



REGIONAL DIRECTORATE DAV INSTITUTIONS, ODISHA

Ref. No:- DAVRD/ODY 210 / 2026

Date : 01.02.2026

TENDER CALL NOTICE

Sealed quotations are invited by the undersigned from the PWD/CPWD/ RAILWAY/MES approved Contractors for Construction of Basement +2 Storied School Building at Samanga, 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 09.02.2026 to 21.02.2026. The Tender Form can be downloaded from the Institute's website <http://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.

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REGIONAL DIRECTORATE DAV INSTITUTIONS, ODISHA

Ref. No.: DAVRD/ODY

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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>09.02.2026 (11.30 a.m.)</u>
Last Date of Submission	<u>21.02.2026</u>
Contact Details	Regional Director DAV Institutions, Odisha At DAV Public School, Chandrasekharpur P.O. - Satyashree Vihar, Bhubaneswar-751021 Odisha Phone: 0674-2240625 E-mail: davdiodisha@gmail.com Website: http://davdiodisha.org



Regional Director

DAV Institutions, Odisha, Chandrasekharpur, Bhubaneswar

Regional Director, DAV Institutions, Odisha, Chandrasekharpur, Bhubaneswar invites sealed Tenders in Two-bid system from the PWD/DPWD/ RAILWAY/MES approved Contractors for Establishment of Basement +2 Storied School Building at Puri, Odisha which includes Civil, Plumbing, Carpentry, Furnishing, 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 & Annexures.

a.	Name of work	Establishment of Basement +2 Storied School Building at DAV Puri, Odisha.
b.	Brief Description	<p>Establishment of the School Building on Square Foot Rate Contract Basis as per the schedule of works, specifications, terms & conditions.</p> <p>This tender pertains to the execution of works on Square Foot 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 allied 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 execution and operation of the proposed building. External works such as approach roads, boundary walls, storm 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 DPWD specifications, relevant IS codes, and directions of the Engineer-in-Charge, ensuring that the building is delivered as a fully functional and operational facility.</p>
b.	Site Address	Bay, Plot No - 1972(P), Chata No - 3205, Modusa - Samaniga, Dist. - Puri.
c.	Time of Completion	600 Calendar Days
d.	Cost of Tender document (Non-refundable)	5,000/- (Rupees Five Thousand only) by crossed Demand Draft payable at Bhubaneswar and drawn in favor of "Regional Director, DAV Institutions, Odisha". (Tender without tender form fee will be rejected)
e.	Ernest Money	10,00,000/- (Rupees Ten Lakh only) by crossed 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 in proper form will be rejected)
f.	Retention money	5% of total certified bill amount
g.	Release of Retention	Retention money will be released after Defect Liability Period of 1(One) year from the date of payment of the final bill after adjusting all dues, if any, from the contractor.



		the contractor.
h.	Availability of Tender Document	Tender form has to be downloaded from the Institute's website http://chandrapurisha.org . Application form available on the website only needs to be used. Tender forms will be available on institute's website from 09.03.2026 11.30 a.m. till 21.03.2026 upto 3:00 p.m.
i.	Date of Commencement	Either one week from the date of acceptance of work order or the day on which contractor is instructed to take possession of the site, whichever is later.
j.	Time and date of Submission of tender	Upto 03.00 P.M. on 21.03.2026
k.	Time and date of Opening of Technical Bid	At 3.00 P.M. on 21.03.2026
l.	Venue of Opening Tenders	Office of the Regional Director, At DAV Public School, Chandrapur (Campus -I), Bhubaneswar-751021
m.	Tender to be addressed and submitted to	Office of the Regional Director, At DAV Public School, Chandrapur (Campus -I), Bhubaneswar-751021
n.	Clarification, if any, to be obtained from	Office of the Regional Director, At DAV Public School, Chandrapur (Campus -I), Bhubaneswar-751021
o.	Validity of Tenders	8 (Eight) calendar months from the last date of submission of Tender.
p.	Defects liability period	12 (twelve) months from the date of payment of the final bill.
q.	Taxes	The Rate quoted shall be inclusive of all taxes & GST.
r.	Delay in submission	Delay in submission of Tender arising due to postal or any other irregularities at any stage will not be considered. The Institute will not be responsible for any damage in transit in case of postal delivery/delivery through courier service.
s.	All tenders in whom any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.	
t.	The acceptance of tender will rest with Institute which does not bind itself to accept the lowest or any tender and reserves to itself the right to reject any or all the tenders received without assigning any reasons, thereon.	
u.	In case the date of opening of tenders is declared as a holiday, the tenders will be opened on the next working day.	
v.	Conditional Tenders will be summarily rejected.	

Retention money. The Retention percentage i.e. Deduction for interim bill shall be 5% of the gross value of each interim bills. The Retention Money will be released after 1(One) 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 attended to all defects in accordance with the conditions of the contract, including site clearance.

Defects liability period shall be as per memorandum. It must be realized that this period is for



exposure of "Latent Defects". The D.P. commences from the date of payment of the final bill for a period of 12months.

After opening the envelope containing the offer on the standardised conditions and opening of the priced tender, no correspondence will be entertained.

Prior to opening of Financial Bid, Institute/Deputed Architect or Engineer, at their discretion may inspect the on-going/completed works of the Contractors as well as obtain confidential report from the concerned employers. The bids of tenders who do not fulfill the above criteria will summarily be rejected. The Institute also reserves to itself the right of accepting the whole or any Part of the tender and the tenderer shall be bound to perform the same at the rates quoted.

Pre-Qualification Criteria

The firms having experience of successfully completed Civil & Furnishing Works during the last 7 years ending on 31st March, 2025.

a. 3(Three) "similar completed works" costing not less than	Rs. 5.0 Crores (Eight Crores Only)
OR	
b. 2(Two) "similar completed works" costing not less than	Rs. 2.5 Crores (Ten Crores Only)
OR	
c. 1 (One) "similar completed work" costing not less than	Rs.15.00 Crores (Twelve Crores Only)

Minimum average turnover of the bidder shall be Rs.15.00 Crore (Eighteen Crore) during the last 3 (three) Financial years, testimonial to be mandatorily submitted along with Technical Bid, Part - 1.

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

- a. RCC Frame Work in Columns, Foundation, Roof Beam, Roof Slab including cantering & shuttering / bar binding etc.
- b. Brick murs including plastering, Lime & chajja works, making concealed conduiting for P.V.C. Electrical works etc.
- c. Fixing of Doors, windows, ventilators, grills etc.
- d. All types of anti-termite and pest control treatment work.
- e. All types of plumbing, sanitary works in the residential, Commercial, institutional complex including supply of plumbing and sanitary materials.
- f. Installation, testing, commissioning of all electrical low tension (LT) works including electrical control panel, wiring, conducting, trunking, Installation of fitting and fixture, switch, MCB's.
- g. Maintenance and repair of earthing system and lightning arrestors.
- h. Flooring work using tiles, marble, granite slab etc.
- i. Wall finishing including painting, putty & varnishing works.
- j. Installation of stair, balcony balustrad.
- k. Roof-Grading & waterproofing.
- m. External development works including plinth protection, development of circulating areas using paver blocks / chequered tile flooring, making service connections for water supply, sewerage lines etc.



"Similar completed works" means Composite nature of work comprising of Civil work, Carpentry work, Flooring work, Painting work, Sanitary & Plumbing work, Furniture work, Electrical work, and other associated works.

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

1. **Cover 1** : Part - I, Technical Bid including pre-qualification documents (Annexure - A)
2. **Cover 2** : Earnest Money Deposit (EMD)
3. **Cover 3** : Part - II, Price Bid

All the above 3 (three) sealed envelopes are to be submitted in a single covering envelope, duly super-scribed as "Tender for Establishment of Basement +2 Storied School Building at Pur" and submitted to the address mentioned in clause - k hereinabove.

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 their 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 entertained. Conditional offers shall be summarily rejected. Disputes, if any, will be subject to Bhubaneswar jurisdiction only.
- iv) Convincing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to convincing will be liable to rejection.
- v) For all sample should be approved in writing by the Architect/Institute.



