

TENDER DOCUMENTS

FOR D.A.V. PUBLIC SCHOOL, BAKHARI, BIHAR.

ASSISTANT REGIONAL OFFICER - SHRI KAMAL KISHORE SINHA

**REGIONAL OFFICE, DAV PUBLIC SCHOOLS, BIHAR ZONE - D,
C/O- BR DAV PUBLIC SCHOOL, IOCL, REFINERY TOWNSHIP, BEGUSARAI
BIHAR - 851117**

MANAGER - SHRI NIRAJ KUMAR SINGH

**REGIONAL OFFICE, DAV PUBLIC SCHOOLS, BIHAR ZONE - G,
C/O- DAV PUBLIC SCHOOL, HARPUR AILOTH, SAMASTIPUR, BIHAR -
848101**

**CONSTRUCTION SITE:- D.A.V. PUBLIC SCHOOL, RAILWAY STATION
ROAD, BAKHARI, BEGUSARAI**

**ARCHITECT: MR. RAVI KAPOOR
KAPOOR AND ASSOCIATES, ARCHITECTS, ENGINEERS,
COMPUTER-AIDED DESIGN, 100-B, PATLIPUTRA COLONY,
NEAR NOTRE DAME ACADEMY, OPPOSITE P & M MALL, PATNA - 800013**

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**D.A.V. PUBLIC SCHOOL,
RAILWAY STATION ROAD, BAKHARI, BEGUSARAI**

TENDER NOTICE

DAV Public School, Railway Station Road, Bakhri, Begusarai on behalf of DAV CMC, New Delhi invites sealed tenders from interested eligible construction companies for construction/ miscellaneous work at DAV Public School, Railway Station Road, Bakhri, Begusarai such as Boundary Wall, Gates, Guard Room with Toilet and Tubewell as per drawing and design of architect and approved by DAV College Managing Committee, New Delhi against the terms & conditions mentioned below:-

1. The lowest quoted rate/ tender will be selected by the competent authority/ Building sub-committee.
2. Offered rates are negotiable.
3. Standard quality materials be used.
4. The Work must be completed within 04 months from the date of allotment of the said work.
5. Sealed quotations be sent to the Headmaster, DAV Public School, Railway Station Road, Bakhri, Begusarai (Bihar), Pin Code- 848201.
6. Drawing, design and specifications provided by the Architect should be studied properly before submitting the bid (technical bid / financial bid).
7. The details of the work to be done is available in the school's website i.e www.davpsbakhri.in.
8. Interested parties are requested to visit DAV Public School, Railway Station Road, Bakhri, Begusarai site if they wish, before quoting the rates.
9. Technical bid should be submitted on or before 03/03/2022 through email davbakhribgs@gmail.com
10. Information regarding selection and rejection of technical bid will be intimated through mail.
11. Last date for submitting the sealed financial bid (By post or by Hand) will be 03/03/2022. After that no entry will be accepted.
12. The financial bid will be opened on 05/03/2022 at Regional Office, DAV Public Schools, Bihar Zone-D, C/o BR DAV Public School, Refinery Township, (IOCL), Begusarai at 11:30 a.m.
13. The competent authority/ Building Sub-Committee reserves the right to accept or reject any of the tenders without assigning any reason.
14. All payments by the employer under the contract/ agreement will be made by mutual understanding on submission of running bill and has to be approved by the designated Architect.
15. The defect and liability period shall be for 12 months. 10% of final approved bill amount of the contractors shall be retained as retention money upto 12 months from the date of handing over.

