhubaneswar along with the Quotation Form in sealed envelopes superscribed "Quotation for Construction of (Basement+2) School Building" on or before 21.02.2026 by 3.00 pm. The earnest money will be refunded to the unsuccessful bidders within a fortnight of opening of the quotations without any interest. Earnest Money of the successful bidder shall be retained as Security Money which will be returned after completion of Defect Liability Period.

The quoted rate should be inclusive all admissible taxes & GST. Income tax admissible under rules will be deducted from each bill of the selected bidder. The quotations (Technical bid) will be opened on 23.02.2026 at 3.00 pm. The bidders may remain present physically or by authorized representative during opening of the quotations.

Cont'd...Pg.02



## REGIONAL DIRECTORATE DAV INSTITUTIONS, ODISHA

Ref No-DAWRD/009

Date: \_\_\_\_\_

-2-

There should not be any overwriting or corrections in the quotations. Over writings, if any, must be signed. In case of any over writings, the amount mentioned in words shall be taken as final. The quotations received after the stipulated date & time or incomplete in any respect shall not be considered. The quotations without GST Number, Valid Contractor licence and Labour licence shall not be considered.

The undersigned does not bind himself/herself to accept the lowest quotation and reserves the right to accept the quotation in whole or in part thereof.

The undersigned reserves the right to cancel either any or all the quotation(s) without assigning any reason thereof forfeiting the amount towards the quotation form.



Regional Director

Copy to:

1. The Heads of DAV Institutions, Odisha to post the Tender notice in their school Website for information of all concerned.
2. The concerned file for record.

**Regional Directorate**  
DAV Institutions, Odisha zone  
Chandrasekharpur, Bhubaneswar-751021

**Tender Document**  
**for**  
**Establishment of Basement +2 Storied School**  
**Building**  
**At Mauza - Samanga, Dist-Puri, Odisha**

Availability of Tender Form	: <u>08.02.2025 (11.30 a.m.)</u>
Last Date of Submission	: <u>21.02.2025</u>
Contact Details	: Regional Director DAV Institutions, Odisha H-DAV Public School, Chandrasekharpur P.O. Chandrasekharpur, Bhubaneswar-751021 Odisha Phone: 0674-246023 E-mail: <a href="mailto:directorodisha@davgov.org">directorodisha@davgov.org</a> Website: <a href="http://www.davodisha.org">http://www.davodisha.org</a>



## Regional Director

### DAV Institutions, Odisha, Chandrasekharpur, Bhubaneswar

Regional Director, DAV Institutions, Odisha, Chandrasekharpur, Bhubaneswar invites sealed Tenders in Two-bid system from the FWO/CFWO/BAWAWS/MSS approved Contractors for Establishment of Secondary +2 Gender School Building at Park, Odisha which includes Civil, Plumbing, Carpentry, Finishing, Electrical, and associated works in accordance with Institute's General Conditions of Contract, Special Terms & Conditions of Contract & Particular Terms & Conditions of Contract, Standard specifications, Extent of Work, Special instructions to Bidders as appended on the subsequent page & Annexure.

<b>1. Name of work</b>	Establishment of Secondary +2 Gender School Building at Park, Odisha.
<b>2. Brief Description</b>	<p>Establishment of the school building on Square Feet Rate Contract basis in per the schedule of works, specifications, terms &amp; conditions.</p> <p>This tender pertains to the execution of works on Square Feet Rate Contract basis for the proposed school building project. The scope of work shall include the construction of the building, installation, testing, and commissioning of various services, complete in all respects. The contractor shall provide all internal services and utilities including civil, structural, electrical, plumbing, HVAC, fire fighting, and other installations.</p> <p>The contractor shall also make adequate provision for necessary external service connections, such as electricity, water supply, sewerage, and data communication interfaces up to the designated connecting points.</p> <p>However, the scope of work expressly excludes external infrastructural installations and site development works, except for the limited site development strictly within the building footprint area required for installation and operation of the proposed building. External works such as approach roads, boundary walls, site water drainage, landscaping, or other campus infrastructure shall not form part of the tender's scope.</p> <p>The work shall be executed in accordance with CPWD specifications, wherever it exists, and directions of the Engineer-in-Charge, ensuring that the building is completed as a fully functional and operational facility.</p>
<b>3. Site Address:</b>	New, Plot No - 1872/P, Khandra, Mouza - Sarwaga, Dist. - Puri.
<b>4. Time of Completion</b>	100 Calendar Days
<b>5. Contract Tender Documents/Drawings (if available)</b>	₹1000/- (Rupees One Thousand only) by demand demand Draft payable at Bhubaneswar and drawn in favor of "Regional Director, DAV Institutions, Odisha" (Tender without tender fees fee will be rejected)
<b>6. Earnest Money</b>	₹1,00,000/- (Rupees Ten Lakh only) by demand Demand Draft payable at Bhubaneswar and drawn in favor of "Regional Director, DAV Institutions, Odisha" to be submitted with the bid. (Tender without earnest money is rejected) 50% will be returned.
<b>7. Retention money</b>	10% of total certified bill amount
<b>8. Release of Retention</b>	Retention money will be released after defect liability period of (90 days) has been the date of payment of the final bill after attesting of a/c, if any, from the contractor.



2/1/2024

Bidding conditions:	
1. Availability of Tender Document	Tender form has to be downloaded from the bidder's website <a href="http://damicoeltda.org">http://damicoeltda.org</a> . Application form available at the website only needs to be used. Tender forms will be available on institute's website from 09.02.2024 11.30 a.m. till 21.02.2024 upto 3.00 p.m.
2. Date of Commencement	Either one week from the date of acceptance of work order at the site or such earlier date as instructed in take possession of the site, whichever is later.
3. Time and date of Submission of Tender	Upto 03.00 P.M. on 21.02.2024
4. Time and date of Opening of Technical Bid	At 1.00 P.M. on 23.02.2024
5. Venue of Opening Tenders	Office of the Regional Director, A-044 Public School, Channarayana (Campus -II), Hubballi near 751021.
6. Tender to be addressed and submitted to	Office of the Regional Director, A-044 Public School, Channarayana (Campus -II), Hubballi near 751021.
7. Clarification, if any, to be obtained from	Office of the Regional Director, A-044 Public School, Channarayana (Campus -II), Hubballi near 751021.
8. Validity of Tenders	6 (Six) calendar months from the last date of acceptance of Tenders.
9. Defects liability period	12 (twelve) months from the date of payment of the final bill.
10. Taxes	The rate quoted shall be inclusive of all taxes & GST.
11. Delay in submission	Delay in submission of Tender or any due to submit or any other irregularities at any stage will not be considered. The bidder will not be responsible for any damage or loss in case of postal delivery/retards through courier service.
12.	All bidders in whom any of the prescribed conditions are not fulfilled or are inconsistent may expect are liable to be rejected.
13.	The acceptance of tender will not imply liability on whom does not intend to accept the lowest or any tender and reserves the right to reject any or all the tenders received without assigning any reasons therefor.
14.	In case the date of opening of tender is a declared as a holiday, the tender will be opened on the next working day.
15.	Conditional Tenders will be summarily rejected.

**Retention money:** The retention percentage & deduction for losses & etc shall be 5% of the gross value of each contract bill. The Retention Money will be released after 12 (twelve) year of defect liability period from the date of payment of the final bill provided the contractor has satisfactorily carried out all the works and observed to all defects in accordance with the conditions of the contract, including site clearance.

Defects liability period shall be as per maintenance. It must be notified that this period is for



expense of "Labour Deficit". The LDF commences from the date of payment of the final bill for a period of 12 months.

After opening the envelope containing the offer on the stipulated conditions and opening of the proposal, no correspondence will be entertained.

Prior to signing of Financial Bill, Institute/Design Architect or Engineer, at their discretion may request the contractor/contractor's skills of the Contractors as well as obtain confidential report from the concerned agencies. The bids of tenders who do not fulfil the above criteria will not be considered. The Institute also reserves to itself the right of accepting the whole or any part of the tender and the tenderers shall be bound to perform the same at the rates quoted.

#### Pre-qualified criteria

The firm having experience of successfully completed Civil & Building Works during the last 7 years ending on 31<sup>st</sup> March, 2025.

A.	3(Ten) "similar completed work" costing not less than	OR	Rs. 5.0 Crores (Five Crores Only)
B.	2(Ten) "similar completed work" costing not less than	OR	Rs. 7.5 Crores (Ten Crores Only)
C.	1(Ten) "similar completed work" costing not less than	OR	Rs. 15.00 Crores (Fifteen Crores Only)

Minimum average turnover of the bidder shall be Rs.15.00 Crores (Fifteen Crores) during the last 3 (Three) Financial years, which has to be mandatorily submitted along with Technical Bid, Part - I.

The Tenderer should have at least min. 07 years' experience of working with nature of work as briefly described below:

1. RCC Frame Work in houses, institutions, Roof Slabs, Roof Deck including covering & plastering / kerbading etc.
2. Brick work including plastering, floor & slope works, making concrete cumulating for fit, electrical works etc.
3. Making of Doors, windows, ventilators, grills etc.
4. All types of masonry and joint construction work.
5. All types of plumbing, sanitary works in the residential, Commercial, institutional complex including supply of plumbing and sanitary material.
6. Installation, testing, commissioning of all electrical low voltage (LV) works including electrical control panel, wiring, cabling, tracking.
7. Installation of lifting and hoists, escalators, NCC's.
8. Maintenance and repair of switching facilities and lightning arrestors.
9. Fixing work at eg. tiles, masonry, granite slab etc.
10. Wall finishing including plastering, putty & painting work.
11. Installation of door, battery fancoil.
12. Roof cladding & waterproofing.
13. External development works including slope protection, development of retaining wall using precast block / concrete block facing, making concrete curbs for water supply, drainage basins etc.



"Similar completed work" means Complete return of work comprising of Civil work, Carpenter work, Plastering work, Painting work, Sanitary & Plumbing work, Furniture work, Electrical work, and other associated work.

Sealed tender shall be submitted in three separate envelopes consisting of the following:

1. Cover 1 - Part - I, Technical bid including pre qualification documents (if necessary) - 10
2. Cover 2 - Earnout Money (Deposit) (EMD)
3. Cover 3 - Part - B, Price Bid

All the above 3 (Three) sealed envelopes are to be submitted in a single covering envelope, duly signed and sealed as "Tender for Establishment of Basement +2 School Building at Part" and submitted to the address mentioned in clause - 4 here in below.

**NOTE:-**

- i) The agency will be fully responsible for correctness of all documents submitted along with the tender. False documents may lead to rejection of tender bid.
- ii) Institute does not bind itself to accept the lowest or any tender and reserves the right to accept or reject any or all tenders, either in whole or in part, without assigning any reason whatsoever.
- iii) No conditions will be purchased. Conditional offers shall be summarily rejected. Deposits, if any, will be subject to institutional jurisdiction only.
- iv) Correspondence with tenders is strictly prohibited and the tenders submitted by the contractor who insist on corresponding will be liable to rejection.
- v) For all sample should be approved in writing by the Authority/Institute.



**PART - I: TECHNICAL BID (Cover 1)**

**GENERAL - A**

**Mandatory information required for issuance of the bid  
(To be furnished on the letterhead of the bidder)**

**Important Note:**

1. Place name or trademark in capital letters.
2. Attach copies of the supporting documents.
3. Attach extra sheets with Sr. No if the space found is insufficient.
4. Applications of those agencies who do not furnish below mentioned information, will be summarily rejected.

2	a) Name of the applicant / organization b) Address of the Registered Office c) Address of office at Bhubaneswar (Name of Contact Person/Agent/Phone No. / e-mail ID)	
3	Year of establishment	
3	Type of the organization (Whether sole proprietorship, Partnership, Private Ltd. or Ltd. Co. etc.) (Include certified copies of documents as evidence)	
4	Name & qualification of the Proprietor / Partners / Directors of the Organization / Firm a) b) c) (Include certified copies of documents as evidence)	
5	Details of registration - Whether Partnership firm, Company, etc. Name of Registering Authority, Date and Registration number. (Include certified copies of documents as evidence)	
6	Whether registered with Government / Semi - Government / Municipal Authorities of any other Public Organization and if so, in which class and case when? (Include certified copies of documents as evidence)	
7	a. No. of years of experience in the field and stretch of work in any other field. b. Whether ISO certified, furnish the details.	

8	Area of business and other office than construction, Farm, and place of business.	
9	Registration of firm under Shop & Establishment Act 1948 (Include copy of the document as evidence)	
10	Address of the business office through which the proposed work of the Institute will be funded and the Name & Designation of office-in-charge.	
11	(a) Yearly turnover of the organization during last 3 years (year-wise) (Fig. turnover of last 3 years should not be less than Rs. 15.00 Crores.) and Audited balance sheet and Profit & Loss A/c (Audited for the last - 3 years)  (b) Average turnover in 2021 - 2022 2022 - 2023 2023 - 2024	
12	Name & Address of Bank (Agency certificate from a Bank to be obtained for indicating satisfactory financial stability of the organization)	1- 2- 3-
13	Recent copy of latest income tax returns certificate.	
14	Firm Seal (new & last year copy)	
15	GST Registration No. (Include GST Input Certificate)	
16	Detailed description and value of work done (Profession I) and work as per (Profession II)	
17	Company/PA/Partnership certificate, if any	
18	Other infrastructural information to be used referred for the project. List of available plants, machinery equipment etc.	Attach a separate sheet if required.