PART I – TECHNICAL BID (Cover 1)

ANNEXURE - A

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

Important Note:

1. Please type or handwrite 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.

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



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8	Area of business activities other than construction, if any, and place of business.	
9	Registration of firm under Shop & Establishment Act 1948 (Enclose copy of the document as evidence)	
10	Address of Bhawanipur office through which the proposed work of the institute will be handled and the Name & Designation of officer in-charge.	
11	(i) Yearly turnover of the organization during last 3 years (year wise) (Avg. turnover of last 3 years should not be less than Rs. 15.00 Crores) and furnish audited balance sheet and Profit & Loss A/c (audited) for the last 3 years. (ii) Average turnover in 2022 – 2023 2023 – 2024 2024 – 2025	
12	Name & Address of bank (Solvency certificate from a bank to be enclosed for indicating satisfactory financial capacity of the organization)	1. 2. 3.
13	Enclose copy of latest income tax clearance certificate.	
14	PAN No. (Enclosed certified copy)	
15	GST Registration No. (Enclosed GST Regd. Certificate)	
16	Detailed description and value of works done (Proforma-1) and works on hand (Proforma-2)	
17	Empanelment with other Companies/PSUs (Enclose certified copies, if any)	
18	Other infrastructural information to be used/referred for this project List of available plant, machineries equipment, etc.	Attach a separate sheet if required.



19	Furnish the names of -3- responsible persons along with their designation, address, Tel. No. etc., for whose organization, you have completed the above-mentioned jobs and who will be in a position to certify about the performance of your organization.	1. 2. 3.
20	Whether any Civil Suit / Litigation arisen in contracts executed / being executed during the last 10 years. If yes, please furnish the name of the project, employer, Nature of work, Contract value, work order and brief details of litigation. Give name of court, place, and status of pending litigation.	Attach a separate sheet if required.
21	Information relating to whether any litigation is pending before any Arbitrator for adjudication of any litigation or else any litigation was disposed off during the last ten years by an arbitrator. If so, the details of such litigation are required to be submitted.	
22	Have you been ever disqualified or levied penalty by the Institute in past for non-fulfilment of the contractual obligations. If yes, please provide details.	
23	Have you in past carried out any works for any DAV Group of Institutes? If yes, give details.	



PROFORMA - I
LIST OF PROJECTS EXECUTED BY THE ORGANISATION DURING THE
LAST 7 YEARS (Minimum Value of Work done not less than 1.00 Crore)

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

Note:

1. Information has to be filled up specifically in this format. Please do not write remark "As indicated in Bidding".
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.



PROFORMA - 7
LIST OF IMPORTANT WORKS IN HAND
(Minimum Value of Work done not less than 5.00 Crores)

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 nos. of -3- persons (Engineers or top officials of the organization)	Contract Amount (Rs.) with copy of Work Order & completion certificate from project in-charge.	Stipulated time of completion (Years)	Present status of the project	Any other relevant information
1	2	3	4	5	6	7

Notes:

1. Information has to be filled up specifically in this format. Please do not write remark "As indicated in Bidding".
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.



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GENERAL CONDITIONS OF CONTRACT

1	Tenders shall remain open to acceptance by the Institute for a period of 180 days from the date of opening of Part-II of the tender which period may be extended by mutual agreement and the tenderer 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 rates. (Any addition/alteration in the text of the tender form 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	Rates should be quoted both in figures and in words in columns specified. All changes and alterations made while filling the tender must be attested by initials of the tenderer. Overwriting of figures is not permitted and failure to comply with either of these conditions will render the tender void at the Institute's option. No advice of any 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 his/hair having acquainted himself/herself with the General Conditions of Contract, General Specifications, Special Conditions etc., as laid down. 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 to itself the right to accept or reject any or all the tenders, either in whole or in part, without assigning any reason for doing so.
8	Intending tenderers shall pay an interest free Earnest 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, DAV Institutions, Odisha" payable at Bhubaneswar. Tender not accompanied by earnest money deposit will not be considered. The earnest money deposit of unsuccessful bidders shall be refunded after the work order is issued to selected bidder.
9	The Earnest Money Deposit of Rs.10,00,000/- paid by the successful tenderer shall be held by the Institute as 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 Employer of the acceptance of his/her tender, the successful tenderer shall be bound to implement the contract agreement within Fourteen 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 stamp paper for execution of the agreement shall be borne by successful tenderer.



11.	In addition to the Earnest Money Deposit, successful tenderer shall further deposit 2% of accepted tender value. That, Institute will keep 2% of accepted tender value as initial security deposit. Total 5% of the accepted tender value shall be kept as retention money which includes security deposit and interim retention money.
12.	All compensation or other sums of money payable by the contractor to the Employer under the terms of the contract may be deducted from his earnest money and security deposit if the amount so permits and the contractor shall, unless such deposit has become otherwise payable within ten days after such deduction make good in cash the amount so deducted.
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. Institute may serve a notice in writing on the Contractor regarding the contract, whereupon the security deposit shall stand forfeited to the Employer, without prejudice to his 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 in the opinion of the Institute Representative, changes have 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 accompany these Special Conditions. The Schedule of Probable Quantities is liable to alterations by omission, deduction or additions 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 quoted against various items should be totaled in order to show the aggregate value of the entire tender.
16.	The tenderer must obtain for himself 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, acquaint himself with all local conditions, means of access of the work, nature of the work and all numbers pertaining thereto.
17.	The rates quoted in the tender shall include all charges for clearing of site before commencement as well as after completion, water, electric consumption, meters, double scaffolding, centering, boaring, staging, plankin, timbering and pumping out water including hoisting, fencing, hoarding, plant and equipment, storage sheds, washing and lighting, by night as well as day including Sundays and Holidays, temporary plumbing and electric supply, protection of the public and safety of adjacent roads, streets. The rates quoted shall be deemed 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 square foot rate basis for the complete finished job for the items of work detailed in the specification and his attention is drawn to the fact that rate quoted should be correct, workable and self supporting. The quantities in the Schedule of Quantities are approximately.



	indicate the total extent of work but may vary to any extent and may even be omitted thus altering the aggregate value of the Contract.
19.	Time allowed for carrying out the work as mentioned in the Memorandum shall be strictly observed by the tenderer and it shall be reckoned from the tenth day after written order to commence the work is issued. 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 to pay compensation of the Conditions of Contract/ work contract. The tenderer shall before commencing work prepare a detailed work program which shall be approved by the Employer. Contractors have 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.	Tenders will be considered only from recognized Bonafide contractors in trade concerned. Each tenderer shall submit with his tender a list of large works of a like nature he has executed giving details as to their magnitude and out of the proportion of work done by the Contractor in it and the time within which the works were 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, whatever the cause of delays may be, including delays arising out of modification 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 smoothly 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 use materials of the makes/manufacturers specified in the list of material appraised brand and/or manufacture 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 laid down rules has to be borne by the Contractor.
27.	The contractor shall strictly comply with the provision of safety code annexed hereto.
28.	IS: Code numbers wherever mentioned in the tender shall be the latest version of IS: 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.



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30.	The Contractor shall submit the filled-up list of various items of works (Annexure -1) for its named rates 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.
31.	All disputes and differences of any kind whatsoever arising out of or in connection with the contract or the carrying out of the works (whether during the progress of the works or within 12 months from the date of virtual completion of the work and whether before or within 12 months of determination abandonment or breach of the contract) shall be referred to giving inter-alia full details of the matter under dispute like quantities, rates, amount claimed and the reason thereto and settled by the institute who shall state to the Arbitrator shall have power to open up, review and revise any Certificate, opinion, decision, requisition or notice, issue in regard to the accepted 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 at the case may be with the consent of the parties) from the date of entering on the reference. In case during the arbitration proceedings the parties mutually settle, compromise or compound their dispute or difference, the reference to arbitration, 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 settlement thereof, with the Arbitrator or the Arbitrators at 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 works by reason of any such matter, question or dispute being referred to arbitration, but shall proceed with the works with all due diligence and shall, until the decision of the Arbitrator or Arbitrators as the case may be, be given.
32.	CONTRACTOR TO INFORM HIMSELF FULLY:
The contractor shall be deemed to have carefully examined the work and site conditions including labour, the general and special conditions, the specifications, schedules and drawings and shall be deemed to have visited the site of work, to have fully informed himself regarding the local conditions and carried out his own investigations to arrive at the rates quoted in the tender. In this regard he will be given necessary information available with the 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, set forth the particulars thereof and submit them to the institute, in writing in order that 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 authentic pre-clarification.	