Headmaster

Manager

Asstt. Regional Officer

INSTRUCTIONS TO TENDERERS

1. The tender will be received in two-bid system i.e (i) Technical bid & (ii) Financial bid in sealed separate envelope. Technical bid envelope will contain all the required documents except B.O.Q. Financial bid envelope will contain only the issued B.O.Q. mentioning the rate. The tender documents shall be duly filled in and signed by the tenderer and shall be addressed in sealed cover. The full name and address of the Tenderer and name of work shall be written on cover.
2. All entries in the tender documents shall be clearly written and shall be in ink and in English. Corrections if any, shall be clearly made and duly signed and dated by the tenderer. Erasures and over writing shall not be permitted and shall render the tender liable to rejection.
3. The tenderer shall sign each and every page of the tender documents including the drawings attached hereto.
4. Unit rates shall be quoted in figure with reference to each items in the attached Bills of Quantities. These rates shall be for the finished work at site.
5. Any error in description of terms in the Bill of Quantities or any omission therefrom shall not vitiate the contract or release the contractor from his obligations of the whole or any part of the works comprised therein or from any of his obligations under the contract. Any error in the rates in the Bill of Quantities shall be corrected in accordance with the following rules.
 - (i) All errors in totaling, in the amount, columns and carrying forward, total shall be corrected.
 - (ii) In case the amount in words and figure differ, the lowest will be taken as correct.
6. In coating the rates, the tenderer is advised to take into account the all taxes levied by Central or State Government, statutory or other local bodies. If any other tax is levied on works, this will also be allowed provided documentary record is produced.
7. Before tendering, the tenderer is advised to inspect the site of works and its environment and shall be acquainted with actual working and other prevalent conditions, position of materials and labor, condition of contracts, drawing and specifications and all other documents which form part of the agreement.
8. The contractor will make his all arrangements to obtain all materials required for the work. The owner will only make the applications to full fill the formalities, if necessary, in procurement of any material for the work. The contractor will be responsible for collection of materials at his cost from dealers or suppliers against the release order, if any, furnished by the employer to the contractor.

9. The tenderer shall give his previous experience for having carried out works of similar nature in the last 5 years.
10. Tenderer will give the details of plant and machinery, details of technical staff and work in hand. These should be furnished in the proforma in separate sheet.
11. Tenderers shall along with their tender submit the following:
- a. Deviations if any from the tender specifications.
 - b. Supplementary details required for the evaluation of the tender like drawings, technical detailing etc.
 - c. Certificate from the scheduled bank to prove their financial ability to under take the work.
 - d. Proof for technical and organization ability to execute the work in its various aspect.
 - e. The organization pattern that will be employed and the names of the qualified Engineers who will be employed together with their qualifications and experience.
 - f. Income-tax clearance certificate.
 - g. Partnership deed/company profile.
 - h. Power of Attorney.
12. Each tender shall be signed by the tenderer with his usual signature. Tender by partnership or Hindu joint family firm may be signed in the firm's name by one of the partners or manager as the case may be or any other duly authorized representative followed by the names and designation of the person so signing. An attested copy of the partnership deed must accompany the tender of any partnership. Tender by a company shall be signed with the name of company by person authorized in this behalf and a power of attorney or other satisfactory proof showing the persons signing the tender document on behalf of the company duly authorized to do so shall accompany the tender.
13. Receipts of payment on behalf of work must be signed by authorized person of the firm or partners.
14. The owner inviting the tenders shall have full right to reject all or any tender without assigning any reason and shall not be bound to accept the lowest tender.
15. The tenderer shall sign the declaration with the official for maintaining the secrecy of tender documents, drawings or any other record. The unsuccessful tenderer shall return all the drawings.

ARTICLES OF AGREEMENT

This AGREEMENT is made on this -----day of -----2022 between DAV PUBLIC SCHOOL, BAKHARI, NEAR RAILWAY STATION ROAD, BEGUSARAI (here in after called as "**Owner**") of the one part and M/s. -----having their registered office at -----

(herein after called "**the Contractor**") of the other part.

WHEREAS the OWNER is desirous of constructing the Boundary Wall on the land of the school and has caused the drawings, specifications and the schedule of quantities, describing the work to be done, prepared by **M/S** Kapoor And Associates, Architects, Engineers, Computer-Aided Design, 100B, Patliputra Colony, Near Notre Dame Academy, Opposite P & M Mall, Patna - 800013 (hereinafter referred as the **Architect**)

AND WHEREAS the said drawings, specifications and schedule of quantities and other documents forming part of this contract have been signed by or on behalf of the parties here to.