<p>20. Furnish the names of (3) responsible persons along with their designation, address, Tel. No. etc., for whose organization, you have completed the above mentioned job and who will be in a position to certify about the performance of your organization.</p>	<p>1. 2. 3.</p>
<p>20. Whether any Cost / Sub / litigation arises in contracts executed / being executed during the last 10 years. If yes, please furnish the name of the project, location, Nature of work, Contract value, work order and brief details of litigation. Give name of court, place, and status of pending litigation.</p>	<p>Attach a separate sheet if required.</p>
<p>21. Information relating to whether any litigation is pending before any Authority for adjudication of any litigation or else any litigation was dismissed off during the last ten years by an authority. If so, the details of such litigation are required to be submitted.</p>	
<p>22. Have you been ever disqualified or penalized by the Institute in past for non-fulfillment of the contractual obligations. If yes, please provide details.</p>	
<p>23. Have you been carried out any works for any DND Group of Institutions? If yes, give details.</p>	



**PROFORMA - I**  
**LIST OF PROJECTS EXECUTED BY THE ORGANISATION DURING THE**  
**LAST 7 YEARS (Minimum Value of Work done not less than 5.00 Lakhs)**

Sl. No.	Name of work/ Project with address.	Name & full postal address of the owner. Specify.	Contract Amount (₹)	Estimated time of completion (Years)	Actual time of completion (years)	Any other relevant information. Actual amount of the Project, if increased, give reasons.	Examine Clerk's certificate for satisfactory completion.
1	2	3	4	5	6	7	8

**Note:**

1. Information has to be filled as specifically in this format. Please do not write versus "As indicated in Schedule".
2. Date shall be reckoned from the date of publication of this tender.
3. For past States, the issuing authority shall not be less than an Executive Engineer.



By: *[Signature]*

**PROFORMA - 2**

**LIST OF IMPORTANT WORKS IN ISSUE**

(Minimum Value of Work Item not less than 5,000/-)

Sl. No	Name of work/ project with address.	Name & full postal address of the owner. Specify whether Govt. undertaking along with name, address and contact no. of -2 persons (Engineer or top officials of the organization)	Contract Amount (Rs.) with copy of Work Order & complete contract form project in charge.	Started date of completion (Year)	Present status of the project	Any other relevant information
1	2	3	4	5	6	7

**Note:**

1. Information has to be filled up carefully in the format. Please do not write remarks "As indicated in Booklet".
2. Date shall be reckoned from the date of publication of the Tender.
3. For certificates, the issuing authority shall not be less than an Executive in charge.



**GENERAL CONDITIONS OF CONTRACT**

1. Tenders shall remain open to acceptance by the Institute for a period of 120 days from the date of opening of Part-B of the tender which period may be extended by mutual agreement and the Institute shall not cancel or withdraw the tender during this period.
2. The tenderer must use only the forms displayed on the Institute's website to fill in the bids. Any addition/modification to the text of the tender forms made by the tenderer shall not be valid and would be liable of rejection.
3. The tender form must be filled in English only and all entries must be made by hand and written in ink. The rate and amount should be in figures and words. If any of the documents is missing or unsigned, the tender may be considered invalid by the Institute Representative at its discretion.
4. Bids should be placed both in figures and words in column provided. All amounts and alterations made while filling the tender must be checked by initials of the tenderer. Overwriting or figures is not permitted and failure to comply with either of these conditions will render the tender void at the Institute's choice. No advice or change in rate or conditions after the opening of the tender will be entertained.
5. Each of the Tender documents should be signed by the person or persons submitting the tender in token of their having acquainted themselves/ themselves with the General Conditions of Contract, General Specifications, Special Conditions etc., noted above. Any tender with any of the documents not so signed will be rejected.
6. The tender submitted on behalf of a firm shall be signed by all the partners of the firm or by a partner who has the necessary authority on behalf of the firm to enter into the proposed contract. Otherwise, the tender may be rejected by the Institute.
7. The Institute does not bind itself to accept the lowest or any tender and reserves the right to accept or reject any or all the tenders, either in whole or in part, without assigning any reasons for doing so.
8. Successful tenderers shall pay an amount (not Caravan Money Deposit) for a sum of Rs.10,00,000/- (Rupees Ten lakh only) by a demand draft to be drawn in favor of "Regional Director, GAV Institutions, Odisha" payable at Bhubaneswar. Tender not accompanied by demand money request will not be considered. The amount money deposit of successful tenderer shall be refunded after the work order is issued to selected bidder.
9. The Caravan Money Deposit of Rs.10,00,000/- paid by the successful tenderer shall be held by the Institute in security for the execution and due fulfillment of the contract. No interest shall be paid on the said deposit.
10. On receipt of intimation from the employee of the acceptance of highest tender, the successful tenderer shall be bound to implement the contract agreement within five days thereof. The successful tenderer shall sign the agreement in accordance with the draft agreement and the schedule of conditions but the written acceptance by the Institute of a tender will constitute a binding contract between Institute and the person tendering, whether such formal agreement is subsequently executed or not. The cost of necessary Manro paper for execution of the agreement shall be borne by successful tenderer.



7/10/22

11.	In addition to the Earnest Money Deposit, successful tenderer shall further deposit 1% of accepted tender value. This, Institute will keep 1% of accepted tender value as initial security deposit. Total 1% of the accepted tender value shall be kept as retention money which includes security deposit and interest retention money.
12.	All compensation or other sums of money payable by the contractor to the Employer under the terms of this contract may be deducted from his earnest money and security deposit if the amount so payable and the contractor shall, unless such deposit has become otherwise payable within ten days after such deductions, make good in cash the amount so deducted.
13.	The Contractor shall not without the written consent of the Institute, assign this Contract, and shall not without the written consent of the Institute which consent shall not be unreasonably withheld to the prejudice of the Contractor) sublet any portion of the work. Any such consent shall be given in writing, on the Contractor requesting the consent, whenever the security deposit shall stand forfeited to the Institute, without prejudice to any other remedies against the Contractor.
14.	The Contractor shall carry out all the work strictly in accordance with drawings, details and instructions of Institute's Architect & Engineer. If it is the opinion of the Institute Representative, a change has to be made in the design and with the prior approval in writing of the Institute's Representative, they desire the Contractor to carry out the same, the Contractor shall carry out the same without any extra charge.
15.	A schedule of Probable Quantities in respect of each work and specifications accompanies these General Conditions. The Schedule of Probable Quantities is liable to alterations by increase, reduction or addition at the discretion of the Institute. Each tender should contain not only the rates but also the value of each item of work entered in a separate column and all the amounts entered against various items should be totaled in order to show the aggregate value of the entire tender.
16.	The tenderer must submit for filed on his own responsibility, and at his own expense all the information which may be necessary for the purpose of making a tender and for entering into a contract and must examine the Drawings, inspect the site of the work, inquire himself with all local conditions, means of access of the work, nature of the work and all matters pertaining thereto.
17.	The rates quoted in the tender shall include all charges for clearing of site before commencement of work as after completion, water, electric connection, meters, double scaffolding, covering, hoisting, craning, planting, timbering and purchasing and water including testing, filling, founding, piling and equipment, storage sheds, working and lighting, by night as well as day including Sundays and Holidays, temporary shoring and electric supply, protection of the public and safety of adjacent roads, streets. The rates quoted shall be assumed to be for the finished work to be measured at site. The rates shall also be firm and shall not be subject to exchange variations, labour conditions, fluctuations in railway freight or any conditions whatsoever. The quoted rates shall include applicable GST and all other applicable taxes.
18.	The Contractor should note that unless otherwise stated this tender is strictly on measure but not lump sum for the complete finished job for the items of work specified in the specification and his attention is drawn to the fact that rate quoted should be correct, workable and self-sustaining. The quantities in the schedule of quantities are merely



	evaluate the total extent of work but may vary to any extent and may even be omitted thus altering the aggregate value of the Contract.
18.	Time allowed for carrying out the work as mentioned in the bid schedule shall be strictly observed by the tenderer and it shall be reduced from the tenth day after written order to commence the work to start. The work shall throughout the stipulated period of the Contract be prosecuted with all due diligence and if the Contractor fails to complete all the work within the specified period he shall be liable for any compensation of the Conditions of Contract/ work contract. The tenderer shall submit comprehensive work program & detailed work program which shall be approved by the Employer. Contractor has to pay liquidated damages against delay of the work @ 1 % per week of delay of the estimated amount shown in the tender or contract amount whichever is higher per week. Maximum liquidated damages will be 10 % of the accepted contract sum.
20.	Tenderer will be considered only from recognized & reliable contractors in trade concerned. Each tenderer shall submit with his tender a list of large works of a like nature he has executed going details as to their magnitude and cost of the preparation of work done by the Contractor in it and the time within which the work was completed.
21.	The Contractor shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing the work, whenever the cause of delay may be, including delays arising out of non-fulfillment to the work entrusted to him.
22.	The successful tenderer is bound to carry out any or all items of work necessary for the completion of the job even though such items are not included in the quantities and rates. Schedule of instructions in respect of such additional items and their quantities will be issued in writing by Institute.
23.	The successful tenderer must co-operate with the other contractors appointed by the Employer so that the work shall proceed as early with the least possible delay and to the satisfaction of the Institute.
24.	The contractor must bear in mind that all the work shall be carried out strictly in accordance with the specifications made by the Institute and also in compliance of the requirements of the local public authorities and no deviation on any account will be permitted.
25.	The tenderer shall have to pay material of the manufacturers specified in the list of material approved brand and/or manufacturer contained in the tender form.
26.	The Contractor shall strictly adhere to the rules laid down by the Housing Society for carrying out repair & renovation works in the premises. Any penalty/ fine imposed by the Society due to non-adherence of said bye-laws has to be borne by the Contractor.
27.	The contractor shall strictly comply with the provision of safety code & accident reports.
28.	U.S. Labor contracts wherever mentioned in the tender shall be the latest version of C.I. codes as on the date of opening of Tenders.
29.	The security deposit of the successful tenderer will be forfeited if he fails to comply with any of the conditions of the Contract.



17/12/2024

28	The Contractor shall submit the Bill up to of various items of work (Annexure 1) in its Bill up to date for execution of any items not mentioned in the scope of work. The rates quoted shall be considered valid till the completion of the contract.
29	Arbitration and reference of any kind whatsoever in respect of or in connection with the contract or the carrying out of the work (whether during the progress of the work or within 12 months from the date of actual completion of the work and whether before or within 12 months of determination abandonment or breach of the contract) shall be referred to going inter alia to all aspects of the matter under dispute like quantum, rates, amount claimed and the issues therein and referred by the Institute who shall state his. The Arbitrator shall have power to open up, review and rectify any Certificate, opinion, decision required in writing, save in regard to the executed matters, referred to in the preceding clause and to determine all matters in dispute which shall be submitted to arbitration and of which notice shall have been given as aforesaid. The Arbitrator shall make his award within one year (or such further extended time as may be decided by him or them) as the case may be with the consent of the parties from the date of commencing of the reference. In case during the arbitration proceedings the parties mutually settle, compromise or complete their dispute or differences, the reference to arbitrator, the reference to arbitration and the appointment of the arbitrator shall be deemed to have been revoked and the arbitration proceedings shall stand withdrawn or terminated, with effect from the date on which the parties file a joint memorandum of understanding with the Arbitrator or the Arbitration as the case may be. The submission shall be deemed to be a submission to arbitration within the meaning of the Arbitration & Conciliation Act, 1996 or any statutory modification thereof. It is agreed that the Contractor shall not delay the carrying out of the work by reason of any such matter, dispute or dispute being referred to arbitration, but shall proceed with the work with all due diligence and shall, with the decision of the Arbitrator or Arbitration as the case may be, it goes.
30	<b>CONTRACTOR TO BEHOLD HIMSELF FIT:</b>
	The contractor shall be deemed to have carefully examined the work and shall have been watching labour, the general and special conditions, the specifications, schedules and drawings and shall be deemed to have visited the site of work, to have fully informed himself regarding the local conditions and carried out his own investigations to arrive at the rates quoted in the tender. In this regard he will be given necessary information available with the department but without any guarantee about its accuracy.
	If the contractor shall have any doubt as to the meaning of any portion of the general conditions, or the special conditions or the scope of the work or the specifications and drawings or any other matter concerning the contract he shall in good time, before submitting his tender, put forth the particulars thereof and submit them to the tenderer. In writing or orally the such doubts may be clarified authoritatively in writing before tendering. Once a tender is submitted, the matter will be decided according to tender conditions in the absence of such authoritive pre-clearance.

The bidder certifies that s/he has read and understood the above instructions for the guidance of bidders.