(We hereby declare that we have read and understood the above instructions for the purpose of tendering.)

Signature of Bidder with Seal



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Annexure -1

(Itemized Rates of Various Items for execution of any items not mentioned in the scope of work.)

M. No	Item	Unit	Rate
1	Excavation	CuM	
2	Sand Filling	CuM	
3	PCC (1:1:6)	CuM	
4	RCC (M-30) including shuttering & formwork	CuM	
5	Reinforcement works	Cr	
6	Brick Work with Fly Ash Brick in 1:6 Cement Mortar	CuM	
7	15mm thick Plaster in 1:6 Cement Mortar	Sq. M.	

Signature of Bidder with Seal



10-11-2016

SPECIAL CONDITIONS OF THE CONTRACT

1. Brief description of contract

Construction of Basement +2 storied School building (with provision for future expansion) in accordance with drawing issued by the Architect Consultant as per Clause No - 3 - Scope of work, and drawings as per directions & instructions given by the Client time to time including all Cost for Materials, all Cost of Manpower, Cost all Machinery, Tools and Plants, Contractor's Profit and Overhead. This 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 without any additional payment for any work that is not included in the client scope or exclusion list.

2. Mode of Measurement

- a) Sub-Structure : Basement Slab Area
- b) Super Structure : Floor Built-up Area including any elevational projections at slab level.
- c) Above Roof : Plan Area of Utility, LMR, OHT & Lift machine Room.

3. Approximate Measurable Built-up Area

a) Basement	2386.00 Sq.M. (25673 Sq.Ft)
b) Ground Floor	2800.00 Sq.M. (30128 Sq.Ft)
c) First Floor	2640.00 Sq.M. (28471 Sq.Ft)

4. Taxes & duties covered in Schedule of rates:

Schedule of rates shall be deemed to include and cover for all taxes, cess, levies, etc., including but not limited to E.S.I., W.C.T & P.T. for Labour, all types of education cess, transport charges, entry tax, Octroi, Salt tax, stamp duties etc., including GST & Labour Cess.

Any Statutory Variation in taxes and duties during the validity period or complete execution of the scope of work, like increase or decrease in taxes, duties, government levies, in the present taxation structure or introduction of additional taxes by the State /Central / Local Authorities, shall be 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 & installation except for those which are listed as "owner's scope" 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 W.O/Contract and Annexures attached hereto.

Contractor warrants that specification of material and equipment in the scope of contractor will pass on to the Client for approval and will be used after acceptance of Client.

Contractor shall be required to execute the work in co-ordination with the other



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

The following will be in the scope of Construction:

a. Sub-Structure:

- i. Excavation and Dewatering including Dressing and Compaction of soil base as required.
- ii. Drilling & installing cast in situ piles up to requisite depth including all concreting works and reinforcement work.
- iii. Sand filling & RCC below foundation.
- iv. All RCC work viz. pile cap, basement slab, RCC walls including Scaffolding & form work, placement of Reinforcement.
- v. Fly Ash brick work in foundation (wherever required) etc.
- vi. Proper curing of all concrete work & de-shuttering.
- vii. Backfilling around the periphery and disposal of surplus earth.
- viii. External Plaster (wherever required).

b. Super-Structure:

- i. All RCC Framed Structure work including Scaffolding & form work, placement of Reinforcement etc.
- ii. Proper curing of all concrete work & de-shuttering.
- iii. Fly Ash brick work with 2 mm RCC band in 75 mm / 100 mm thick wall with mullion / bed block for doorframes.
- iv. All RCC up stand parapet, columns, chaj, Lintel and all elevational projections.
- v. Installation of Door Frames.
- vi. Internal Plaster in wall and ceiling including providing Chicken/Fiber Mesh, at joints of brick work with RCC surface.
- vii. All above terrace structures, LMR, DMR.
- viii. External Plaster.
- ix. Construction of RCC columns is to be extended up to required height based upon Development Length of Reinforcement (3250mm Min.) above terrace roof for future extension, the cost of which may be included in the rates of 1st Floor and no extra payment shall be entertained.
- x. 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 no extra payment shall be entertained.

c. Finishing Works:

- i. Scaffolding & Fixing of MS Grills as per the detailed drawings.
- ii. Installation of door & windows along with all accessories.
- iii. Internal wall finishing works including putty, primer & painting works as per the finishing schedule.
- iv. Exterior wall finishing at all levels including primer & painting works.
- v. Terrace slab water proofing & grading.



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- v. Finishing works at site specification using vitrified tiles, ceramic tiles, granite, paver blocks & chequered tiles in specified areas including slating, floor cladding in toilet / kitchen walls etc. as per detail drawings.
- vi. Patching of wood works wherever provided.
- vii. Kitchen & pantry platform whenever indicated.
- vi. Plinth protection around the building as per the details.

d. Service Installation:

- i. Provisioning all internal electrical LT works including concealed or surface conduit, wiring to points, installation of Electrical Panel, SDBs, Circuit Breakers, light/ power & fan fixtures etc.
- ii. Provisioning suitable number of earthing points.
- iii. Power supply provision for AC points.
- iv. Integrating the power system with power supply main including all wires & cables.
- v. Provision for integrating the solar power system / power backup system with main power supply system (Cost of solar power installation / DG/ UPS etc. shall be in client's scope.)
- vi. Provisioning all water supply & plumbing system including overhead tank, connecting main from Bore well / UG, all supply main, branch distribution, controls & valves, point termination etc. (Cost of UG / Bore well etc. shall be in client's scope.)
- vii. Providing complete sewerage disposal system comprising of soil waste & waste water line including all branches & down corners, manhole & inspection chambers, connection to existing manhole for final disposal etc.
- viii. Providing of rainwater harvesting / handling system including all down corners, surface drains, etc. as per detailed drawings. (Cost of Recharge Pms. shall be in client's scope.)
- ix. Provisioning of all toilet fittings including traps, WCs, Basins, turrets, showers, towel rails / rings, soap case holders, mirrors trap etc.
- x. Complete water supply & sewerage disposal system for kitchens, other wash areas etc.

5. Finishing Schedule

S. No	Designation	Finishing
1. Common for all Rooms	Room Door Frame	WPC and Painted Pressed Steel door frames as per details.
	Window	Pressed Steel Wyndham (Sliding)
	Room Door Leaf	Laminated 32 mm thk. Flush doors
	Toilet Door Frame	WPC Door Frame
	Toilet Door	Factory Finished WPC door
	All Toilet Wall	The cladding upto 2250 mm height
2. Porch, Parking Area	a. Flooring- Chequered tile over PCC Sub Base- 1:3:6	
	b. Wall Finish - Two or More Coats of Weather coat over Primer Coat	



		c. Ceiling- Two or More Coats Acrylic Distemper Paints over Primer Coat.
3.	Staircase	a. Flooring-Granite in Tread, Riser and Landing b. Wall Finish – Two or More Coats of Weather coat over Primer Coat c. Ceiling- Two or More Coats Acrylic Distemper over Primer Coat d. Hand Rail SS 304 grade Hand Rail as per design.
4.	Class Rooms / Labs / Libraries	a. Flooring- Vitrified Tile-600 x 600 b. Wall Finish – Two or More Coats of acrylic emulsion paint over Primer Coat c. Ceiling- Two or More Coats Acrylic Emulsion Paints over Primer Coat
5.	Lift	a. Granite Cladding on Front Face & Door 500
6.	Principal Room / Conference /	a. Flooring- Vitrified Tile-600 x 600 b. Wall Finish – Two or More Coats of acrylic emulsion paint over Primer Coat c. Ceiling- Two or More Coats Acrylic Emulsion Paints over Primer Coat
7.	Barber Area	a. Flooring- Chequered Tile b. Wall Finish – Two or More Coats of acrylic emulsion paint over Primer Coat c. Ceiling- Two or More Coats Acrylic Emulsion Paints over Primer Coat d. Grab bar / Hand Rail SS 304 grade Hand Rail as per design.
8.	Common Toilets	a. Flooring- Polished flooring with upstroke ramp b. Floor Finish – Lin Polished Vitrified Tile-600 x 600 c. Wall Finish – Tile cladding upto 2250 mm Height & rest Two or More Coats of acrylic emulsion over Primer Coat d. Ceiling- Two or More Coats Acrylic distemper over Primer Coat Counter Basin with cantilever slab & granite top.