WHEREAS the CONTRACTOR has agreed to execute and complete the works as per the drawings, specifications and Schedule of Quantities at the running feet rate of Rs.----- hereinafter referred to as "**the contract amount**" to the entire satisfaction of the OWNER and ARCHITECT.

It is a contract to carry out the construction of the boundary wall for which payment will be made according to the actual measured quantities and rates indicated in the attached BOQ/running feet rate. (The quantities mentioned in the attached schedule are only approximate and liable to variation).

1. The contractor hereby understands that time is the essence of contract and agrees to complete the construction of the boundary wall within **04 months**, since commencement/ taking over of the site. If the delay is caused beyond the control of the CONTRACTOR, the OWNER/ARCHITECT shall grant such extra time as may be necessary for completion.
2. Penalty clause for the delay will be levied @ Rs.-----per week or part thereof.
3. The progress of the work should be uniform and if the quantity of work or progress is not satisfactory, the OWNER can terminate the CONTRACT and settle the account of contractor for the work done. However, the CONTRACTOR is not eligible for any compensation for the unexecuted works.
4. The CONTRACTOR is responsible for the welfare of the labourers engaged by him and any damage claimed by the labourers in case of any accident or otherwise is to be paid by the CONTRACTOR.
5. The OWNER/ARCHITECT reserves the right to appoint another agency and proceed with the work whether or not the amount due to the CONTRACTOR is settled immediately, provided the measurements have been taken and accepted by both the parties. In settling the bill the OWNER reserves the right to deduct part of the above, if the workmanship is inferior or suffered damage on account of the lapse of the CONTRACTOR.

6. The OWNER has the power to award some of the items or part of the items of the works to other agencies.

7. The CONTRACTOR shall execute the works as per the plans approved by the OWNER/ ARCHITECT and as per the specifications indicated in their quotations and in the schedule attached. In case of any discrepancy or ambiguity, the CONTRACTOR has to consult the OWNER/ARCHITECT before executing the work.

8. Any Technical dispute arising out of the agreement shall be referred to the "ARCHITECT" **M/S Kapoor And Associates**, Patna or arbitration will be called. The decision of the arbitrator will be binding on both the parties.

9. Water and electricity for the construction work will be provided by the employer and 1.0% of cost of construction will be deducted from the passed bill of CONTRACTOR.

10. All payments by OWNER under the contract will be made by mutual understanding and bill approved by the "ARCHITECT" M/S Kapoor And Associates, Patna - 800013

11. The defects liability period shall be for 12 months after entire boundary has been fully completed and handed over to the owner. 10% of the payment of contractor shall be retained up to twelve months from the date of handing over fully completed boundary.

12. The CONTRACTOR should use only the best available materials and they should conform

to Indian standard specifications. The quantities included in the schedule are only approximate and no extra rates will be allowed due to any changes in quantities.

13. The CONTRACTOR has to arrange all the materials to be used for the said construction at their own but has to ensure the used materials should be of approved & good quality. No additional payment will be paid by the owner against carriage, cartage etc.

14. The OWNER reserves the right of addition and alteration or omitting any item of works without prejudice of this contract.

15. The all parts of the ARTICLE OF AGREEMENT has been fully read and understand.

OWNER'S SIGN.

CONTRACTOR'S SIGN

WITNESS:

1.

2.

MEMORANDUM

To,
The Headmaster,
D.A.V. Public School,
Near Railway Station, Bakhari,
Begusarai, Bihar.

Ref:- Tender for construction of Boundary Wall, Gates, Guard Room, Toilet and Tubewell
for D.A.V. Public School, Bakhari, Begusarai, Bihar.

Respected Sir/Madam

We have thoroughly verified the tender documents related to construction of above mentioned work. We are hereby filling up tender for the construction of above entire work as per specifications, drawings and design within specified time and rates specified in BOQ and in accordance with terms and condition of contract as specified in memorandum.