Signature of Bidder with Seal



Pg - 25/44

**Annexure -1**

(Itemized items of Various items for materials of any items not mentioned in the scope of work)

S. No	Item	Unit	Rate
1	Excavation	Cum	
2	Sand Filling	Cum	
3	PCC (1:3:6)	Cum	
4	RCC (M-20) including shuttering & formwork	Cum	
5	Reinforcement works	kg	
6	Block Work with Fly Ash Brick or 20 Cement Mortar	Cum	
7	10mm thick Plaster in 1:2 Cement Mortar	Sq.M	

Signature of Bidder with Seal



17-11/20

### SPECIAL CONDITIONS OF THE CONTRACT

#### 1. Brief description of contract

Construction of Basement (1) store school building (with provision for future expansion) in accordance with drawings issued by the Architect Committee as per Client No - 1 - Scope of work, and drawings in per directions & instructions given to the Client (to be done including all Cost for Materials, all Cost of Manpower, Cost of Machine, Tools and Plant, Contractor's Profit and Overhead. The contract is to be read as a turn-key contract for the complete job and inclusive of all associated items & activities that are necessary for the completion of the job with out any additional payment for any work that is not included in the client scope or exclusion list.

#### 2. Details of Measurements

- a) Sub-Structure - Government 2nd floor
- b) Super Structure - Floor built up Area including site elevational projections at job level
- c) Above Roof - Floor Area of Ground, 1stfl, 2ndfl & 1st roof level floor.

#### 3. Approximate Measurable Built up Area

- a) Basement - 2385.00 Sq.M. (2387.5 Sq.Ft)
- b) Ground floor - 2800.00 Sq.M. (30128 Sq. Ft)
- c) First floor - 2940.00 Sq.M. (31671 Sq.Ft)

#### 4. Items & rates covered in schedule of rates

Schedule of rates shall be intended to include and cover for all items, tests, trials, etc., including but not limited to S.S.A., WCT APZ, for labour, all types of induction tests, transport charges, entry tax, duties, Toll Tax, stamp duties etc. including GST & labour cost.

Any Material Variation in rates and rates during the validity period or complete execution of the scope of work, like increase or decrease in taxes, duties, government levies, in the present location structure or introduction of additional taxes by the State Council / Local Authorities, shall lie in the scope of Contractor.

#### 5. Scope of Work

The Contractor hereby agrees to execute and complete the Construction of Finished Structure in ready to use condition with complete services & installed as except for those which are listed as "sewerage issues" and to do and perform all other acts and things as necessary to complete the Project in accordance with the specification and terms and conditions stipulated in the BOC Contract and Annexures attached hereto.

Contractor warrants that acquisition of material and equipment in the scope of contract will give on to the Client for approval and will be used after approval of Client.

Contractor shall be required to execute the work in coordination with the other



contractor (if any) appointed by Client and work according to the instructions of Client and matters pertaining to this Project.

The following will be in the scope of Contractor:

**A. Sub-Structure:**

1. Excavation and Shoring including Shoring and Compaction of soil (as is required).
2. Drilling & installing cast in situ piles up to required depth including of concreting work and reinforcement work.
3. Earth Filling & RCC below foundation.
4. All RCC work in pile cap, basement raft, RCC walls including scaffolding & form work, placement of Reinforcement.
5. Fly ash brick work in foundation (wherever required) etc.
6. Proper curing of all concrete work & chaularling.
7. Scaffolding around the perimeter and channel of concrete work.
8. External Plaster (wherever required).

**B. Super-Structure:**

1. All RCC framed structure work including scaffolding & form work, placement of Reinforcement etc.
2. Proper curing of all concrete work & its shoring.
3. Fly Ash brick work with 2 nos RCC bands in 25 mm / 100 mm c/c, wall with masonry / cast brick for doorframes.
4. All RCC of beam, column, chaj, slab and all structural projections.
5. Installation of Duct Pipes.
6. Internal Plaster in wall and ceiling including providing Dimpled/Flare Mesh at joint of brick work with RCC surface.
7. All stone terrace structures, GFI, GFI.
8. External Plaster.
9. Construction of RCC columns is to be erected up to required height based upon Development Length of Reinforcement (1.75 times dia) above terrace roof for future extension. The cost of which may be included in the rate of set floor and related payment shall be considered.
10. Necessary quality tests like slump test, concrete cube test, sieve analysis etc. as per direction of the Engineer-in-Charge should be conducted and reports submitted by the Contractor at his own cost to assure the quality control aspects and its costs payment shall be considered.

**C. Finishing Works:**

1. Scaffolding & Form of RCC Cols as per the detailed drawings.
2. Installation of door & windows along with all accessories.
3. Internal wall finishing work including plaster, primer & painting work as per the finishing schedule.
4. Ceiling wall finishing at all levels including primer & painting work.
5. Terrace slab water proofing & grouting.



18/3/24

- v. Fining work super-surface using vertical line, cornice, pier, gable, cover base & decorated line in specified areas including skirting, base capping in wall / kitchen work etc. as per detail drawings.
- vi. Polishing of wood work wherever provided.
- vii. Skirting & party platform wherever indicated.
- viii. Finish protection around the building as per the details.

#### d. Services installation:

- i. Provisioning all internal electrical LT works including concealed or surface including wiring to points, installation of Electrical Panel, DBs, Circuit Breakers, light power & fan fixtures etc.
- ii. Provisioning suitable number of cutting points.
- iii. Power supply provision for AC points.
- iv. Integrating the power system with power supply lines including all wires & cables.
- v. Provision for integrating the solar street lights / power backup system with main power supply system (Out of solar power installation / DG / UPS etc. shall be in client's scope).
- vi. Providing of water supply & plumbing system including overhead tank, connecting pipe from bore well / GSD, all ready made, branch distribution, controllers & valves, pump installation etc. (Out of GSD / Bore well etc. shall be in client's scope).
- vii. Providing complete drainage disposal system comprising of soil water & waste water line including all branches & down corners, manhole & inspection chambers, connection to existing mainline for final disposal etc.
- viii. Providing of sanitation ventilating / heading system including all down corners, surface drains, etc. as per detailed drawings. (Out of Aircharge Pits, shall be in client's scope).
- ix. Providing of all toilet fittings including traps, WCs, Basins, Sinks, Showers, Bidets, Wash basins / rings, toilet case holders, mirror trap etc.
- x. Complete water supply & drainage disposal system for kitchen, other work areas etc.

#### e. Finishing schedule

S. No.	Designation	Finishing	
1.	Complete fit of all fixturs	Paint Door Frames	WPC and Painted Polished steel door frame as per details.
		Windows	Painted Steel Windows (Supply)
		Room Door Leaf	Laminated MDP with PVC finish doors
		Public Area frames	WPC Door frame
		Toilet Door	Factory finished WPC door
		all Toilet Wall	Tile cladding upto 250 mm height
2.	Portals Parking Area	a. Flooring - Chippered tile over PCC, Sub base- L/S	
		b. Wall Finish - Two or More Coats of Weather coat over Primer Coat	



		<ul style="list-style-type: none"> <li>a. Ceiling - Two or More Coats Acrylic Emulsion Paints over Primer Coat</li> </ul>
6. Vitrifier	<ul style="list-style-type: none"> <li>a. Flooring - Granite in Tread, Rise and Landing</li> <li>b. Wall Finish - Two or More Coats of Weather coat over Primer Coat</li> <li>c. Ceiling - Two or More Coats Acrylic Emulsion Paints over Primer Coat</li> <li>d. Hand Rail SS 304 grade Hand Rail as per design</li> </ul>	
8. Coat Rooms / Lobbies / Lobbies	<ul style="list-style-type: none"> <li>a. Flooring - Unpolished Tile 600 x 600</li> <li>b. Wall Finish - Two or More Coats of acrylic emulsion paint over Primer Coat</li> <li>c. Ceiling - Two or More Coats Acrylic Emulsion Paints over Primer Coat</li> </ul>	
5. Lift	<ul style="list-style-type: none"> <li>a. Granite Cladding on Floor Rise &amp; Door SS</li> </ul>	
6. Reception / Conference /	<ul style="list-style-type: none"> <li>a. Flooring - Polished Tile 600 x 600</li> <li>b. Wall Finish - Two or More Coats of acrylic emulsion paint over Primer Coat</li> <li>c. Ceiling - Two or More Coats Acrylic Emulsion Paints over Primer Coat</li> </ul>	
7. Rest Area	<ul style="list-style-type: none"> <li>a. Flooring - Polished Tile</li> <li>b. Wall Finish - Two or More Coats of acrylic emulsion paint over Primer Coat</li> <li>c. Ceiling - Two or More Coats Acrylic Emulsion Paints over Primer Coat</li> <li>d. Grid Bar / Hand Rail SS 304 grade Hand Rail as per design</li> </ul>	
8. Common Toilet	<ul style="list-style-type: none"> <li>a. Flooring - Mosaic flooring with approach ramp</li> <li>b. Wall Finish - Un Polished Polished Tile 400 x 400</li> <li>c. Wall Finish - The walling upto 2250 mm Height &amp; rest Two or More Coats of acrylic emulsion over Primer Coat.</li> <li>d. Ceiling - Two or More Coats Acrylic Emulsion over Primer Coat</li> <li>e. Counter - Back with cork cover side &amp; granite top</li> </ul>	

9. List of Materials / Brands

Sl. No.	Materials	Make
1.	MPC - (As per Order Specified)	Ultratouch / ACC / HSBG / PSC or MPC cement
2.	MPC/PSI	Ultratouch Super/NUVOO
3.	White Portland Cement	Grils white, JK white
4.	Reinforcement bar / steel primary product structural steel (as per IS 1786)	Fe 415TD Tysol/440/400 / Cakra Steel with Epoxy Coating conforming to IS 12620:2003
5.	Structural	CI / Accofiber / Asian Harps
6.	Water proof cement paint	Asian Paints / Sherwin Williams Ltd / Tata Coatings



By 18/05

1.	Wall Finish	Pl / Dist
2.	Top Floor Ceiling paint	White paint / IC Akzo Nobel
3.	Weather coat	Water proof / IC Akzo Nobel
4.	Ground tile / polished tile	Granite / Granite
5.	White glazed tile	Granite / Granite
6.	Carpet	Approved make Min. 10mm Thick
7.	Chromed Tile	Min. 2mm Thick of Approved make
8.	Decor Tile	Min. 6mm Thick of Approved make
9.	Slab level fall	1/50 to 1/300 Grate level
10.	Painted Iron Windows	TATA Hyplast / Other Approved make
11.	Iron grilles	30, 216 - Size / Color
12.	UPVC door, windows, accessories	Brand / Specification
13.	Floor spring for doors	Brand / Color / Size
14.	Locks	Color
15.	Door closer	Brand / Color / Type
16.	Sheet glass for windows	Safe Glass
17.	Float glass	Safe Glass
18.	Polycarbonate sheeting	ISI / Brand
19.	Weather Door Frame	2" Heavy Soft Wood
20.	WPF Door Frame	Aluminum / Weather proof minimum Rack density of 80 kg/m <sup>2</sup>
21.	Window Doors	1" Heavy Teak Wood
22.	Fire proof, Glass Wall	Green Pyroclonite or E-Glass
23.	Flush door	Green Gold veneering or E-Glass
24.	Decorative concrete (GFR, L.G. Tile)	Marble Lam
25.	G.C.C. Sheet for roof	ASA, Indal steel
26.	Galv plate / Galv	Color / Size
27.	Water tank (gal)	Galv / Distal
28.	UPVC door	Original / Approved
29.	UPVC window	Brand
30.	Carpet fitting	Workable
31.	Slab level fall	1/50 to 1/300
32.	Electrical cable	Brand / Details
33.	Wire	Brand / Details
34.	MSB / MCCB	System / Legend / Details
35.	UPVC pipe	Approved / Details
36.	MSB Panel	Brand / Origin / Rating
37.	Switches / Plug / Power outlets	Approved / Details
38.	Light	Brand / Make / Details

For any work not specifically mentioned in this Bill, the same shall be approved from the  
 4/2/2018 / Architect, prior to commencement of execution.



### 8. Scope of Contract

- i) Providing open space for establishment of stock yard, fabrication yard, godown, office, labor hutchment and establishment of street and machinery sheds for premises including cost of daily establishment cost of such works.
- ii) Providing temporary power to site at existing power mains as monthly bill amount by the contractor.
- iii) Providing temporary water supply in existing trench main line with provision of pump by the contractor.
- iv) To execute the Work which are related to scope of work of Contractor by applying separate agencies for
  - i. Civil works
  - ii. Electrical Works including the pump & DWT
  - iii. Solar PV installation Works
  - iv. Sewer holder / hot water generator (Except all plumbing works)
  - v. High tension power / substation works.
  - vi. Installation of DG
  - vii. Drilling Borewell
  - viii. Works related to STP, WTP & LGD
  - ix. Construction of garbage collection pit & Micro-compost unit
  - x. Rain water harvesting system & Biogas pit (including terrace development & connection etc)
  - xi. Site Development beyond building footprint.
  - xii. Compound wall Works
  - xiii. Development of Internal Road & Pathways.
  - xiv. Campus & Perimeter Lighting
  - xv. Landscaping & Landscaping Works
  - xvi. Any sort of external structure shading work which provide for building facade decoration purpose.
  - xvii. Any local road works, etc. will be handled and assigned to client / owner.