7. List of Makes / Brands

Sl.no.	Materials	Make
1.	BMC – (As per grade Specified)	Ultratech / ACC Using PSC or PPC cement
2.	PPC/PSC	Ultratech Super/Nil/VOCD
3.	White Portland Cement	Birla white, JK white
4.	Reinforcement bar / (Any primary Producer) structural steel (as per IS 1786)	Fe500D Tata/Indus/Birla / Captain Steel with Epoxy Coating confirming to IS 13620:2003
5.	Distemper	IC-Akashkheti / Asian Paints
6.	Water proof cement paint	Asian Paints / Snowpent India Ltd. / Tata Chemicals



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7.	Wall Paint	IC / Birla
8.	Synthetic enamel paint	Asian paints / ICI-Alkydol
9.	Weather coat	Asian paints / ICI-Alcohol
10.	Ceramic tiles / Vitrified tiles	Johnson / Kajaria
11.	White glazed tiles	Johnson / Kajaria
12.	Granite	Approved shade Min. 85mm Thick
13.	Chequered tile	Min. 25mm Thk. of Approved Make
14.	Paver tile	Min. 60mm Thk. of Approved Make
15.	Stair hand Rail	ISW 55 - 304 Grade steel
16.	Pressed Steel Windows	TATA Pravesh /Other Approved make
17.	Door Hinges	SS 316 - Yale / Osone
18.	uPVC door, windows, ventilators	Fenesta / Rexameric
19.	Floor spring for doors	Dorma / Godrej / Geet
20.	Locks	Godrej
21.	Door closer	Dorma / Godrej / Osone
22.	Sheet glass for windows	Saint Gobain
23.	Float glass	Saint Gobain
24.	Polycarbonate sheeting	DPI / Palram
25.	Wooden Door Frame	1 st Quality Sal Wood
26.	WPC Door Frame	Alionne / Sandesh having minimum bene-density of 900 kg/cum
27.	Wooden Doors	1 st Quality Teak Wood
28.	Ply Wood, Block Board	Green Ply conforming to IS-5539
29.	Flush door	Green/Gold conforming to IS-2202
30.	Decorative Laminate (Min 1.0 Thk.)	Marine Lam
31.	G.C.I. Sheet for roof	TATA, Hindal steel
32.	Gate valve / RCP	Zelio / Geet
33.	Water tank (pre)	Sintex / Oripaint
34.	uPVC pipe	Oriplast / Ashvavat
35.	CP Fittings	Jaguar
36.	Ceramic Fittings	Hindware
37.	GI pipe fittings	Tata / Hindal
38.	Electrical cable	Finsol / Havells
39.	Wire	Finsol / Havells
40.	MCB / MCCB	Siemens / Legrand / Havells
41.	Junction box	Legrand / Havells
42.	BLDC Fans	Havells / Orient Corporation
43.	Switches / Plugs / Power outlets	Legrand / Havells
44.	Light	Philips / Wipro / Havells

For any item not specifically mentioned in this list, the same shall be approved from the
institute / Architect, prior to procurement & execution.



B. Scope of Owner:

- a) Providing open space for establishment of stock yard, fabrication yard, godown, office, labor bungalows and establishment of plant and machinery inside the premises excluding cost of any development cost of such spaces.
- b) Providing temporary power outlet at existing power mains on monthly bill payment by the contractor.
- c) Providing temporary Water outlet at existing tapping main line with provision of sump by the contractor.
- d) To execute the Work which are related to scope of work of Contractor by appointing separate agencies for:
 - i. Anti-termite Works.
 - ii. Fire Fighting Works including fire sump & CHT.
 - iii. Solar PV Installation Works.
 - iv. Solar water / hot water generator (Except all plumbing works)
 - v. High tension power / substation works.
 - vi. Installation of DG.
 - vii. Drilling bore well.
 - viii. Works related to STP, WTP & UDR.
 - ix. Construction of garbage collection pits & Micro-compost units.
 - x. Rain water harvesting system & Recharge Pits (excluding terrace downcomer & connection IC).
 - xi. Site Development beyond building footprint.
 - xii. Compound Wall Works.
 - xiii. Development of Internal Roads & Pathways.
 - xiv. Campus & Periphery Lighting.
 - xv. Hardscaping & Landscaping Works.
 - xvi. Any sort of external elevation cladding work which purely for building facade decoration purpose.
 - xvii. Any local/ Govt. issues, etc. will be handled and managed by Client / owner.

C. Terms of Payment:

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

Work Stages	Stage of Completion	% of Tender Value
Work Stage-1	1.1 Foundation and Basement Works Completion of pile foundation including piling, pile caps, raft foundation, excavation, PCC, RCC works, reinforcement, formwork, testing, curing and all allied works, complete in all respects as per drawings and specifications.	20%
	1.2 Completion of basement structure including RCC walls, columns, slabs, beams, staircases, waterproofing treatment, internal finishing works, backfilling, compaction and all incidental works up to basement completion level, complete.	10%



		Sub-Total (Foundation + Basement)	30%
Mile Stone-2		Superstructure - Ground Floor Works	
2.1	Completion of RCC structural works of Ground Floor including columns, beams, slabs, staircases, lintels, chajjas, projections, reinforcement, shuttering 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, sleeves and inserts for Ground Floor, complete.	10%	
2.3	Completion of flooring, painting, polishing and installation of doors, windows and ventilators including fittings and fixtures for Ground Floor, complete.	5%	
2.4	Completion of all services installations including electrical wiring, plumbing, sanitary, sewerage, drainage and allied services for Ground Floor, tested and commissioned, complete.	10%	
	Sub-Total (Ground Floor Works)	35%	
Mile Stone-3		Superstructure - 1st Floor Works	
3.1	Completion of RCC structural works of 1st Floor including columns, beams, slabs, staircases, lintels, chajjas, projections, reinforcement, shuttering and curing, complete as per drawings and specifications.	15.0%	
3.2	Completion of brick masonry, internal and external plastering including all concealed works such as electrical conduits, plumbing lines, sleeves and inserts for 1st Floor, complete.	10%	
3.3	Completion of flooring, painting, polishing and installation of doors, windows and ventilators including fittings and fixtures for 1st Floor, complete.	5%	
3.4	Completion of all services installations including electrical wiring, plumbing, sanitary, sewerage, drainage and allied services for 1st Floor, tested and commissioned, complete.	10%	
	Sub-Total (1st Floor Works)	35%	
	TOTAL	100%	

- Detailed schedule of payment based on the above Milestones, further subdivided to each sub-activity is to be worked out upon finalization of the tender & will be a part of the final agreement.
- The above Milestone payments are indicative and actual payment are to be made proportionally to the extents of works actually executed at site after due certified joint measurement.



- c. The final payment, with respect to the above payments terms shall be made after deducting stipulated Mobilization advance and retention money, adjustment of Secured Material Advance (if any) and any other deductions to be made from every Running Bill on a pro-rata basis.
- b. All invoices shall be submitted to the Institute for approval and processing the release of payment.

16. **Retention Money:**
5% 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.

17. **Running Bill Certification:**
The Contractor shall prepare measured bills as directed by the Client (detailed measurement, abstract sheet, MTC, purchase bills, deviation statement for ongoing and completed work, materials reconciliation statement and any specific instructions which may be given in this 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. GST amount has to be clearly mentioned in the Tax invoice submitted along with the Running bill.