MEMORANDUM

- | | |
|---|--|
| 1. Name of work:- | Construction of Boundary Wall, Gates, Guard Room, Toilet and Tubewell at DAV Bakhari, Bihar |
| 2. Estimated Cost
Civil, Electrical, P.H.E. | Rs. ----- |
| 3. Earnest money | 1% of Estimated cost |
| 4. Security Money | 5% of Estimated cost (from R.Bill deduction) |
| 5. Retention money | 10% of total certified bill up to 12 months from hand over |
| 6. Construction time | 4 months from 15 th days of finalization of tender |

I agreed hereby to abide by and full fill the all terms and conditions of the said work as mentioned in the tender documents. In case of default, owner can forfeit the money as mentioned in the said conditions.

If I/we fail to commence the work specified in the memorandum, owner can forfeit the earnest money without prejudice to any other right or remedy or the said earnest money can be retained by towards security deposit in both cases of acceptance of full and part tender.

In the event of tender being accepted, I/We agree to enter into an agreement as and when required and execute the contract as per agreement and complete the work within time limit. In case of default I hereby agree to forfeit my aforesaid deposit.

I/We agree hereby not to sublet the contract without the permission of Owner/Architect. I/We agree hereby to pay the all taxes to the Government, insurance and other taxes as per prevailing from time to time which are included in rates quoted by me.

DECLARATION

I/ We hereby declare that I/We shall treat the tender documents, drawings and other records as secret confidential documents. Failing so, I will bear punishment as decided by the owner.

Contractor's signature

Address

Place----- Date.-----

Witness:- 1

2.-----

The above tender is accepted hereby by me for sum of Rs.------(Rupees -----
-----) dated the ----- day of ----- 20 ..

Owner's signature.

TERMS AND CONDITIONS FOR CONTRACT

Registration:-

1. A person/firm shall have to be registered with Central Govt./State Govt./an agency of National repute/ concerned Zone of DAV Public School. Decision taken in this regard by concerned Zone will be full and final.

Qualifications:-

1. A person/firm engaged in building construction activities.
2. A person or group of person having qualification of Civil Engineering/ Architecture/ Town planning.
3. A person/firm having updated contract's license for building construction from concerned government department.
4. A person/firm having updated valid Pan number from concerned government department.
5. A person/firm having updated Service tax number from concerned government department.
6. A person/firm having updated TIN number from concerned government department.
7. A person/firm having updated VAT number from concerned government department.
8. A person/firm having updated labor license from concerned government department.
9. A person/firm having updated GST number from concerned government department.

Duties and responsibilities of contractor:-

1. A person/firm shall appoint qualified civil engineer at site to carry out the work as per approved drawings, design, specifications and agreement .
2. A person/firm shall not cause or allow any deviations from the approved drawings until written permission from the concerned authority is obtained. A person/firm shall bear responsibility for any irregularity committed in the use and function of the buildings or its part during execution of the project.
3. A person/firm shall provide certificate for structural stability of construction alongwith adequate protection against fire hazards likely from installation of services like electrical installation, plumbing, drainage, sanitation, water supply, fire fighting etc.
4. A person/firm shall hand over the fully constructed Boundary Wall, Gates, Guard Room, Toilet and Tubewell to concerned one within agreed time of construction, failing so shall be charged penalty as per agreement.
5. A person/firm shall be responsible for its own construction material at site for its safety.
6. A person/firm shall construct shed for storage of material and labor at its own cost at allotted place by school.

Commencement of work:-

From the 15th day after acceptance of tender the work will have to be started by the contractor.

Defects liability period:- 12 months.

Security Deposit:- 5% of the value of work

Agreed liquidated:- 0.5% of the accepted damages for delay contract sum per week of delay subject to maximum of S.D. amount.

Final Measurement Time :- 1 month

Extension of Time:- Contractor will have to apply in writing within 30 days of any hindrance in execution of work for extension of time to the Architect. Cause of hindrance will be discussed with owner and if he is convinced with the case, extension of time will be granted.