### 9. Terms of Payment

- i) Payments shall be made by the Institute on achievement of following milestones (on pro-rata basis) as per Terms & Conditions of mentioned Schedule.

Mile Stone	Stage of Completion	% of Tender Value
Work started	<b>Site Preparation and Basement Works</b>	
1.3	Completion of job foundation including piling, pile cap, raft foundation, excavation, RCC, RCC works reinforcement, formwork, tying, curing and related works, complete in all respects as per drawings and specifications.	20%
1.7	Completion of basement structure including RCC walls, columns, pile, beams, slabs, waterproofing treatment, Internal Draining works, finishing, contraction and all incidental works up to basement completion level, complete.	10%



	Sub-Total (Foundation + Basement)	10%
<b>Item No. 2</b>	<b>Substructure – Ground Floor Works</b>	
1.1	Completion of RCC structural works of Ground Floor including columns, beams, slabs, staircases, lifts, chajjas, projections, reinforcement, chattring and curing, complete as per drawings and specifications.	15.0%
1.2	Completion of brick masonry, internal and external plastering including all concealed works such as electrical conduits, plumbing lines, drains and ducts for Ground Floor, complete.	10%
1.3	Completion of flooring, painting, polishing and installation of doors, windows and ventilators including fittings and fixtures for Ground Floor, complete.	15%
1.4	Completion of all services installations including electrical wiring, plumbing, sanitary, sewerage, drainage and allied services for Ground Floor, tested and commissioned, complete.	5%
	<b>Sub-Total (Ground Floor Works)</b>	<b>45%</b>
<b>Item No. 3</b>	<b>Superstructure – 1st Floor Works</b>	
2.1	Completion of RCC structural works of 1st floor including columns, beams, slabs, staircases, lifts, chajjas, projections, reinforcement, chattring and curing, complete as per drawings and specifications.	15.0%
2.2	Completion of brick masonry, internal and external plastering including all concealed works such as electrical conduits, plumbing lines, drains and ducts for 1st floor, complete.	10%
2.3	Completion of flooring, painting, polishing and installation of doors, windows and ventilators including fittings and fixtures for 1st floor, complete.	15%
2.4	Completion of all services installations including electrical wiring, plumbing, sanitary, sewerage, drainage and allied services for 1st floor, tested and commissioned, complete.	5%
	<b>Sub-Total (1st Floor Works)</b>	<b>45%</b>
	<b>TOTAL</b>	<b>100%</b>

3. Detailed schedule of payment based on the above Milestones, further substantiated by satisfactory evidence, to be worked out upon finalisation of the tender & will be a part of the final agreement.
4. The above schedule payments are indicative and actual payment are to be made proportionately to the extent of works actually executed at site after due verified joint measurement.



2. The final payment, with respect to the above payments terms shall be made after deducting stipulated retention advance and retention claims, a statement of Retained Military Advance (if any) and any other deductions to be made from the sum totaling \$0 as a final net sum.
3. All invoices shall be submitted to the military for approval and processing for release of payment.

**10. Retention Money:**

1% of the gross value of the certified work done shall be deducted from the interim and final bills certified work done value. Retention Money can be released on successful completion of Defect Liability Period, provided the Works are free from defects and the contractor has rectified all defects identified by the Project Manager/Client's representative during Defect Liability Period.

**11. Submitting Bill/ Certification:**

The Contractor shall prepare measured bills as directed by the Client (including Measurement, abstract sheet, MTC, purchase bill, deviation statement for ongoing and completed work, materials reconciliation statement and any specific instructions) which are to comply in the regard by the Client and other supporting documents (as applicable). The bills in duplicate shall be submitted to the Client along with all supporting documents. Bill amount has to be clearly mentioned in the Tax Invoice submitted along with the funding bill.

The Contractor shall submit all bills in the format approved (Form & soft copy) by the client duly supported by detailed verified Measurements (As per I/O code) / documents etc. If the bills are not submitted along with the required documents, then the last date on which submission is complete shall be considered as the date of submission of the bill. The contractor shall be entitled to receive payment proportionate to the part of work executed on submission of running account bills as per the terms mentioned in the WO / contract.

Advance of up to 70% Payment of RA, BP will be authorized by Client after preliminary scrutiny shall be released within 10 days of receiving the correct invoice (including RA, BP (including amount of tax but not limited to all certified measurement sheets, proof of all compliances, Receipts pertaining to above tax, insurance, ES, PF, etc.) after the Project Manager's / Client's approval. Such RA BP payments shall be fully recovered from the payment due against the same RA BP after final scrutiny. Balance amount shall be released after verification. For 30 days of receipt of RA BP with complete information of the Project Manager/ Client in case the Contractor fails that the certain works for which payment due has not been certified in any monthly bill, the Contractor has to notify Project manager, in writing, the said retention in the certificate when it is due. The Contractor should include the said Works in his next RA, BP.



17-23/24

**10. Completion Period**

The duration for completing the entire project will be 600 (Six Hundred) Calendar days including mobilization from the date of issue of work order / signing of agreement.

**11. Rate Item**

Rates here shall be derived from the contract contract items, whenever available; however, for the items not available in the contract the rates for Rate Item / Rate Tiered Item shall be determined on the basis of actual / theoretical consumption of materials, and actual / theoretical use of labour, plant, and machinery, as detailed below; consideration of actual or theoretical consumption shall be at sole discretion of the Project Manager / Client.

- a. Cost of materials actually used by the Contractor and for the theoretical analysis of consumption of materials at Work, at no more than prevailing market rates, actually incorporated in the work.
- b. Cost of labour actually used at the Site and for the theoretical analysis of labour utilization on the Work or prevailing labour rates.
- c. Cost for the use of any plant and machinery substantially for this item at the Site, on actual basis.
- d. 15% of the costs in respect of (a), (b) and (c) above, towards Contractor's establishment and other costs like cart hire, Power, Water & Tests/Loading etc., and overhead and profit, as item is applicable except GST & labour (the latter will be paid extra). Contractor's overheads and profit shall not be allowed on the overheads.
- e. All applicable taxes (GST) and duties (labour Cost) in respect of (a), (b), (c) & (d) above.

For this purpose, the Contractor shall submit to the Client detailed analysis of the rate assessed by the Contractor supported by relevant documents along with the estimated quantity of work item involved.

Rates for the items here shall be periodically revised prior to commencement of their work but not later than 10 days after its commencement by the Contractor. However, if work starts prior to commencement of work, the assessment rates to them shall be binding and accepted by contractor.

**12. Project milestones and Work Breakdown Schedule**

Contractor shall submit the documents in form of bar chart / PERT chart stating date of commencement and date of finish indicating defined activities, milestones. Contractor will be updating the status of the same periodically and submitting to the Client in a weekly/monthly report, as per Client demand.

**13. Validity of the Order**

Prices are firm and fixed for the entire duration of project work completion and variation and shall remain valid till completion of the project in all completion (tillable). There is no escalation of any kind applicable for the original scope over the



applicable escalation charges have already been built into the rates agreed.

**16. Defect Liability Period:**

12 (Twelve) Months after completion of rectification of all defects to the satisfaction of the Client and date of issue of (completion certified by the Client, including clearing of snag list and handover to the Client. This also includes any period extended as a result of rectification of the work/change orders, between the Completion of original scope of work and completion of any extra items/ additional Works as might be included in the scope of Works during the scope of Contract; and during which period the Contractor shall be bound to replace and/or rectify and make good all defective materials, equipment and/or installations which are in the Works or come to notice subsequent to the Completion of the Works and prior to the final Completion of the Works without requiring the Client to bear any additional charges whatsoever.

**17. Release of Drawings:**

Two copies of Working Architectural/ Structural drawings marked 'Good for Construction' and duly signed by the Architect/Consultant shall be issued by the Project Manager /Client from time to time during the contract period, based on which the contractor shall prepare 'Shop drawings', 'Bar bending schedules', etc. as required by approval of the Project Manager / Client and proceed with construction work. Working drawings are diagrams but shall be followed as closely as actual construction permits. Any deviation made shall be in conformity with the direction of the Project Manager /Client and with the prior approval of the Project Manager / Client.

1. Architectural drawings shall take precedence over Structural drawings, which in turn shall take precedence over services drawings in respect of all discrepancies.
2. The Contractor shall verify all dimensions of the Site and bring to the notice of the Project Manager / Client discrepancies if any. The Project Manager / Client's decision in this respect shall be final.

**18. Site Visits & Instruction:**

Project Manager / Client /Architect may, at his absolute discretion and from time to time, issue further drawings and/or verbal/written instructions, orders, directions & modifications, which are hereafter collectively referred to as "Site Director's/ Site Instruction" (referred to):

1. Revision or modification of the design, quality or quantity of Works as the addition or omission or substitution of any work.
2. Any discrepancy in the drawings or between the bills of quantities and/or drawings and/or specifications.
3. Removal from the Site of any materials brought forward by Contractor and the substitution of any other material, therefore.
4. Removal and/or re-erection of any work executed by Contractor.
5. Striking from the Works of any persons employed thereby.
6. Closing up the inspection of any work covered up.



15/3/22

g. Amending and making good of any defects.

Contractor shall (a) will comply with and duly execute any work stipulated in such "NOTICE OF DEFECTS RECTIFICATION" provided always that verbal instructions, directions and explanations given to contractor or his representative upon the Works by Project Manager / Client shall, if involving a variation, be confirmed in writing to the contractor from the Project Manager / Client within seven days.

The Contractor shall maintain a log directory like instructions issued at the Site office. All corrections received from the Project Manager / Client / Architect relating to the Work shall be recorded in the log with sign and date. All work performed to bring standards of work due to the changes as recorded in the rectification register, if not to be paid to the contractor, the log shall be substantiated with copies of approval recorded in the book.

26. Co-ordination of Work

At the commencement of the Work, and from time to time, the Contractor shall co-ordinate with other Contractors, Sub-Contractors, persons engaged on separate Contracts in connection with the Project, Vendors, the Project Manager, the Client and the Architect for the purpose of the co-ordination and execution of various parts / stages of the Project. The Contractor shall coordinate and ascertain from the Vendors and persons engaged on separate Contracts, in connection with the Project, the extent of all timings, timing and timing of all openings, holes, depths of all inserts, covers, etc. that are required to accommodate the various services.

The Contractor shall guarantee and warrant the receipt of all services and positions of all floor and wall openings, sockets, traps, the depth of all inserts, equipment and services and shall carry out the construction and making good of all works in accordance with and at times, specified and/or required in the Drawings, Specifications, and other Contract Documents. Also, the Contractor shall ensure that all required services, inserts, covers, embedments, etc. are in place and in place as per drawings with the Work. Should the Contractor fail to comply with these requirements and the consequence of such failure necessitates the breaking, re-doing and making good of any Work, then the cost of all such breaking, re-doing and making good of any Work shall be to the account of the Contractor and shall be borne by him. No breaking and cutting of completed Work shall be done unless specifically authorized in writing by the Project Manager / Client. No Work shall be done over broken or patched Work without first ascertaining that the broken surface is adequately prepared and workable to receive and hold further Work, as determined by the Project Manager / Client.

In order to ensure proper co-ordination is being undertaken, weekly meetings, chaired by the Project Manager / Client, will be held with the various Contractors and Architects' Consultants, at which co-ordination will be discussed and minutes of actions prepared/recorded.



**20. Documents**

All documents should be incorporated with the signed original documents i.e. The Invoice, Claims, Tax Certificates etc. All the documents and communications should have the WO reference.

**21. Transit Insurance up to the site**

Transit insurance or any other insurance as may be required for handling & delivery of supply to site shall be taken by the Contractor / Vendor and running extra shall be paid on this account.

**22. Insurance Policies**

All insurances pertaining to manufacturing/ fabrication/ transportation/ installation related to the scope of work this WO shall be borne by the vendor.

**23. Statutory Permissions**

The Contractor shall be responsible for obtaining all necessary statutory approvals or relative to the scope of work. All statutory approvals concerning execution of works (movement of men, material, vehicles and equipment etc., installation of batching plant, water/electricity demand, etc.) shall be obtained by Contractor immediately upon issue of WO and make sure that the approvals are obtained on time and prior to the scheduled start date of Client operations.

Obtaining statutory approvals wherever applicable and follow with concerned departments related to the construction activities shall be Contractor's responsibility. Contractor shall also produce all required documents as and when required by the authorities and Client for inspection and do liaising for all issues with government authorities.

**24. Liability for Defects in Material, Design and Workmanship**

Upon written request by Client, Vendor shall replace within a reasonable period any items within the supply which, before the expiry of the warranty period, are proved to be defective or unusable due to defective material, faulty design or poor workmanship, provided that Client has notified Supplier in writing of the defects during the warranty period and immediately after discovery. Client shall give Supplier sufficient opportunity to carry out such replacement work. Replaced parts shall become Vendor's property. Vendor shall bear the costs of removing the defective parts at its premises.