The Contractor shall submit all bills in the format approved (Hard & soft copies) by the client duly supported by detailed verified Measurements (as per IS model) /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 stipulated in this WO / contract.

Ad-hoc of up to 20% Payment of RA bill value as estimated by Client after preliminary scrutiny shall be released within 10 days of receiving the correct Interim invoice / RA Bill (including amongst others but not limited to all certified measurement sheets, proof of all compliances, deposits pertaining to labour emr, insurance, CST, PF, etc.) after the Project Manager's / Client's approval. Such Ad-hoc payments shall be fully recovered from the payment due against the same RA Bill after Final scrutiny. Balance amount shall be released after certification (in 30 days of receipt of RA Bill with complete information) of the Project Manager/ Client in case the Contractor feels that the certain Works for which payment due has not been certified in any monthly bill, the Contractor has to notify Project engineer, in writing, the said omission in the certificate within 10 days. The Contractor should include the said Works in his next RA Bill.



12. 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.

13. Extra Item:

Extra item shall be derived from the available contract items, wherever applicable. However for the items not available in the contract the rates for Extra Item / Non-Tendered 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 /or by 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 /or by theoretical analysis of labour utilization on the Work at prevailing Labour Rate.
- c. Cost for the use of any plant and machinery dedicatedly 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 all other costs like cost towards Power, Water & Tools/Tackles etc., and overhead and profit plus taxes as applicable except GST & Labour Costs (which will be paid extra). Contractor's overheads and profit shall not be allowed on free issue items.
- e. All applicable taxes (GST) and duties (Labour Costs) in respect of (a), (b), (c) & (d) above.

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

Rates for the extra item shall be preferably settled prior to commencement of these works but not later than 10 days after its commencement by the Contractor. However, if not settled prior to commencement of work, the assessment made by client shall be binding and accepted by contractor.

14. 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 detailed achieves 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.

15. Validity of the Order:

Prices are firm and fixed for the entire duration of project work completion and handover and shall remain valid till completion of the project as per completion schedule. There is no escalation of any kind applicable for the original scope since 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 include any period extended as a result of rectification of the work/charge 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 workmanship which arise 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 /Consultants 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 for approval of the Project Manager / Client and proceed with construction work. Working drawings are diagrammatic but shall be followed as closely as actual construction permits. Any deviations made shall be in conformity with the direction of the Project Manager / Client and with the prior approval of the Project Manager / Client.

- a. Architectural drawings shall take precedence over Structural drawings, which in turn shall take precedence over services drawings in regard to all dimensions.
- b. The Contractor shall verify all dimensions at 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 Directive & Instruction

Project Manager / Client /Architect may, at his absolute discretion and from time to time, issue further drawings and/ or verbal/written instructions, details, directions, & explanations, which are hereafter collectively referred to " Site Directive/ Site Instruction" in regard to:

- a. Variation or modification of the design, quality or quantity of Works or the addition or omission or substitution of any work.
- b. Any discrepancy in the drawings or between the Schedule of Quantities and/ or drawings and/ or specifications.
- c. Removal from the Site of any materials brought thereto by Contractor and the substitution of any other material, therefore.
- d. Removal and/ or re-execution of any work executed by Contractor.
- e. Dismissal from the Works of any persons employed therein.
- f. Opening up for inspection of any work covered up.



5. Amending and making good of any defects.

Contractor shall forthwith comply with and duly execute any work comprised in such "SITE DIRECTIVE/SITE INSTRUCTION" 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 by the contractor from the Project Manager / Client within seven days.

The Contractor shall maintain a Site Directive/ Site instruction file at the Site office. All instructions received from the Project Manager / Client/ Architect relating to the Work shall be retained in the file with sign and date. All costs pertaining to Extra Works done at site due to the changes or recorded in the instruction register, if has to be paid to the contractor, the bill shall be substantiated with copies of approval recorded in the book.

6. Co-ordination of Work:

At the commencement of the Work, and from time to time, the Contractor shall co-operate 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 / phases of the Project. The Contractor shall determine and ascertain from the Vendors and persons engaged on separate Contracts, in connection with the Project, the extent of all chasings, cutting and forming of all openings, holes, details of all inserts, sleeves, etc. that are required to accommodate the various services.

The Contractor shall determine and ascertain the routes of all services and positions of all floor and wall openings, cutters, traps, the details of all inserts, equipment and services and shall carry out the contruction and making good of all Works in accordance with and as shown, described and/or measured in the drawings, Specifications, and other Contract Documents. Also, the Contractor shall ensure that all required services, inserts, sleeves, embankment etc. are in place/position before he proceeds with his 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 authorised 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 reinforced 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 Architect/ Consultants, at which co-ordination will be discussed and minutes of actions proposed circulated.



20. Documents:

All document should be accompanied with the signed original documents i.e. Tax invoices, Challan, Test 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 nothing 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 in relation 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/ sewage disposal, 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 liaison with concerned departments limited 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 be tailoring for all audits 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 parts of 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 works. 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 as such in the WO such warranties are valid until the expiry of the warranty period. Evidence of the warranted qualities shall be provided by any possible acceptance test. 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



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and opportunity to do so. If such remedial works fail completely or in part, Client may do reasonable reduction in price, if however, the defects are so 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 supplier, if partial acceptance is economically not justifiable, terminate the WO / Contract in such event. Vendor shall be liable for reimbursement of the sum paid to it for the parts of the supply affected by the termination.

26. Quality:

Quality is of paramount importance Contractor shall carry out work to highest quality matching with international standards as approved by Client with strict compliance to all required in Standard/ Codes referring to the details as provided in the BOD / list of make / specifications in case of any discrepancy observed by the Client in the work done by the vendor will recalled / replaced immediately without any extra cost to Client.

Technical Performance: The scope of work executed shall be in strict conformity with the Technical Specifications specified in the WO / quote submitted and subsequent agreements between the Parties.

Codes and Standards: All required codes & standards detailed in the specification are to be adhered to. The work shall be completely furnished in all respects in accordance with the technical specification as per the acceptable codes & standards.

27. Unloading:

Contractor shall be responsible for unloading, stacking, storage of client supplier material at site as per the direction and entire satisfaction 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 unload the material safely and secure storage.

28. Accommodation & Material Storage:

Client will provide the land for Labour accommodations and the contractor will be responsible for making all arrangement in the designated land to build Labour hutment. Institute will give the space for material storages / site office. Contractor shall be responsible for making it lockable and Security for the same till handover. The store/ office can be shift from place to place during the course of execution as per the requirement on 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 hutment 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 premises to the contractor. Contractor shall be responsible to



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

If due to any reason Electricity is not be available, then Contractor has to arrange the same for lighting & testing purpose. At no circumstance work should not hamper due to lack of Electricity.

10. EHS:

Contractor shall follow the EHS requirements strictly. Contractor shall be required to maintain the site and surroundings in a neat and orderly manner free from debris and unwanted material. Construction debris, slush and unwanted material to be disposed off from site on daily basis without accumulating at site and not to cause hindrance to other scope of works. Location and neighborhood specific interventions, as outlined have to be implemented from the start.

Minimum PPE such as safety helmet, safety shoe / jambbot, reflector 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 keep 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, dewatered state with the agreed Infrastructure of pumps for dewatering mobilized from the start of works and made/ kept operational at all times along with back-up equipment, as per directions of Client. On completion of the Works, Contractor shall properly clean the Site and its surroundings.

11. CAR Policy:

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

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

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



32. Third Party Insurance including Cruse Liability:

Third Party insurance including Cruse Liability to cover for any damages to third party, to a limit of not less than Rs.1,000,000/- (Rupees Ten Lacs only) in each accident and to a limit of not less than Rs.25,000,000 (Rupees Two-Fifty Lacs only) for all accidents. The Policy shall be valid up to the end of the Defects Liability Period, including any extensions granted and shall include any damage to the properties including surrounding and adjacent properties and/or injury including death to the persons of the general public and anyone else deemed 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 to terms of this clause to the limit(s) specified.