Completion certificate:- Contractor will issue notice of completion within 10 days of completion of work to the owner. Within 30 days of such notice, Architect will verify the work, and if there is no defect in such work, certificate of completion will be issued to contractor, other wise no completion or provisional certificate of completion will issued. Also work will not be considered final. Payment will be made at reduced rat. After completion of work, contractor will have to remove all his belongings, rubbish, surplus materials and cleaning of dirt on or before the completion date. Failing so, the Architect may at the expense of the contractor will get removed such scaffoldings, surplus materials and rubbish etc. and contractor will have no claim except for any sum actually realized by the sale of afore said.

Work standard:- Contractor will execute the whole and every part of the work as per specification, drawing and design furnished.

Alteration in drawings and specification:- The owner shall have right to make any alteration, addition, omission and substitution in drawing, design, instruction and specification, which appears necessary. The contractor shall carry out the work in accordance of such instruction which may be given to him in writing signed by Architect. Cost of such additions and alterations shall be decided on the actual work done or similar class of work done or on the rate of agreement on the basis of SOR Patna. In case of non schedule items market rate will be taken into account.

For minor changes, no extra payment will be given to contractor. The extension of time of completion will be decided as per additions or alteration to be done.

Tools and Plants:- The contractor will provide all tools, plants, appliances, ladder, mixer, vibrator etc. related to construction work. The contractor will arrange his own labor with the means and materials for weighing, counting, setting out works and assisting in measurement. Failing so, the owner will provide for doing the same at the cost of contractor.

Damage control:- In case any part of building, road, kerb, fence, water pipe, cable, drain, telephone, wire, tree, shrubs, grass etc. gets damaged by contractor's people or if any defects, shrinkage or other faults appear in the work within 12 months after completion, contractor will make the same good at his own cost. Other wise amount will be deducted from the security money or from the bank guarantee.

Measurement of work:- Before taking any measurement related to bill, contractor will be given week time notice. If the contractor fails to attend such measurement after such notice, then in such case the measurement taken by the Architect/by the representative as the case may be, shall be final and binding on the contractor.
Contractor will have no right to dispute the same.

Dismissal of workman:- The contractor on the instruction of Owner/Architect will immediately remove his working person, who may in the opinion of the Owner/Architect be unsuitable or incompetent. For such loss no compensation will be given.

Insurance against fire. Earth quake:- The contractor shall insure the work till completion of work due to loss by fire, earthquake, flood, cyclone, riots etc. The insurance will be placed with company in the joint name of owner and contractor, Owner being the first beneficiary. The amount of premium, renewal will be paid by the contractor and the receipt of the premium will be deposited within 21 days to the Owner from the date of issue of work order. Failing so, the Owner will proceed for insurance and amount will deducted from the contractor.

Sublet of work:- The contractor shall not sublet or assign the contract without the written permission of Architect/Owner. In case contractor is found doing so, or become insolvent or commence any insolvency proceedings, if any bribe, gratuity, gift, loan, reward, or any of his servants or agent promise or offer to any public officer or person in the employ of the Owners, contractor will be penalized for that and even he can be black listed by the owner.

Arbitration:- All disputes related to drawing, specification, quality of work man ship, materials, bill etc. will be settled by Achitect or arbitration will be called by the Owner. Contractor is allowed for calling arbitration within 90 days of intimation related to payment ready from the owner. Decision taken by the arbitrator will be final and binding on both the parties.

Lump sum estimate:- In case of lump sum based tender in respect of parts of the work, the contractor shall be entitled for payment for the work involved. If the part of the work in question is not to be measurable, Architect at his discretion can pay the lump sum amount entered in the estimate.

Payment:-

Mode of payment for construction will be as per agreement depending on school. Contractor for payment, will be eligible only after verification of running bills/final bill of work done by concerned architect of the work.

Taxes:-

- 1. Deduction of TDS and all taxes will be applicable as per prevailing government rules and regulations.*
- 2. GST is the liability of contractor. School will not make any payment for that.*

Retention money:-

- 1. "Retention money" of 10% of the total amount of certified bill will be kept up to 12 months of defects liability period and shall be released only after making rectification of defects, if any, during this period. An equivalent amount of "Bank Guarantee" in approved format can also be accepted for the same period as "Retention money".*

Important Notes:-

- 1. DAV Public Schools may debar or black list the contractor depending upon quality of work done or performance.*

TECHNICAL SPECIFICATIONS

All civil work materials shall be of good quality and ISI mark and execution of each and every item of works shall be carried out as per BIS, NBC & C.P.W.D. specifications.