**25. Liability for Warranted Qualities**

The warranted qualities of the supply are only those qualities which have been expressly specified, such as in the WO such warranties are valid until the expiry of the warranty period. Evidence of the warranted qualities shall be provided in any possible circumstances. If the warranted qualities are not achieved or only partially achieved, Client may initially only require the Vendor to carry out the necessary remedial works. Client shall give Vendor the necessary time



and support only to clients. If such material works fail completely or in part, Client may do reasonable selection in price. However, the defect must major that they cannot be remedied within a reasonable time and provided the supply cannot be used for its specified purpose, or if such use is considerably impaired. Client may refuse acceptance of the defective part of the supply, if partial acceptance is economically not justifiable, in terms of the WD / Contract in such event, Vendor shall be liable for replacement of the same part to it for the parts of the supply affected by the acceptance.

#### 26. Quality

Quality and performance importance Contractor shall carry out work to highest quality meeting with international standards as approved by Client with strict compliance to all required BSI Standards Codes referring to the details as provided in the BIDD / list of materials / Specifications in case of any discrepancy referred by the Client in the work done by the vendor will be rectified / replaced immediately without any extra cost to Client.

**Technical Conformance:** The scope of work executed shall be in strict conformity with the technical Specifications specified in the WD / bills submitted and subsequent agreements between the Parties.

**Codes and Standards:** All required codes & standards detailed in the specifications are to be adhered to. The work shall be completely finished in all respects in accordance with the technical specifications in per the executive codes & standards.

#### 27. Unloading

Contractor shall be responsible for unloading, stacking, storage of client supplied material at site as per the direction and under supervision of Client. And the cost of unloading and security of both client & contractor supplied materials are included in the quoted price. Contractor will do necessary arrangement to avoid the material safety and secure storage.

#### 28. Accommodation & Material Storage

Client will provide the land for labour accommodation and the contractor will be responsible for making all arrangement in the designated land to build labour huts. Vendor will give the space for material storage / site office. Contractor shall be responsible for making it suitable and security for the same all handover. The cost of all to be borne with firm alive to place during the course of construction per the site requirement as the instruction of Client the cost for the same shall be part of the quoted rates / contract amount.

#### 29. Electricity & Water

Electricity for illumination of site, labour hutsment premises and for running of equipment and machinery for construction purposes and water for consumption of labour and for construction to be provided by Client on monthly payment basis at one point within the site provided in the contract. Contractor shall be responsible to



3-23/6

make all necessary arrangements for further distribution from the source to the work site.

If due to any reason electricity is not available, then Contractor has to provide the same for lighting & working purposes. All the consumables used should not be kept due to lack of electricity.

#### 30. SW:

Contractor shall follow the SW requirements strictly. Contractor shall be required to maintain the site and surroundings in a neat and orderly manner free from debris and unwanted material. On completion of the work, such and unwanted material to be disposed off free site on daily basis without accumulating at site and not to cause hindrance to other users of works, location and neighborhood specially interventions, as a clean road to be in place and free from the work.

Minimum PPE such as safety helmet, safety shoes / gumboots, reflective jackets should be used by every person working at site. The site must be a no smoking, no tobacco zone.

The Contractor shall at all the times carry out Works in clean and tidy manner. Contractor shall ensure all the materials properly stacked and organized. The Contractor shall keep the site free of slush and without any stagnation/ponding of water. The site shall be kept in a continuous dust control mode with the approved infrastructure of gates for dust control maintained from the start of works and roads/ high speed road at all times along with lock-up equipment, as per directions of Client. On completion of the Works, Contractor shall properly clean the Site and its surroundings.

#### 31. CAR Policy:

The Contractor shall take out Contractor's All Risk (CAR) Insurance Policy and other necessary policies in the name of the contractor beneficiary GOV Public School, Puz. The original policies shall be deposited with the Client within 10 days of execution of the Contract the policies shall cover the classes as under:

Contractor's All Risk Insurance Policy to cover the following:

31. a. The minimum value of CAR Policy shall be:
  - i. the Contract Value plus 10% of the Contract value.
31. b. Coverage of the policy should include, all risks others, force majeure or any other determinable which shall cause an impact on the project/ execution of Works.
31. c. All Plant, machinery and infrastructure owned and provided by the Contractor for the Project.
31. d. Damage Insurance against loss or damage by fire or any other disaster.
31. e. The insurance should cover cost of all materials/fuel supplied by Client.



17-2/2024

**12. Third Party Insurance Including Cross Liability:**

Third Party Insurance including Cross liability to cover for any damage to third party, to a limit of not less than P=,1,000,000 (One million Two hundred) in each accident and to a limit of not less than P=20,000,000 (Twenty Million) for all accidents. The Policy shall be valid up to the end of the Contract Liability Period, including any extensions granted and shall exclude any damage to the properties including surrounding and adjacent properties and/or injury including death to the persons of the general public and any and all interest to be third party. Provided that the limits specified above shall operate only as a specification of minimum limits for insurance purposes, but shall not in any way limit the Contractor's liability in terms of this clause to the limits specified.

Period of policy: All insurance cover mentioned above shall be kept valid during the complete period of Contract plus the contract liability period. Copies of said Insurance Policies, in form approved by the Client, shall be lodged with the Client, at Client's authorized representative prior to Contractor start of Work on site.

**13. Workmen's compensation insurance:**

Workmen's compensation insurance to the limit to which compensation may be payable under the laws of the Republic of India/Policy to cover Contractor's liability under Workmen's Compensation Act 1923, Minimum Wages Act 1948, Contract Labour Regulation and Act (How) Act 1970 and other relevant Acts/Code/Regulation in India the Contractor's liability under the applicable labour laws. This shall be for the period up to final completion of the Work. The Contractor's liability under this policy shall also include the Sub-Contractors liability under the applicable labour laws.

**14. Failure to insure:**

If the Contractor fails to comply with the terms of this clause, the Client may effect the insurance and deduct the expenses made for insurance from the amount payable to the Contractor or may, at its option, make payment of any amount payable to the Contractor and the Contractor consents with this condition.

**15. Indemnity Assurance:**

The contractor for this contract shall perpetually keep the institute indemnified against all losses, claims, action, claims, cause of action on any account whatsoever, and shall keep the contractor's works against theft, fire, riot, and terrorism and other calamity till such time the work is continuing. Workmen's compensation and third party insurance shall be made by the contractor & submitted along with every bill.

**16. Termination by Client:**

Client shall be entitled to terminate the WO with or without cause. If Client terminates the WO with Cause then Client shall be entitled to seek refund of the advance amount paid to Contractor in every month. The termination is without prejudice to any rights or claims which may have accrued to Client prior to the date of termination.



18/2/24

In the event of termination without cause, Client shall pay to the Contractor those any part of the Contractor's contribution which is accrued prior to the termination that has not been paid (including any accrued fees for services provided as reasonable expenses).

Contractor agrees that, at such time as Contractor is no longer providing services to Client in terms hereof, or at the expiration of this WC, whichever shall first occur, Contractor will deliver to Client (and will not disseminate, transmit or deliver to anyone else) any and all devices, records, data, software, notes, reports, proposals, lists, correspondence, communications, materials, statements, other documents or property, or reproductions of any of the mentioned items developed by Contractor pursuant to this WC or otherwise belonging to Client.

**17. Termination by Contractor:**

Termination by Contractor shall not be entitled to terminate the WC without cause and shall be required to give at least 30 days prior written notice (before termination).

**18. Non-Assignability:**

Contractor shall not assign its rights and obligations under this WC without the prior approval of Client.

**19. Settlement of Disputes & Arbitration:**

Decisions, directions, clarifications, measurements, drawings and certificates with respect to any matter the decision for which is specifically provided for by these or other special conditions to be given and made by the Client's Representative or by the Project Manager and matters which are referred to hereinafter as disputed matters and shall be final and binding upon the Contractor.

and shall not be set aside on account of non-observance of any formality, any omission, delay or error in proceeding in or about the contract or on any other ground or for any reason and shall be without appeal. They shall be conclusively received from the scope of arbitral or proceedings hereunder referred to.

Subject to the above said in the event of any dispute or difference between the parties hereon as to the construction or operation of this Contract, or the respective rights and liabilities of the parties on any matter in question, dispute or difference on any account or as to the withholding by the Client of any certificate to which the Contractor may claim to be entitled to or if the Client fails to make a decision within the stipulated time, then and in any such case, but except in any of the aforesaid matters referred to in the above clause, the Contractor after 30 days of its presenting the claim or the disputed matters, may demand in writing that the dispute or difference be referred to and settled by a sole arbitrator mutually acceptable to the Client and the Contractor. In the event the parties fail to appoint a mutually acceptable arbitrator, the parties shall approach the appropriate court for appointment of the sole arbitrator. The award of the Arbitrator shall be final and binding on both the parties. The provisions as per the Arbitration and Conciliation Act, 1996 shall apply to



such arbitrator. The arbitrator venue shall be at Dubuque, Iowa. The procedure for the arbitration shall be determined by the arbitrator. Costs of such arbitration will

be equally shared between the Client and the Contractor.

The Contractor shall not, except with the consent in writing of the Client, in any way delay the carrying out of the Work by means of law's matter, dispute or dispute being referred to arbitration, but shall proceed with the work with all due diligence and shall abide the decision of the arbitrator is given. Abide by the decision of the Client and in case of the arbitrator shall follow the Contractor's obligations to adhere strictly to the Client, the Client's representative's or the Project Manager's instructions with regard to the actual carrying out of the Work except as specifically offered by such award.

Contractor shall indemnify and shall keep the Client indemnified from any claim, demand, action or proceedings of any kind, against Client in respect of loss, injury or damage to property or person (including anything caused by the contractor's employees or equipment or machinery deployed) kept at site) injury or damage to property or person (Client's property, neighbor's property or person) arises out of any negligent act, error or omission by the contractor, its workers, agents or employees.

**40. Statutory Requirements (Polices & Insurance) (as applicable):**

In carrying out its obligations under this Contract, including the performance of Work, Contractor shall at all times comply with all applicable state/federal government and municipal laws, regulations, standards, and codes. Contractor shall obtain all applicable permits, licenses, authorizations, approvals and approvals required for the Contractor to manufacture and deliver the

Goods and perform the Services, at their own cost and submit the relevant documents to Client upon time to time along with the bill of material and when required by Client. The documents as per government norms such as specified below but not limited to:

1. Labor registration records
2. Employee State Insurance
3. Provision fund for workers
4. Medical / health insurance (if required)
5. Third party insurance Policy / CAG (Construction All Risk) Policy
6. Workers Compensation Policy

**41. Policy Hold by Contractor:**

The following documents shall be submitted by Contractor within 15 (fifteen) days from the date of issue of WQ/ Contract.

1. Copy of all Policies, Insurance and other applicable documents as per WQ / Contract.
2. All Chart & PERT chart before commencement of work and the progress chart during the course of work.



18-3/166

42. Notes:

All notes (drawings) or other communications required to be given or made hereunder shall be in English language, in writing and shall be sent to the representatives of respective Party by email or to be followed by courier of international register or registered post to be addressed to the intended recipient thereof at its address given in this BID or to such address as any Party may, from time to time, write to the other Party in writing.

43. Special Notes:

- a) The contractor shall take the prior approval from Institute 's Engineer/Architect for submitting the job even if the same is to a contractual agency.
- b) In case Institute 's Engineer/Architect rejects a particular work the vendor shall make the same within ten days and its payment shall be made for such work.
- c) The electrical installation works are to be carried out by engaging licensed electrical contractor. The successful tenderer shall submit the photograph of Electrical Contractor's license at the time of execution of work. The copy of license of Electrical Supervisor and electricians who are to be submitted.
- d) The contractor shall submit the single line drawing of electrical installation/working of completed work along with the final bill.
- e) The contractor shall submit the Test Certificate of the Electrical Installation carried out by him as per requirement of local Electrical supply Authority, Indian Electrical Rules, and Indian Electricity Act.
- f) Being an operational school campus, the Contractor shall ensure that there shall not be any problem, disturbance in classes/ activities/other programs as the work is to be executed in working school.
- g) The Contractor shall depulse and electrocute and use proper string office tools to avoid any electrical breakdown in electrical installation.
- h) The contractor has to carry out the job strictly as per specifications given and in the bill of quantities, the drawings, instructions that may be issued by the Engineer-in-charge and the specifications of the Bureau of Indian Standards, National Building Code etc.
- i) In case of any discrepancy between the specifications and the drawings, the details mentioned in the specifications / Bill of quantities may be taken as final.
- j) The work will be awarded to the Agency that has given the lowest rate (1-1).