Period of policies: All insurance covers mentioned above shall be kept valid during the completion period of Contract plus the defects liability period. Copies of said insurance Policies, in format approved by the Client, shall be lodged with the Client, or Client's authorized representative prior to Contractors start of Work on site.

33. 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 2006, Contract Labour(Regulation and Abolition) Act 1970 and other relevant Acts listed elsewhere to cover 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.

34. 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 his option, refuse payment of any amount payable to the Contractor until the Contractor complies with this condition.

35. Indemnity Bimbursement:

The contractor for this contract shall perpetually keep the Institute indemnified against all losses, defects, actions, claim, cause of action on any account whatsoever, and shall insure the constructed works against failure, fire, riots, civil commotion and natural 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.

36. Termination by Client:

Client shall be entitled to terminate the WO with and/or without cause. If Client terminates the WO with 'Cruse' then Client shall be entitled to seek refund of the advance amounts paid to Contractor in terms hereof. The termination is without prejudice to any rights or claims which may have accrued to Client prior to the date of termination.



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In the event of termination without cause, Client shall pay to the Contractor via/s any part of the Contractor remuneration which is accrued prior to the termination that has not been paid (including any unbilled fees for services provided or reimbursable 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 WO, whichever shall first occur, Contractor will deliver to Client (and will not keep in possession, recreate or deliver to anyone else) any and all devices, records, data, software, notes, reports, proposals, lists, correspondence, specifications, materials, equipment, other documents or property, or reproductions of any aforementioned items developed by Contractor pursuant to this WO or otherwise belonging to Client.

37. Termination by Contractor:

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

38. Non-Assignability:

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

39. Settlement of Disputes & Arbitration:

Decisions, directions, clarifications, measurements, drawings and certificates with respect to any matter the decision for which is specially provided for by these or other special conditions to be given and made by the Client's Representative or by the Project Manager are matters which are referred to hereinafter as exempted 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 same or on any other ground or for any reason and shall be without appeal. They shall be specifically excluded from the scope of arbitration proceedings hereinafter referred to.

Subject to the aforesaid in the event of any dispute or difference between the parties hereto 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 in as to the withholding by the Client of any certificate to which the Contractor may claim to be and entitled to or if the Client fails to make a decision within the aforesaid time, then and in any such case, but except in any of the aforesaid matters referred to in the above clause, the Contractor after 90 days of its presenting final claim on 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 provision as per the Arbitration and Conciliation Act 1996 shall apply to



such arbitration. The arbitration venue shall be at Bhubaneswar, Odisha. The procedure for the arbitration shall be determined by the arbitrator. Costs of such arbitration shall 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 reason of such matter, question or dispute being referred to arbitration, but shall proceed with the work with all due diligence and shall, until the decision of the arbitrator is given, abide by the decision of the Client and no award of the arbitrator shall relieve the Contractor of its obligation 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 affected by such award.

Contractor Indemnities 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 (Policies & 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/central government and municipal laws, regulations, standards, and codes. Contractor shall obtain all applicable permits, licenses, exemptions, consents 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 from time to time along with the RA Bill or as and when required by Client. The documents as per government norms such as specified below but not limited to:

- i. Labour registration in Odisha
- ii. Employees State Insurance
- iii. Provident Fund for workers
- iv. Medical / Health Insurance (if required)
- v. Third party Insurance Policy / CCR (Contractor's All Risk) Policy
- vi. Workmen Compensation Policy

41. Submittals by Contractor:

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

- i. Copy of all Policies, insurance and other applicable documents as per WO/ Contract.
- ii. Bar Chart & PERT chart before commencement of work and the progress chart during the course of work.



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4.2. Notices:

All notices, demands 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 to be followed by courier of international repute or registered post to be addressed to the intended recipient thereof at its address given in the WD or to such address as any Party may, from time to time, notify to the other Party in writing.

4.3. Special Notes:

- a) The contractor shall take the prior approval from Institute's Engineer/ Architect for subletting the job even if the same is to a specialised agency.
- b) In case Institute's Engineer/ Architect rejects a particular work the tenderer shall remove the same within two days and no 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 photocopy of Electrical Contractor's License at the time of execution of work. The copy of license of Electrical Supervisor and electricians also are to be submitted.
- d) The contractor shall submit the single line drawing of electrical installation/wiring of completed work along with the final bill.
- e) The contractor shall submit the Test Certificate of the electrical installations carried out by him as per requirement of local Electrical supply Authority, Indian Electricity 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/ offices/other areas/floors as the work is to be executed in working school.
- g) The Contractor shall depute one electrician and one helper during office hours to avoid any electrical breakdown in electrical installation.
- h) The contractor has to carry out the job strictly as per specification spelt out in the bill of quantities, the drawings, instructions that may be issued by the Engineer-in-charge and the specification 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 specification/bill of quantities may be taken as final.
- j) The work will be awarded to the Agency that has given the lowest rate (L-1).

Additionally, the L2 bidder will be asked to confirm if he can do the work at the



lowest rates quoted by L2. If the L2 gives a letter confirming that he is ready to carry out the work at the lowest rate (L1), then it can be considered to award the work to him also. The condition of this award of work to L2 on the rates of L1 will be as under:

- i. When L1 demes in writing that he does not have capacity to do the work.
- ii. When it is observed by Institute's Engineer/ Architect, that L1 has not completed more than 3 sites in time.
- iii. When defects are found in the work of L1.
- iv. When L1 does not take up the work as assigned within the stipulated time period as mentioned in the work order.



FORM OF TENDER

To,

Dear Sir,

Re: "Tender for Establishment of Basement +2 Storied School Building at Puri, 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 I/we have quoted for the items in the Schedule of Quantities.

I/we enclose demand draft for _____/- (Rupees _____ only) towards earnest money deposit for the execution of the works at my/ our tendered rates, together with any variations at later stage, should the work be awarded to me/ us.

In the event of this 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 forfeit the aforesaid deposit of _____/- (Rupees _____ only) in the event of our refusal or delay in 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 Royalties and all other applicable taxes prevailing and to be levied from time to time on such items for which the same are leviable 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 Institute may award Contracts to more than one Contractor and that I/ we shall make no claims whatsoever if Institute accepts only a part of my/ our tender. We unconditionally agree to Institute preconditions as stipulated in the tender documents.

Institute reserves the right to terminate our contract and forfeit the earnest money deposit paid by us in addition to recovery of all the dues by 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 disclosure in the Envelope No. 1 will disqualify me/ us without any further scrutiny.

I/we enclose herewith the completed tender documents duly signed in duplicate.

Yours truly,

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

Place:

Date:



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Specifications

Note:

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

Civil Work

SN	Item	Item Description
1	Demolition	<ol style="list-style-type: none">Demolition of cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge.Demolition brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.
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, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.
3	Under Plin Pile	Boring with hydraulic piling rigs with power units, providing and installing cast in situ double under reamed piles of specified diameter and length below pile cap in M-30 cement concrete, to carry a safe working load not less than specified, including the cost of steel reinforcement and cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete.
		Vertical load testing, Cyclic, vertical, lateral load testing of piles in accordance with IS: 2381 (Part- IV) at max. 3 no of points 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 tonne capacity pile.
4	Sand Filling	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.
5	PCC	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1 Cement: 3 coarse sand (zone-III) derived from natural sources: 6 graded stone aggregate 40 mm nominal size derived from natural sources)