1. GENERAL NOTES :--

- (i) Standard specifications will be followed and no extra payment will be given for minor changes as / site condition.
- (ii) Deviation from drawing and specification will not be accepted until and unless it is allowed and properly signed by competent authority.
- (iii) The rate for each items of work in BOQ, unless expressed, stated shall include the cost of :-
 - (a) - All materials, labours, accessories, appliances, tools, plant, transportation, loading unloading, lifting, handling/double handling, taxes, wastage, disposal of debris, incidentals if any, shuttering, centering and contract's profit etc. complete to complete the item of work as per drawing and specifications.
 - (b) - In case of items specifications, which is not mentioned, standard specification of C.P.W.D. shall be followed.
 - (c) - In case of conflict related to BOQ or any other documents etc. the interception of Architect shall be final and binding.
 - (d) - The quantities mentioned in the B.O.Q. are provisional. The employer/owner reserves the right to increase/decrease the quantity of work or totally omit the work and the contractor shall be paid for the actual quantity of work done as per contract rates.
 - (e) - The rates of all items will be filled up in ink.
 - (f) - All measurements shall be carried out in accordance with IS: 1200 (Latest edition)

2. WATER & POWER :--For construction related activities, school shall make an arrangement for supply of water and power to the contractor and 1.0% of construction cost will be deducted from the the bill passed to the contractor.

3. DEFECT LIABILITY :-- 12 months is the defects liability period, which will be counted after fully completed, occupied and handing over of the building. 10% amount will be retained for 12 months and if any kind of defects occur during that, Contractor will be responsible to make correction free of cost otherwise amount will be deducted from 10% retained amount .

4. DISINFECTION OF PIPING SYSTEM & STORAGE TANK:- Before commissioning the water supply, the contractor shall make the water supply system disinfected. Thoroughly mixed sufficient chemical shall be used to give the water a close of 50 parts of chlorine to one million parts of the water. In case of ordinary bleaching powder, to 1000 liters of water, the powder shall be mixed with water to creamy consistency before being added to water in storage tank. When the storage tank is full, the supply shall be stopped and all the taps on the distributing pipes will open successively.

All tapes will be closed after chlorinated water is completely discharged. The same process will be repeated with adding more disinfecting chemicals and water will be discharged after 3 hours completely. Complete tank and pipe will be cleaned with water before using water for domestic purpose.

5. MATERIAL :—

(i) **Sand:--** Sand for various constructional purposes shall comply in all respects with IS: 2116. It shall be clean, coarse, hard and strong, sharp, durable, uncoated, free from any mixture of clay, salt, dust, vegetable matters, mica, iron impurities, soft flaky etc. Only good quality of sand from Sone, Batane, Ganga river will be acceptable.

(ii) **Water :--** For mixing and curing only good quality of potable water will be utilized for construction. Acid, alkalis, salty and impurity like sugar, organic matters water containing chemicals will not be utilized.

(iii) **Stone ;--** The coarse aggregate shall be in accordance with IS: 383. It should be free from all impurities. The size of concrete shall be 20 mm down. It should be from Pakur, Karwandia, Sasaram.

(iv) **Bricks:-** Only 1st class Bricks of standard size and shape will be utilized. It will have uniform color, thoroughly burnt but not over burnt. Bricks should produce ringing sound when two bricks are struck. Bricks should not absorb more than 20% of water when immersed in water up to 24 hours.

(v) **Cement:-** ISI Mark Good quality 33/43 grade PPC/PSC Cement of Lafarge, ACC, Birla Gold, Bangur, Prism will be used.

(vi) **Steel:-** ISI Mark SD (Tata, sail, Jindal) TMT 500 bars will be used. Other ISI Mark Steel of proper dia will be used only in case of unavailability.