Additionally, the IJ Bidder will be asked to confirm if he can do the work at the



By: 34/08

known cases quoted by L1 if the L2 gives a letter certifying that he is ready to carry out the work at the lowest rate L1, then it can be considered to award the work to L1 only. The condition of the award of work to L1 in the rules of L2 will be as under:

- i. When L1 declines or writes that he does not have capacity to do the work.
- ii. When it is observed by Insulator's Progress/ Assesment, that L1 has not completed more than 3 lines in time.
- iii. When defects are found in the work of L1.
- iv. When L1 does not take up the work assignment within the stipulated time period as mentioned in the work order.



**FORM OF TENDER**

To,

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

**Re: "Tender for Establishment of Secondary +2 Standard School Building at Peri, Odisha"**

Having examined the plans/ specifications and schedule of quantities, and satisfying ourselves as to various conditions stated, I/we hereby offer to execute the above works at the mentioned rates which you have quoted for the items in the Schedule of Quantities.

I/we enclose deposit draft for \_\_\_\_\_ / Rupees \_\_\_\_\_ only towards Earnest Money deposit for the execution of the works at my/our tendered rates, together with all conditions of tender sheets, should the work be awarded to me/ us.

In the event of the tender being accepted, I/we agree to enter into and execute the necessary contract required by you. I/we do hereby bind myself/ourselves to perform the aforesaid deposit if \_\_\_\_\_ / Rupees \_\_\_\_\_ only in the event of our refusal to enter into signing the Contract Agreement. I/we further agree to execute and complete the work within the time frame stipulated in the tender documents.

I/we agree to pay GST, Sales Tax, Works Contract Tax, Excise Tax, Octroi, VAT, Duties, all Excises and all other applicable taxes levying and be levied from time to time on such bills for which the vendor/contractor and the rates quoted by me/us are inclusive of the same.

I/we understand that you are not bound to accept the lowest tender or bound to assign any reasons for rejecting our tender. I/we further understand that you have reserved the right to award Contracts to more than one Contractor and that I/we shall make no claims whatsoever if awarded except only a part of my/ our tender. We cannot thereby agree to institute proceedings as stipulated in the tender documents.

I/we hereby reserve the right to terminate our contract and forfeit the Earnest money deposit paid by us in addition to recovery of all the dues to the Institute from the payment receivable by us. Further we may also be barred from tendering in future for the Institute and its subsidiaries. Any Commercial Disbarring in the Directorate No. 1 will disqualify me/ us without any further enquiry.

The enclosed herewith is the completed tender documents duly signed in duplicate.

Yours truly,

[To be signed by the Authorized Representative of  
Tenderer holding Power of Attorney]

Name:

Date:



8/3/16

### Specifications

**Note:**

- a. These specifications are to be read in conjunction to relevant drawings & details.
- b. All the items of work mentioned are to be complete in nature & without any additional payment for any of the fittings, fixtures, workmanship or raising item.
- c. In case of any doubt or clarification, same may be referred to the consultant for any clarification.

Sl. No.	Name	Item Description
1.	Demolition	<ol style="list-style-type: none"> <li>a. Demolishing concrete (except masonry) or masonry work including disposal of material within 50 metres lead as per direction of Engineer-in-charge.</li> <li>b. Demolishing brick work manually by workmen using including stacking of removable material and disposal of unrecoverable material within 50 metres lead as per direction of Engineer-in-charge.</li> </ol>
2.	Earth Work	Earth work in excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains, including dressing of sides and ramming of bottoms, all upto 1.5 m, including getting out the excavated soil and deposit of same as directed, within a lead of 50 m.
3.	Under Keel Pile	Boring with hydraulic jacking rigs with power units, providing and installing cast in situ concrete under raised pile of specified diameter and length below pile cap or 3000 mm dia concrete, to carry a safe working load not less than specified, including the cost of steel reinforcement and cost of boring with bentonite slurry and the length of the pile to be extended to pile cap etc. as complete.
4.	Load Testing	Vertical load testing, Cyclic vertical, constant load testing of piles in accordance with IS 2911 (Part - IV) 1969. Test of piles at designated locations including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification and up to 50 tonnes per test pile.
5.	FILL	Spreading and laying in position compact concrete of specified grade including the cost of rendering and chalking. All work up to plinth level. L22 (I) Cement: 1 metric ton (one t) derived from natural sources & graded with aggregate of recommended size derived from natural sources.



6	Centering and shuttering	Centering and shuttering of forms for placing the concrete shall be including all struts, props etc. and removal of form for using steel shuttering / Exp. form / A/C 1000 grade lining and 12mm thick fiber board sheathing ply (20mm Rf. Min.) steel plate as RCC form work. The type, shape, size, quality and strength of all materials of which the forms are made shall be subject to the approval of the Engineer in-charge. Forms shall be used wherever necessary to confine the concrete to shape & to the required lines or to ensure against contamination of the concrete by materials coming or sloughing in adjacent walls even till the excavation forms shall have sufficient strength to withstand the pressure resulting from placement and vibration of concrete and shall be provided rigidly in correct position. Forms shall be substantial and enabling to fix concrete placed in them conform the design dimensions. All concrete forms shall be sufficiently tight to prevent leakage of mortar from concrete. Additional bracing shall be used as and when necessary and before of necessary treatment or coating of forms. After the forms are erected before any concrete is placed, the forms shall be inspected for use, level and gaps with respect to the structure, absence of bracing, free from deformations, keyholes and openings, etc.
7	Concrete	Pre-casting and casting in position ready mixed or site batched design mix concrete concrete for reinforced concrete work, using natural aggregate and fine aggregate derived from natural sources, Portland Cement / Ordinary Portland Cement / Bag cement, admixture as recommended proportions as per IS: 10262 to accelerate / retard setting of concrete, to improve flexibility and workability without impairing strength, including pumping of concrete to site of laying, curing, covering for all loads, but excluding the cost of centering, shuttering, bracing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete:  Concrete of M25 grade with minimum cement content of 350 kg/cum
8	Solid Brick	
		a. First work with equivalent fly ash bricks conforming to IS:12794, class designation III average compressive strength is Cement mortar 1:4 (I cement 5.5 cum m <sup>3</sup> )
		b. Half brick masonry with non-vitreous fly ash bricks conforming to IS:12794, class designation III average compressive strength is Cement mortar 1:4 (I cement 5.5 cum m <sup>3</sup> )
9	Internal Plastering	12mm thick cement plaster 1:0.5 cement 4.5 cum m <sup>3</sup> over the internal wall surface including cost of all materials labor and T&P etc. complete
10	External Plastering	13mm thick cement plaster in Outside wall surface in 1:0.5 cement 4.5 cum m <sup>3</sup> cover mortar over the wall surface including cost of all materials labor and T&P etc. complete
11	Ceiling Plaster	6mm thick cement plaster 1:0 over the RCC ceiling surface including cost of all materials labor and T&P etc. complete.



12	<b>Plaster Works (Whitewash / Washed)</b>	Providing and applying white cement based plaster of average thickness 1 cm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.
13	<b>Cement Primer</b>	Applying one coat of water based alkali resistant primer of approved brand and manufacturer on wall surface.
14	<b>Inside paint</b>	
a.	<b>Acrylic emulsion (Whitewash / Washed)</b>	Wall painting with premium acrylic emulsion paint of standard grade, having VOC (Volatile Organic Compound) content less than 30 grams/ litre of approved brand and manufacturer, including applying additional coat whenever required to achieve even shade and colour.
b.	<b>Acrylic Emulsion (Whitewash / Washed)</b>	Decorating with 1st quality acrylic emulsion ready-mixed having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour as complete to achieve even shade and colour + free of more stains over and including water to include priming coat with curved.
15	<b>Outside Painting</b>	Finishing with Acrylic Emulsion exterior paint of required shade. Two or more coats applied @ 1.47 kg/10 sqm over and including priming coat of concrete primer applied @ 2.20 kg/10 sqm.
16	<b>External Plaster</b>	Plastering 1/2" Wood block with synthetic emulsion paint of approved brand and manufacturer of standard colour to give an even shade (one or more coats) including a coat of approved sand primer.
17	<b>Flooring</b>	
a.	<b>Marble Tile</b>	Providing and laying vitrified double-charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.2% and conforming to IS 10422 of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (3 cement : 4 coarse sand), jointing with grey cement slurry @ 0.2 kg/l sum including grinding the joints with white cement and washing pigments etc., complete.
b.	<b>Grinding (Whitewash / Washed)</b>	Grinding the joints of flooring tiles having joints of 2 mm width, using epoxy grout mix of 0.70 kg of epoxy resin, 0.60 kg of desired shade 0.10 kg of hardener and 0.20 kg of water per kg, including filling, grinding and finishing complete as per direction of Engineer-in-charge.
c.	<b>Concrete Flooring</b>	Providing and laying polished concrete stone flooring in required design and colours, in floor as well as elevation portions of the building as complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average thickness of cement mortar 1:4) concrete, 4-course sand bed and jointed with cement slurry, and painting with white cement slurry added with pigment of matching shade including rubbing, curing and polishing etc. as complete as specified and as directed by the Engineer-in-Charge. For Concrete / Vitrified (Whitewash) Polished Concrete stone slab colour of Black, Grey/Blue/Red as equivalent.



17/05/20

c. Chiquetrol Tile Flooring on Form	Chiquetrol (precast) cement concrete tiles 22 mm thick in-situ & perforated with neat cement slurry raised with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). Gask shade pigment using ordinary cement.
e. Ceramic Floor Tile	Providing and fixing ceramic glazed floor tiles of size 300x300 mm @ thickness to be specified by the manufacturer, of 1st quality conforming to IS 15122, of approved make, in all colours, shades, except white, ivory, grey, fawn and brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement / 4 Coarse sand), leaving with grey cement slurry @ 3.5 kg/m <sup>2</sup> sq.m. including pointing the joints with white cement and matching pigment etc. complete.
Metreage Wall Tile	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS 15122 (thickness to be specified by the manufacturer, of approved make, in all colours, shades except turquoise, bottle green, black or any blue as approved by Engineers in Charge, or having sheet of caps and studs, size 22 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and finishing with grey cement slurry @ 1.5 kg per sq.m. including pointing in white cement raised with pigment of matching shade complete.
18 WPC Door Frame	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) door frames/ thresholds comprising of virgin PVC, add-on of 5 value 50-60 (percentage credit), calcium carbonate and natural fibres (wood powder/ rice husk/ wheat husk) and various additives (maximum density index of 12 for 300 gms) fabricated with raised joints after applying PVC solvent cement and covered with 1.5 mm body finished the finished 20 screws having modulus frame density of 750 kg/cum, screw withdrawal strength of 1200 N (force @ 1100 N @ 60%), minimum compressive strength of 20 N/mm <sup>2</sup> , modulus of elasticity 1600 N/mm <sup>2</sup> and resistance to spread of flame of Class A category with property of being termite/termite proof, termite/white ant termite and fire retardant and fixed in position with M.S. hand fastenings/ 10 each fastener of required dia. and length complete as per direction of Engineer in Charge. (M.S. hand fastenings or 10 each fastener shall be paid for separately). Note: For WPC solid door/window frames, minimum tolerance in dimensions i.e. depth and width of profile shall be acceptable. Variation in profile dimension or plus side shall be acceptable but no extra payment on this account shall be made.



Hy 28/12

19. <b>Pressed Steel Door Frame</b>	<p>Providing and fixing pressed steel door frames conforming to IS 4321, manufactured from commercial mild steel sheet of 1.50 mm thickness including hinges, jamb, lock jamb, level and if required angle reinforcement of mild steel angle of section 90x75 mm, or size less of 1.50 mm, around mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed lock finger 2.5 mm thick with rubber gaskets, lock strike plate and shock absorbers as specified and getting a coat of approved steel primer after pre-treatment of the surface as directed by Engineering charge.</p>
20. <b>Flush Door</b>	<p>Providing and fixing 50 mm thick flush door shutters conforming to IS 1202 (Part 1) non-ferrous type, core of block board construction with frame of 1st class hard wood and well matched 1 ply veneering with vertical grain in inner boards and face veneers on both faces of shutters; 32 mm thick including 50 mm thick wooden fixed but hinges with necessary screws, hardware, locks, door covers etc. Fixing with 2x2 inch teak wood battens 25 mm minimum depth on all edges of flush door shutters along with 1.00 mm thick installed veneer on both faces.</p>
21. <b>Melanine Polish (Wherever mentioned)</b>	<p>Applying a high grade/best finish melanine clear polish or wood wax in required colour/variant shade texture with following process in the sequence as detailed below:</p> <ol style="list-style-type: none"> <li>1. The surface to be polished is rubbed with sand paper 80/100 size and then with sand paper of 140/150 size.</li> <li>2. Applying two coats of water with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs.</li> <li>3. On drying of water coat, wet rubbing with emery (not for fine grading with staple water to remove excess water layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melanine finish to 50 of the wall and light/colours etc. This coat is to be allowed to dry for 4 to 6 hrs. on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs.</li> <li>4. On this, 1st coat of melanine polish is applied with spray gun using maximum clear polish and melanine finishes in required proportion. This 1st coat is allowed to dry for 24 hrs then the dry surface is again the wet rubbed smooth, which is further allowed to dry for 12 hrs.</li> </ol> <p>The final melanine polish is applied with compression pressure spray gun using melanine clear polish and melanine finishes in required proportion complete as per direction of Engineer in Charge. (Final coat to be done in 1 or 2 hours without gap of time.)</p>