6	Centering and Shuttering	Centering and shuttering of forms for placing the concrete shall be including strutting, propping etc. and removal of form for using Sheet Shuttering / Cuplock / Acro as prop & bracing and 12mm thick film faced shuttering ply (Gresil Hi-Mate), 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 it to the required lines or to ensure against deformation of the concrete by materials, caving or sloughing in adjacent surfaces left by excavation. Forms shall have sufficient strength to withstand the pressure resulting from placement and vibration of concrete and shall be maintained rigidly in correct position. Forms shall be substantial and unyielding so that concrete placed in them conform the design dimensions and contours. Forms shall be sufficiently tight to prevent leakage of mortar from concrete. Additional forms like shall be used as and when necessary and inclusive of necessary treatment or coating of forms. After the forms are erected before any concrete is placed, the forms shall be inspected for line, level and grade with respect to the structure, adequacy of bracing, base, form feet, keyways and openings, etc.
7	Concrete	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 403: to accelerate / retard setting of concrete, to improve durability and workability without impairing strength, including pumping of concrete to site of laying, curing, carriage for all loads, but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.
		Concrete of M30 grade with minimum cement content of 350 kg /cum
8	Brick Work	<ol style="list-style-type: none"> Brick work with non-modular fly ash bricks conforming to 15:12894, class designation 10 average compressive strength in Cement mortar 1:6 (1 cement: 6 Coarse sand) Half brick masonry with non-modular fly ash bricks conforming to 15:12894, class designation 10 average compressive strength in Cement mortar 1:4 (1 cement: 4 Coarse sand)
9	Internal Plastering	15mm thick cement plaster 1:6 (1 cement: 6 fine sand) over the internal wall surface including cost of all materials labour and T&P etc. complete.
10	External Plastering	15mm thick cement plaster to Outside wall surface in 1:6 (1 cement: 6 fine sand) cement mortar over the wall surface including cost of all materials labour and T&P etc. complete.
11	Ceiling Plaster	6mm thick cement plaster 1:3 over the RCC ceiling surface including cost of all materials labour and T&P etc. complete.



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12	Putty Works (Wherever Mentioned)	Providing and applying white cement-based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.
13	Cement Primer	Applying one coat of water thinnable cement primer of approved brand and manufacturer on wall surface.
14	Inside paint	
	a. Acrylic emulsion (Wherever Mentioned)	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/litre of approved brand and manufacturer, including applying additional coats wherever required to achieve even shade and colour.
	b. Acrylic Distemper (Wherever Mentioned)	Untempering with 1:1 quality acrylic distemper (ready mixed) having VOC content less than 50 grams/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour - two or more coats over and including water thinnable priming coat with cement.
15	Outside Painting	Finishing walls with Acrylic Smooth exterior paint of required shade. Two or more coat applied @ 1.67 litre/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm.
16	Enamel Paint	Painting M6 / Wood Work with synthetic enamel paint of approved brand and manufacturer of required colour to give an even shade (two or more coats) including a coat of apprived steel primer.
17	Flooring	
	a. Vitrified Tile	Providing and laying vitrified double charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand), pointing with grey cement slurry @ 1.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.
	b. Grouting (Wherever Mentioned)	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.
	c. Granite Flooring	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings, with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement: 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge (For Circourse / veranda / Staircase). Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent.



			8. Chequered tile Flooring on Ramp	Chequered precast cement concrete tiles 22 mm thick in ramp & portico area, jointed with neat cement slurry mixed 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). Dark shade pigment using ordinary cement.
			9. Ceramic Floor tile	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fawn Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.2 kg/ sq.m, including pointing the joints with white cement and matching pigments etc... complete.
			10. Ceramic Wall tile	Providing and laying 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in slirng, risers of steps and dado, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3) coarse sand), and jointing with grey cement slurry @ 1.8 kg per sq.m, including pointing in white cement mixed with pigment of matching shade complete.
18	WPC Frame	Door		Providing and laying factory made single extruded WPC (Wood Polymer Composite) door frames/Chowkath comprising of virgin PVC polymer of K value 5.8-6.0 (Suspension Grade), calcium carbonate and natural fibres (wood powder/ rice husk/wheat husk) and non-toxic additives (maximum toxicity index of 1.2 for 100 gms) fabricated with infrared joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/ cu.m, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 50 N/mm ² , modulus of elasticity 900 N/mm ² and resistance to spread of flame of Class A category with property of being termite/boiler proof, water/moisture proof and fire retardant and fixed in position with M.5 hold fast/lugs/SS dash fasteners of required dia. and length complete as per direction of Engineer-in-Charge. (M.5 hold fast/lugs or SS dash fasteners shall be paid for separately). Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e. depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.



19	Pressed Steel Door Frame	Providing and fixing pressed steel door frames conforming to IS: 4251, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base nos of 1.60 mm; pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge.
20	Flush Door	Providing and fixing IS marked flush door shutters conforming to IS : 2302 (Part 1) non-decoration type, core of block board construction with face of 1st class hard wood and well matched 3 ply veneering with vertical grain or cross band and face veneer on both faces of shutters: 32 mm thick including IS marked Stainless Steel butt hinges with necessary screws, hardware, locks, door closers, etc., & lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters along with 1.0mm thick decorative veneer on both faces.
21	Melamine Polish (Wherever Mentioned)	<p>Polishing in high gloss/matt finish melamine clear polish on wood work in required colour/wooden shade texture with following process in the sequence as detailed below:</p> <ol style="list-style-type: none"> 1. The surface to be polished is rubbed with sand paper 80/ 120 no. and then with sand paper of 180/180 no. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine filters to fill all the small and big holes/grooves etc. Filter coat 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. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. <p>The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 2 or 3 layers without gap of time.)</p>



22	WPC Door Panels (Wherever Mentioned)	Providing and fixing factory made single extruded 30.0 mm Thick WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and stabilizer additives (maximum toxicity index of 1.0 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/ borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 micron thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk 5.5 screws, all as per direction of Engineer-in- Charge. (Note: The item includes stainless steel butt hinges, necessary 5.5 screws and all necessary hardware.)
23	uPVC Window	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and such extruded profiles duly reinforced with 1.50 ± 0.2 mm thick galvanized mild steel suction made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, white pins, zinc alloy (white powder coated) touch sticks with base, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame in finished wall and necessary stainless steel screws etc. Profile of frame & such shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge.
24	Pressed Steel Window (TATA Pravesh Vista or equivalent)	Providing and fixing factory-made glazed windows with shutter outside 8 mm thick clear float/gum-ban glass made out of 1.0 mm thick GI sheet and polyester painted complete along with all fittings & fixtures. (TATA Pravesh Vista or equivalent).
25	MS Grill	Structural steel work in single section, fixed with or without connecting plate, including cutting, bolting, fixing in position and applying a priming coat of approved steel primer all complete.



26	Staircase Handrail	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, &c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge.
27	Plinth Protection	Making plinth protection 50mm thick of cement concrete 1:3:6 (1: cement: 3 coarse sand (zone-III) derived from natural sources, 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast, 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.
P.R. / Water Supply Work		
Sanitary Installations		
28	Waste Water / Soil Waste Pipe	Providing and fixing uPVC pipes of different dia as per IS class B (1.5.13593) in both horizontal & vertical stack & as per approved design, fixed by using approved bracket / lugs / Flugs / saddles/ Clamps etc. at regular intervals, including all bends, tees, sockets etc. & jointing with , adhesive, sealant, sealing, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.
29	Gully Trap	Providing and fixing square-mouth FRP / GRC gully trap complete with grating & brick masonry chamber with water tight FRP cover with frame of 300 x300 mm size (inside). With Fly Ash (non-modular) bricks of class designation 10
30	Manhole	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with B.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:9 mix (1 cement : 4 coarse sand (zone-III) : 9 graded stone aggregate 40 mm nominal size), inside plastering 17 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20-mm nominal size) finished with a floating coat of neat cement complete as per standard design ; Inside size 90x60 cm and 45 cm deep including FRP cover with frame #55x610 mm external dimensions. With Fly Ash (non-modular) bricks of class designation 10
31	Half stall urinal	Providing and fixing white vitreous China flat back half stall urinal of size 580x380x350 mm with Concealed Stop Cock flushing arrangement external, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with super grating and other couplings in C.P. brass, including painting of fittings and capping and making good the walls and floors wherever required.
32	Modesty Panel	Providing and fixing of moulded Granite modesty panels of size 1200 x 400 mm with rounded corners, in between urinals & embedded within wall.