(vii) **Construction equipment :--** Mixer, Vibrators, cutter, drilling machine will be utilized for effective and good qualities of construction.

(viii) **Shuttering :--** For columns casting steel shuttering is mandatory. For slabs and beams casting steel 14 gauge shuttering/ 12 mm thick ply board shuttering will be utilized.

(ix) **Centering** :- 3" dia Iron pipes / 4" dia ballies, solid bamboos will be used for centering with spacing of 1 to 1.2 meter.

6. GENERAL NOTES :--

- (iv) Standard specifications will be followed and no extra payment will be given for minor changes as / site condition.
- (v) Deviation from drawing and specification will not be accepted until and unless it is allowed and properly signed by competent authority.
- (vi) The rate for each items of work in BOQ, unless expressed, stated shall include the cost of :-
 - (a) - All materials, labours, accessories, appliances, tools, plant, transportation, loading unloading, lifting, handling/double handling, taxes, wastage, disposal of debris, incidentals if any, shuttering, centering and contract's profit etc. complete to complete the item of work as per drawing and specifications.
 - (b) - In case of item specifications, which is not mentioned, standard specification of C.P.W.D. shall be followed.
 - (c) - In case of conflict related to BOQ or any other documents etc. the interception of Architect shall be final and binding.
 - (d) - The quantities mentioned in the B.O.Q. are provisional. The employer / owner reserves the right to increase / decrease the quantity of work or totally omit the work and the contractor shall be paid for the actual quantity of work done as per contract rates.
 - (e) - The rates of all items will be filled up in ink.
 - (f) - All measurements shall be carried out in accordance with IS: 1200 (Latest edition)

CERTIFICATE FOR EXECUTION OF WORK BY CONTRACTOR

OF D.A.V. PUBLIC SCHOOL

From,

To,

This is to certify that the building work of erection, re-erection or making additions and alteration of -----D.A.V. PUBLIC SCHOOL ,located at -----
---khata no. -----Plot No. -----Ward no. -----
-----Dist. -----Bihar has been constructed by us strictly in accordance with the norms and standards set by C.P.W.D. / P.W.D. specifications, BIS, N.B.C. Codes and the drawings, design supplied by the School / it's Architects/it's Engineers.

It is also certified that the workmanship, curing, quality of materials like bricks, stone, sand, cement, steel etc.(type of grade) are of good quality and as per relevant codes/ specifications.

It is also certified that at no places, neither leaner mix of concrete / Cement mortar / Plaster etc., nor lesser reinforcement has been utilized than specified.

It is also certified that at every stage our own Technically Qualified Engineers have supervised the construction work and are responsible for the entire work carried out as per the drawings, designs, specifications supplied to us.

We also indemnify the School / it's Architects / it's Engineers against any damage caused due to any deficiencies on our part.

With warm regards

Signature of contractor

Place:--

Name :--

Date;--

Designation :--

R. BILL MODE OF PAYMENT FOR D.A.V. PUBLIC SCHOOL

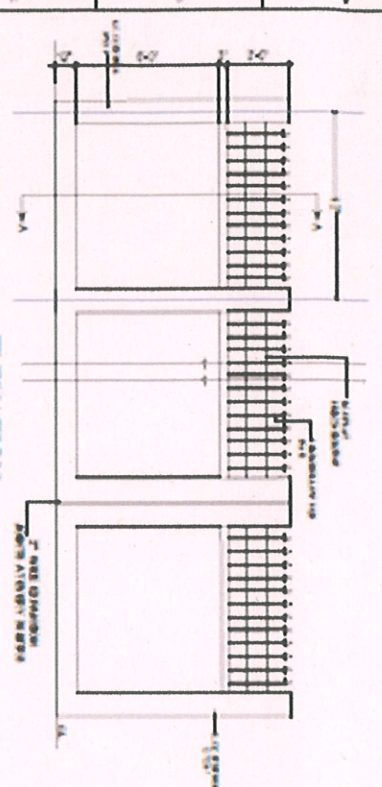
COMPOUND WALL (100%)