23. **WPC Door Panels (Reference: Methods)**  
 Framing and fixing factory made single or double 300mm Thick WPC (Wood Polymer Composite) solid associative type flush door shutter of required size comprising of upper polymer of 2 color 10-00 (Suspension Grade), bottom carbonate and retard flame retard powder (See last/next job) and perlite additive (minimum density index of 12 for 300 gms) having minimum density of 450 kg/m<sup>3</sup> and some withdrawal strength of 1800 N (Face & 900 N (Edge), minimum compressive strength 20 MPa, modulus of elasticity 250 N/mm<sup>2</sup>) and resistance to spread of flame of Class A category with property of being former/ lower grade, water/ moisture proof and fire resistant. WPC to be laminated with PVC foil of minimum 10 micron thick of approved design pattern with hot melt adhesive on both faces of shutter and being with stainless steel butt hinges of required size with necessary fall body finished steel finished summer with 1.5 screen, all as per direction of Engineer-in-Charge. (Note: The item includes stainless steel butt hinges, minimum 1.5 screen and all necessary hardware.)
24. **uPVC Window**  
 Framing and fixing factory made uPVC white colour sliding glass window upto 1.20 m in height dimension comprising of uPVC multi chambered frame with a built roller lock and cast stainless profile duly reinforced with L40 x 0.7 mm thick galvanized mild steel and is made from roll forming process of required height length & size according to uPVC profile, arrangement dimensions of uPVC extruded glazing beads and uPVC extruded insulator, EPDM gasket, vent pin, the alloy pulley powder coated touch lock with lock, one alloy body with single nylon rollers (weight bearing capacity to be 40 kg), 1.1 between 100 x 8 mm size for being frame to finished wall and necessary hardware such as screws etc. Profile of frame & lock shall be noted out and later verified at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After being frame the gap between frame and adjacent finished wall shall be filled with weather proof alkali resistant cork filler not of required size and of approved quality, all as per approved drawing & direction of Engineer-in-Charge.
25. **Painted Steel Window (DATA Form: Method V or Equivalent)**  
 Framing and fixing factory-made glazed windows with double outside & inner thick clear float/low-iron glass made out of 1.0 mm fresh D-shaped and polyurethane painted complete along with all fittings & hardware. (DATA Form's this is applicable)
26. **MS Grid**  
 Ductal or steel work in single section, fixed with or without connecting joints, including cutting, fixing, being in position and applying a drying coat of approved steel primer of complete.



Pg-4/2/26

26. **Masonry Work** Providing and fixing masonry work (Grade III) including work of half bricks, chimneys, gables etc., including walling, grinding, buffing, polishing and making cavities (wherever required) and fixing the same with necessary masonry steel rods and bolts complete, (or being the walling with necessary accessories & stainless steel mesh fasteners, stainless steel bolts etc., of required size, at the top of the floor or the side of wall slab with suitable arrangement as per approval of Engineer-in-charge.
27. **Finish Protection** Making smooth plaster finish thick of cement (2:1:10) (1 cement : 1 coarse sand) (or with derived from ratio of 100 mm) 4 graded stone aggregate 20 mm nominal size derived from various sources) over firm thick bed of dry brick ballast of 100 mm nominal size, well compacted and consolidated and grouted with fine sand, including necessary excavation, leveling & dressing & finishing the top smooth.

#### W.C. / Water Supply Work

#### Sanitary Installations

28. **Waste Water / Soil Waste Pipe** Providing and fixing all P.C. pipes of different dia as per IS code (S.P. 33:1987) in both horizontal & vertical shafts & as per approved design. Fixed by using approved bracket / clips / stays / saddles/ Clamps etc. at regular intervals including all joints, tees, elbows etc. & joining with adhesive cement, sealing, including making brick work and being in cement mortar (1:1 cement : 4 coarse sand) and making good the wall etc. complete.
29. **Gully Trap** Providing and fixing square recess P.P. (PVC) gully trap complete with grating & brick masonry chamber with water tight P.P. cover with frame of 800 x 800 mm size (single). With fly Ash (non-modular) bricks of class designation 20.
30. **Masonry** Constructing brick masonry structure in cement mortar (1:4 : 1 cement : 4 coarse sand) with R.C. for slab with 1. L.L. 60 mm (1 cement : 1.5 coarse sand (2:1:10)) : 1 graded stone aggregate 20 mm nominal size, foundation concrete (1:4:6 mix (1 cement : 4 coarse sand (2:1:10)) : 1 graded stone aggregate 40 mm nominal size, inside plastering (2 mm thick with cement mortar (2:1:1 cement : 1 coarse sand) finished with finishing coat of red cement and making the walls in cement concrete (2:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size) finished with a finishing coat of red cement complete as per standard design.
31. **Half steel window** Providing and fixing white vitreous China fit each half and ornamental size 600x240x150 mm with Curved Top Hing Cast flashing arrangement down, with fittings, standard size C.P. brass flush plate, spandrels with grooves and clamps all in C.P. brass with waste fitting as per IS : 2008, C.I. trap with outlet piping and other couplings in C.P. brass, including sinking of fittings and setting and making good the walls and floor wherever required.
32. **Masonry Panel** Providing and fixing of masonry concrete masonry panels of size (200 X 400 mm) with rounded corners, in between windows & extended window sill.



8/4/20

33	WC	Providing and fixing white Vitreous China concealed wall mounting water closet of size 105x135x80 mm of approved shape including providing & fixing white PVC cistern with dual flush fitting, of flushing capacity 2 litre/s (litre) adjustable to 4 litre/s (litre), including seat cover, and cabinet fittings, nuts, bolts and gasket etc complete.
34	Wash Basin	Providing and fixing of Wash Basin (with Faucet) - Square - 400x575 mm with 100mm dia. 1.2 meter long Flexible Tube & Wall Mount etc. of complete including all materials, labour etc. complete as per direction of Engineer in charge.
35	Toilet Fixture	60 mm dia. Toilet / Washin of Basin Fixture as per details.
36	Wash Basin	Providing and fixing wash basin with C.I. brackets, 22 mm C.P. brass pillar top, 22 mm C.P. brass waste of stainless pattern, including painting of fittings and brackets, cutting and making good the walls wherever require. White Vitreous China Wash Basin size 330x400 mm. Note: Arrangement for Cabinet top / basin shall be as per standard as per the details. 30 litre trap shall be provided for all basins.
37	Towel Rail	Providing and fixing of Single Towel Rail Model - ACh-1111 BM, 600mm long (Square) Steel etc. of complete including all materials, labour etc. complete as per direction of Engineer in charge.
38	Shower Base	Providing and fixing C.P. basic shower tray with 25- or 29 mm dia. 132 mm diameter (square basin).
39	Hot Water Pipe	Providing and fixing on wall type un-insulated 25mm PVC, hot water pipes conforming to IS - 1592 Type A, along with uPVC pipe clips including wiring with wall ring conforming to IS - 5382, leaving 10 mm gap for thermal expansion, 6) Single jacketed pipes.
40	Sub Water Pipe	Constructing brick masonry chamber for underground C.I. inspection chamber and joints with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) P.P. cover with frame 300x300 mm internal dimensions, R.C.C. top slab with 1:1:3 (1 cement : 1.5 brick sand : 3 graded coarse aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 brick sand : 10 graded coarse aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished exterior with a floating coat of wet cement on walls and bed concrete etc. complete as per standard design. Inside dimensions 450x120 mm and 40 cm deep for single pipe fit, wholly sub (non-insulated) bricks of class designation II.
<b>Water Supply</b>		
41	DIT	Providing and placing on (surface) of all floor levels polyethylene water storage tank, IS - 12721 standard, with cover and outside painting arrangement and making necessary holes for inlet, outlet and overflow pipes etc. without fittings and the base support for tank.
42	C.PVC Supply Line	



<p>a. <b>Copper Work</b></p>	<p>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes of various diameters, having thermal stability for hot &amp; cold water supply, including all CPVC pipes &amp; brass threaded fittings, (i) being the pipe with diameter of 1.00 m bearing. This includes joining of pipes &amp; fittings with one step CPVC solvent cement and the rest of fitting classes and making good the same including testing of joints complete as per direction of Engineer in Charge, including cutting threads and making good the wall etc.</p>
<p>b. <b>CPVC Supply Line</b></p>	<p>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply including all CPVC pipes &amp; brass threaded fittings. This includes joining of pipes &amp; fittings with one step CPVC solvent cement, including, cutting &amp; testing of joints complete as per direction of Engineer in Charge.</p>

**General Works**

**43. Wiring to House**

	<p>a. <b>Assured wiring light point, fan point (with location fan point) / Cell bell point</b> 1.0 square ft PVC insulator single core multistrand copper conductor of 16 mm dia with 20 mm dia non-metallic PVC flexible conduit with 1 kgp. 250V modular type switch (5- marked and rating case) (5- marked mounted on insulator box having front modular cover of suitable size, modular box with 1.5 kgp. 250V PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of engineer in charge. (Make of wire Termox/LSI/ Anchor/ Kavali/ WPL/ WOLME).</p>
	<p>b. <b>Supply of all required materials and wiring to modular type 20 AMP plug socket point with 1 (16 sq. cm.) PVC insulated copper wire run inside 12mm dia PVC/polythene conduit plus wire on surface of wall/ceiling along with 1 (16 2.5 sq. cm.) PVC insulated copper wire as earth conductor conductor complete in all respect including making good to the damage caused and complete as per the direction of Consultant and Engineer in Charge.</b></p>
	<p>c. <b>Supply of all required materials and wiring to modular type (16 socket outlet with 16-20A (10), starter for AC with termination of 1 (16 sq. cm.) PVC insulated copper wire run inside 12mm dia PVC/polythene conduit plus wire on surface of wall/ceiling along with 1 (16 2.5 sq. cm.) PVC insulated copper wire as earth conductor (including making good to the damage caused and complete as per the direction of Consultant and Engineer in Charge).</b></p>
	<p>d. <b>Supply and fixing of Modular meter box on surface in a room with suitable size of modular meter in front including providing and fixing of Stop plug with 6mm modular switches connection and fixing modular switches conductor as per requirement.</b></p>
	<p>e. <b>Supplying &amp; fixing of modular outlet / socket / receptacle / Cell bell point, TV socket, Telephone socket etc.</b></p>



Pg. 4/6  
100

- 44 Distribution Box** Supply, delivery, installation, testing and commissioning of LT voltage wall/flush mounted type distribution boards as per design made out of Iron Plate Or sheet metal duty and treated, primed and painted with 2 coats of enamel paint of approved make, having hinged door and compartment arrangement for each equipment and locker chamber on the top of the panel having horizontal throughout its length duty slot, clamp and screw grid having provision for cable/corded entry, meeting that as per specification mentioned below, duty factory used conforming to the relevant ISI and as per special conditions of contract and having good life design checked complete as per direction of Consultant or Engineer in-charge.
- 45 Electric Wiring**
- Recessed wiring to cabinet with 240 sq. mm., 1.1kV PVC insulated, single core multistrand copper wire of 80 marked, conforming to IS-1344 / 1990 or 22mm dia six-core metal flexible conduit heavy duty conforming to IS-1044 / 1975 and earth continuity with 1x1.5sq. mm. dia 1.1kV PVC insulated single core multistrand copper wire complete with all accessories and connections as per direction of Consultant or Engineer in-charge. (Item 24 to 34)
  - Recessed wiring to cabinet with 240sq. mm. 1.1 kV PVC insulated, single core multistrand copper wire of 80 marked, conforming to IS-1344 / 1990 or 22mm dia non-metallic flexible conduit heavy duty conforming to IS-1044 / 1975 and earth continuity with 1x1.5sq. mm. dia 1.1 kV PVC insulated single core multistrand copper wire complete with all accessories and connections as per direction of Consultant or Engineer in-charge. (Item 35 to AC panel)
  - Recessed wiring to cabinet with 4.4 sq. mm. 1.1 kV PVC insulated, single core multistrand copper wire of 80 marked, conforming to IS-1344 / 1990 or 20mm dia non-metallic flexible conduit heavy duty conforming to IS-1044 / 1975 and earth continuity with 1x1.5sq. mm. dia 1.1 kV PVC insulated single core multistrand copper wire complete with all accessories and connections.
- 46 Manicuring** Supply, delivery, laying and end termination of different sizes PVC insulated, PVC sheathed, armoured aluminium conductor cable of 1.1kV volt grade (3-Core / 2-Core) laid directly under ground (on surface of wall) conforming to RCC / concrete / through CI- or Mure pipe as the case may be including provision of earth in all kinds of soil and rock, sand, tunnelling, brick, protective casing, back filling the trench, end termination but excluding the cost of CI pipe / Mure pipe complete as per direction of Engineer in-charge or consultant.
- 48 Testing**
- Supply of material, laying underground / wall fixed, laying and termination and testing of 25 x 2mm CI pipe to be laid from the manhole to subpost / BS as per direction of Engineer in-charge or Consultant.