33	WC	Providing and fixing white vitreous China extended wall mounting water closet of size 780x370x600 mm of approved shape including providing & fixing white PVC cistern with dual flush fitting, of flushing capacity 1 litre/ 6 litre (adjustable to 4 litre/ 8 litre), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.
34	Health Faucet	Providing and fixing of Hand Shower (Health Faucet) - Jaguar - ALD-573 with 10mm Dia, 1.2-Meter-Long Flexible Tube & Wall hook etc. all complete including all materials, labour etc. complete as per direction of Engineer in charge.
35	Toilet Fixtures	SS soap Dish Holder / Mirror at Basin Points as per detail
36	Wash Basin	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls whenever required. White Vitreous China Wash basin size 600x450 mm. Note: Arrangement for Counter top / bottom shall be provided as per the details. SS bottle trap shall be provided for all basins.
37	Towel Rail	Providing and fixing of Single Towel Rail Model - ACW-1111-SM, 600mm long Stainless Steel etc. all complete including all materials, labour etc. complete as per direction of Engineer in charge.
38	Shower Rose	Providing and fixing C.P. brass shower rose with 15- or 20-mm inlet 150 mm diameter (Jaguar Make).
39	Rain Water Pipe	Providing and fixing on wall face unthreaded rigid PVC rain water pipes conforming to IS : 13632 Type A, along with uPVC pipe clips including jointing with seal ring conforming to IS : 5302, having 10 mm gap for thermal expansion, (i) single socketed pipes.
40	Rain Water Pipe	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) FRP cover with frame 455x610 mm internal dimensions. R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:6:10 (1 cement : 6 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design. Inside dimensions: 455x610 mm and 45 cm deep for single pipe line. With fly ash (non-modular) bricks of class designation 10.
Water Supply		
41	OHT	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 13703 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fitting and the base support for tank.
42	CPVC Supply line	



a. Complete Work	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes of various diameter, having thermal stability for hot & cold-water supply, including all CPVC plain & brass threaded fittings, w/ fixing the pipe with clamp of 1.00 m tracing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the rest of cutting, tracing and making good the same including testing of joints complete as per direction of Engineer-in-Charge, including cutting, tracing and making good the walls etc.
b. CPVC Supply Line	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold-water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, tracing, refilling & testing of joints complete as per direction of Engineer-in-Charge.

Electrical Works

4.3 Wiring to Points

- a. Residual wiring light point/fan point/exhaust fan point/ Call bell point in 1.5 sq.mm. 7/8 PVC insulated single core multi-strand copper conductor of is marked with 20 mm. dia non-metallic PVC flexible conduct with 5 Amp. 250V modular type switch (is marked and coding rose is marked mounted on modular box having front modular cover of suitable size, modular box with 1.5 sq.mm. 7/8 PVC insulated single core multi-strand copper conductor as earth wire including all accessories and connection as per direction of engineer-in-charge. (Make of wire Finolex/ L&L/ Anchor/ Hawa/ HPU/ VGUARD)
- b. Supply of all required materials and wiring to modular type 20 AMP plug socket points with 2 (1x4 sq.mm.) PVC insulated copper wire run inside 19mm dia PVC/polythene conduit pipe laid on surface of wall/ceiling along with 1 (1x 2.5 sq.mm.) PVC insulated copper wire as earth continuity conductor complete in all respects including making good to the damages caused and complete as per the direction of Consultant and Engineer-in-Charge.
- c. Supply of all required materials and wiring to modular type 15A socket outlet with 16-20A DOL starter for AC with termination of 2 (1x4 sq.mm.) PVC insulated copper wire run inside 19mm dia PVC/polythene conduit pipe laid on surface of wall/ceiling along with 1 (1x 2.5 sq.mm.) PVC insulated copper wire as earth continuity conductor including making good to the damages caused and complete as per the direction of Consultant and Engineer-in-Charge.
- d. Supply and fixing of Modular metal box on surface of H rooms with suitable size of modular cover in front including providing and fixing of 6Amp plug with 5Amp modular switch connection and 15Amp modular switch connection as per requirement.
- e. Supplying & fixing of modular switch / socket / regulator / Call bell push, TV socket, Telephone socket etc.



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44	Distribution Box	Supply, delivery, installation, testing and commissioning of L.T. indoor wall/floor mounted type distribution boards as per design made out of 2mm thick CI sheet metal duty acid treated, primed and painted with 2 coats of enamel paint of approved shade, having hinged door and compartmental arrangement for each equipment and barrier chamber on the top of the panel running horizontal throughout its length duty dust, damp and vermin proof having provision for cable/conduit entry, earthing stud as per specification mentioned below, duty factory wired conforming to the relevant IS and as per special conditions of contract and making good the damages caused complete as per direction of Consultant or Engineer-in-charge.
45	Submain Wiring	<ul style="list-style-type: none"> a. Required wiring to submain with 202.5 sq.mm. 1.1 KV PVC insulated, single core multistrand copper wire of IS marked conforming to IS-694 / 1990 in 20mm dia non-metallic flexible conduit heavy duty. Conforming to IS-6946 / 1973 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. (from DB to AC points) b. Required wiring to submain with 224sq. mm. 1.1 KV PVC insulated, single core multistrand copper wire of IS marked, conforming to IS - 694 /1990 in 20mm. Dia non-metallic flexible conduit heavy duty conforming to IS-6946 /1973 and earth continuity with 1x 2.5sq.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. (from MCB to AC points) c. Required wiring to submain with 4 x 6 sq.mm. 1.1 KV PVC insulated, single core multistrand copper wire of IS marked, conforming to IS - 694 /1990 in 20mm. Dia non-metallic flexible conduit heavy duty conforming to IS-6946 /1973 and earth continuity with 1x 4.0 sq.mm. dia 1.1 KV PVC insulated single core multistrand copper wire complete with all accessories and connections.
46	Main Incoming	Supply, delivery, laying and end termination of different sizes PVC insulated, PVC sheathed, armoured aluminum conductor cable of 1150 volt grade (4-Core / 2-Core) laid directly under ground/on surface of wall/column/existing RCC/ masonry / through G.I. or Hume pipe as the case may be including excavation of earth in all kinds of soil and rock, sand cushioning, brick, protective covering, back filling the trench, and termination but excluding the cost of GI pipe / Hume pipe complete as per direction of engineer-in-charge or consultant.
47	Earthing	<ul style="list-style-type: none"> a. Supply of materials, laying underground / wall/ floor, making and termination and testing of 25 x 3 mm GI strip to be laid from the mainpanel to subpanel / RCB as per direction of Engineer-in-charge or Consultant.



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- b. Supply of all required materials installation of maintenance free earth electrode made out of 40 mm dia class 'H' G.I. Pipe of 3.0 meter long with arrangements for fitting / termination of G.I. flat / Wire with soil, water passing arrangements, brick masonry enclosure on top with removal G.I. cover with chemical soil and complete with labour for excavation of pit conforming to IS : 3042/1987 and as per direction of Consultant or Engineer-in-charge.

48 Data Networking

- a. Supply and fixing of information box suitable for RJ-45 / dual type RJ-45 terminals including mounting box (PVC / PVC) and top cover to be fixed in concealed manner in partition by necessary bolts & nuts as directed at site (MAKE Digi-Link/ AMP/ HCL)
- b. Supply and laying of E-CAT 5 UTP Cable for the data through the existing PVC / MS conduit. Rate to include for termination on either end as directed (Make D-Link, HCL)

50 Lightning Protection

- a. Supply and fixing earthing with G.I. earth pipe 3mm dia 40 mm dia IS marked including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per requirement & including standard earthing as per Govt. Specifications, providing and fixing 30mm x 6mm G.I. strip
- b. Providing and fixing of lightning conductor finial made 25mm dia 300 mm long, G.I. tube, having single prong at top, with 5mm dia 6mm thick G.I. base plate including holes etc. complete as required.
- c. P/Providing and fixing of fitting joint, made of 20mm x 3mm thick G.I. strip, 125mm long with 4 nos. of G.I. bolts, check nut and spring washer complete as required.

51 FITTING & FIXTURES

(internal building)

- a. Supply, fixing of LED tube light (make Havells / Phillips)
- b. Supply, fixing of LED bulb on fitting with all connection (make Havells / Phillips)
- c. Supply of Ceiling fan 1200mm rotary BLDC ceiling fan



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