By: 1/1/16

- a. Supply of all required materials installation of non-ferrous pipe with electrical grade out of 40 mm dia class D/C1. Pipe of 1.2 meter long with arrangements for fitting / termination of GI. flat / plate with soil, water flowing arrangement, 100% recovery, exhaust on top with vertical C.I. down with chemical soil and comply with advice for excavation of pit conforming to I.S. / IS45/1987 and as per direction of Consultant or Engineer in-charge.

#### 49 Data Networking

- a. Supply and fixing of information out let for cables for 40, 40 / dual type for 40 services including mounting box (MS / PVC) and top cover to be fixed to concealed space in junction to security TOTT & below as directed at site (MS/2 21g/ 40x4 / MS/ / HCL)
- b. Supply and laying of 1 CAT 6 UTP Cables for the data through the existing PVC / MS conduit. Note to include for termination on either end as per (direct order INMS, HCL)

#### 50 Lightning Protection

- a. Supply and fixing starting with GI work pipe line long 40 mm dia 10 meter rolling accessories and providing necessary treatment with cover plate fixing rolling arrangement and rolling joints etc. with channel and set as per requirement & installing standard working as per Govt. Specification & providing and fixing 40mm x 6mm C.I. strip
- b. Providing and fixing of lightning conductor head made 20mm dia 300 mm long, GI 100C, having eight prong at top, with 20mm dia 6mm thick GI base plate including bolting etc. complete as required
- c. W/ providing and fixing of testing joint. Made of 20mm x 6mm thick GI plate. 100mm long with 4 nos of C.I. bolts, steel nut and spring washer complete as required.

#### 51 FITTING & FIXTURES

(Internal Building)

- a. Supply, fixing of LED tube light (make Havells / PA/HP)
- b. Supply, fixing of LED bulb or fitting with all accessories (make Havells / Philips)
- c. Supply of Coling fan 1200mm x 600mm 1600 cooling fan



**PART B - FINANCIAL BID (Over 2)**

1. Name of the Civil Contractor -
2. Complete Address with Phone No -
3. DAV Engineering No -
4. Contractor License No -
5. Valid Labour License No -
6. PAN No -
7. GST No -
8. EOI No -

(Please enclose photo copy of the documents)

Sl No	Description (As per Building Plan)	(Approx Area)	Rate per Sqft With all the Materials
1	Construction of Basement including walls and roof slabs.	Sqft	Rs. Rate in words
2	Construction of Ground Floor	Sqft	Rs. Rate in words
3	Construction of First Floor	Sqft	Rs. Rate in words

- The above rates are inclusive of GST and all applicable taxes (CGST).
- Please read specifications attached before quoting the rates.

Signature of the Contractor with date & seal.



Pg. 4 of 60





DATE	10/10/2022
SCALE	1/4" = 1'-0"
PROJECT	SCHOOL BUILDING
DESIGNER	ARCHITECT
CHECKER	ARCHITECT
APPROVED	ARCHITECT
DATE	10/10/2022







Scale: 1/4" = 1'-0"  
Date: 10/10/2010  
Drawing No: 1010/1010  
Project: 1010/1010  
Sheet: 1010/1010

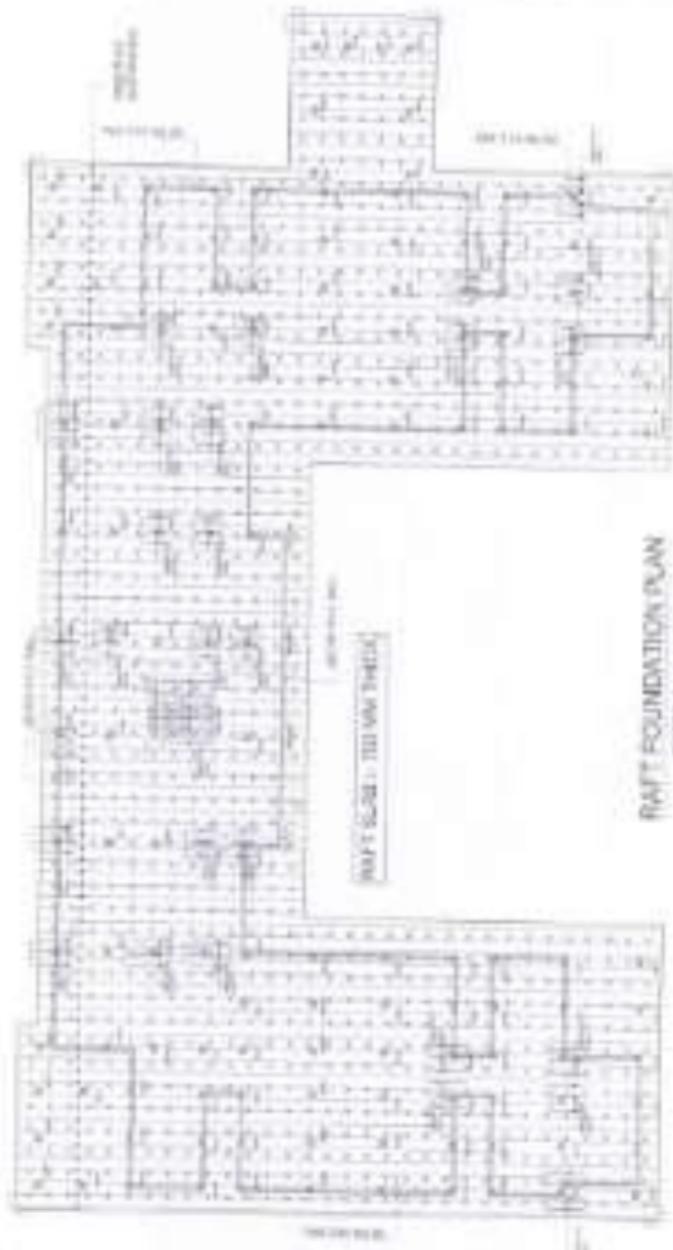
10/10/10





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PROJECT NO. 100-100-100  
 SHEET NO. 100-100-100  
 DATE 10/10/10  
 DRAWN BY 100-100-100  
 CHECKED BY 100-100-100  
 APPROVED BY 100-100-100  
 TITLE RAFT FOUNDATION PLAN



**RAFT FOUNDATION PLAN**  
 100-100-100



10/10/10

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PROJECT NO. 100-100-100  
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 DRAWN BY 100-100-100  
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 CREATIVE INSIGHT  
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RAFT FOUNDATION PLAN  
SECTION ADDRESS



10/10/10

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PROPERTY OF THE  
 CLIENTS OF  
 UNIVERSITY OF  
 MALAYA  
 100, UNIVERSITY AVENUE,  
 MALAYA

DATE: 10/10/2011

PROJECT: ...

SCALE: ...

CREATIVE DESIGN



RAFT FOUNDATION PLAN  
 TOP ALONG Y-Y



10/10/2011





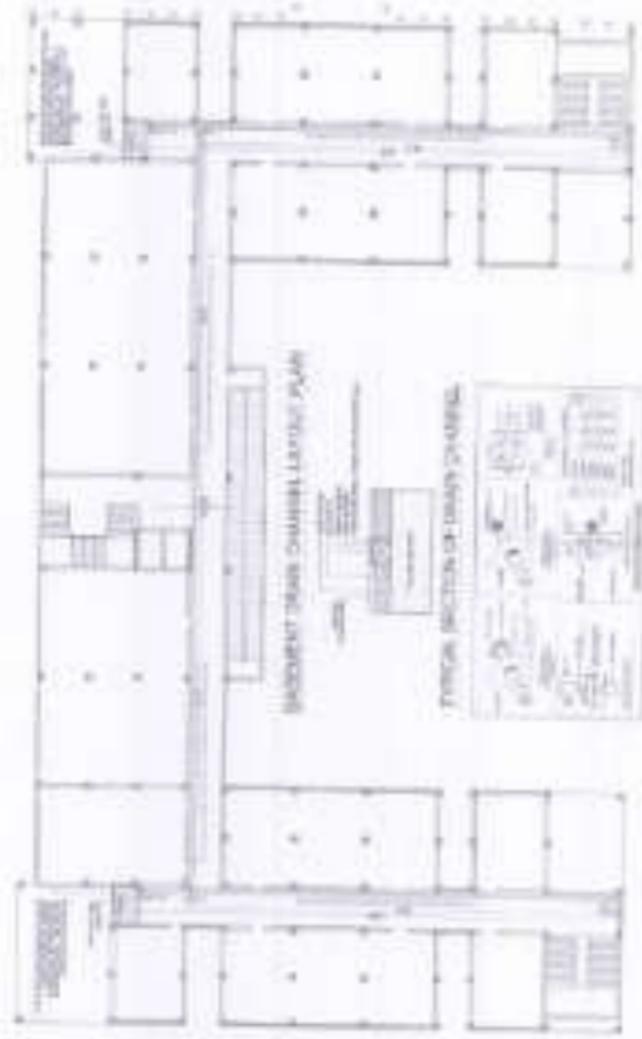
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3. The drawings are to be used for the purpose of the contract only and are not to be used for any other purpose without the written consent of the architect.

PROJECT NO. 100  
 SHEET NO. 100  
 DATE 10/10/10

AREA ONE, NO. 100  
 100-100-100



10-10/10





TYPICAL ROOF BEAM LAYOUT PLAN



Sl. No.	Description	Quantity	Unit
1	Concrete		
2	Steel		
3	Bricks		
4	Plaster		
5	Paint		
6	Waterproofing		
7	Insulation		
8	Roofing		
9	Electrical		
10	Sanitary		
11	Finishing		
12	Other		
13	Total		

PROJECT WORK IS  
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DATE THE PROJECT  
 WAS COMPLETED  
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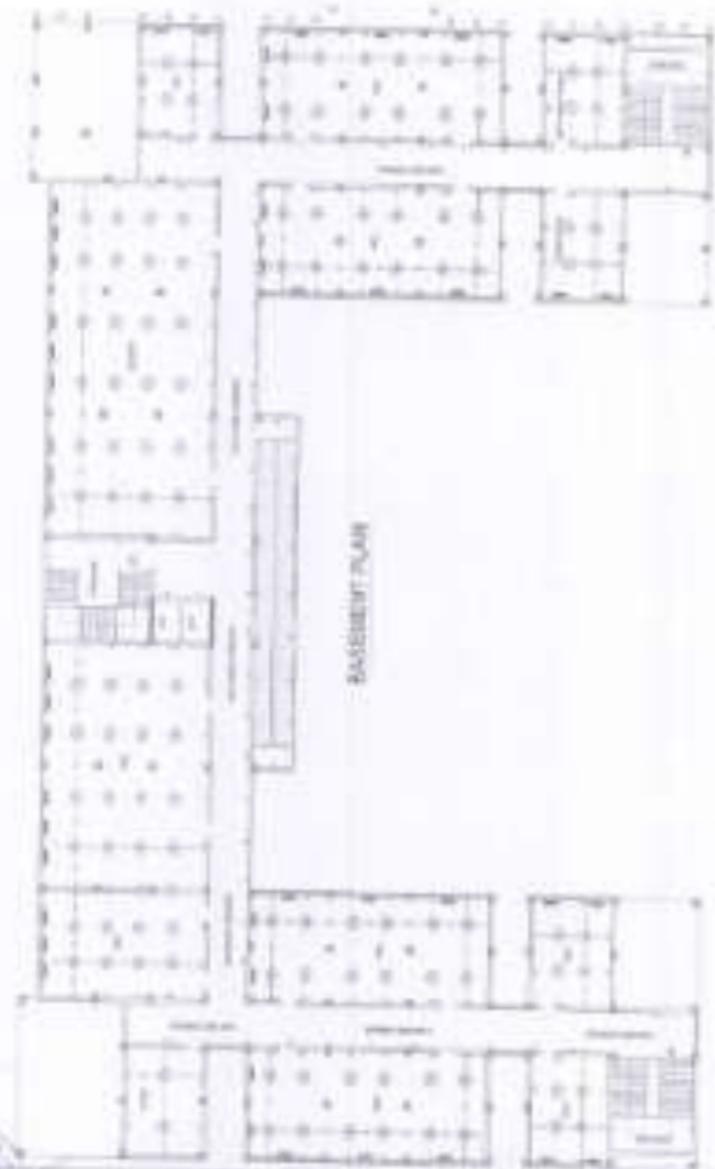
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PROJECT NO. _____ SHEET NO. _____		PROJECT NAME _____ PROJECT ADDRESS _____	
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DATE _____		SCALE _____	
DRAWN BY _____		CHECKED BY _____	
APPROVED BY _____		DATE OF APPROVAL _____	



BASEMENT PLAN

7/2-2000





GROUND FLOOR PLAN





PROVISIONS:  
 1. All concrete shall be of grade M20.  
 2. All reinforcement shall be of grade Fe415.  
 3. All reinforcement shall be provided in accordance with IS 456:2000.

APPROVED AND  
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