STAGE OF PAYMENT

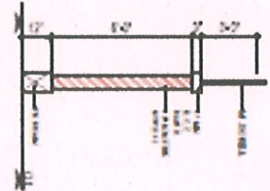
COMPOUND WALL

- | | |
|---|-------|
| 1. UptoGrade beam all work complete | = 30% |
| 2. Column, Brick work and ring beam etc. all complete up to top level | = 55% |
| 3. Plaster work complete inside and out side | = 10% |
| 4. Painting work complete inside and out side | = 5% |

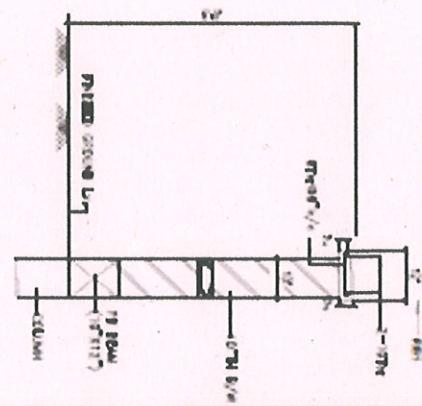
Total	= 100%
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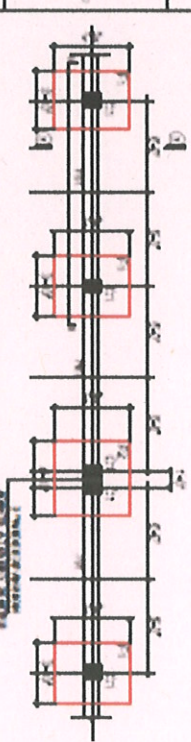
ELEVATION



SECTION A-A



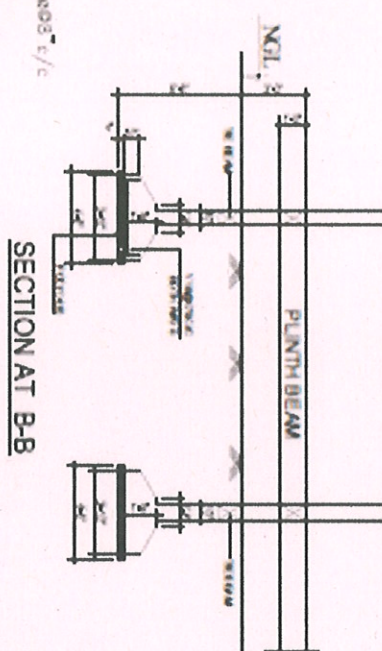
SECTION B-B



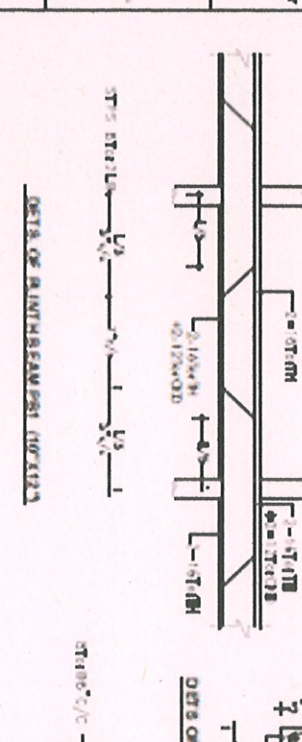
FOUNDATION PLAN



DETAILS OF RCC BEAM AND COLUMN JOINTS



SECTION A-T THROUGH STIFFENERS



DETAILS OF RCC BEAM AND COLUMN JOINTS



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<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>ISSUED FOR ESTIMATE</td> <td>10/10/2023</td> </tr> </table>		NO.	DESCRIPTION	DATE	1	ISSUED FOR ESTIMATE	10/10/2023	<p>FOR ESTIMATE</p> <table border="1"> <tr> <td>NO.</td> <td>DESCRIPTION</td> <td>DATE</td> </tr> <tr> <td>1</td> <td>ISSUED FOR ESTIMATE</td> <td>10/10/2023</td> </tr> </table>	NO.	DESCRIPTION	DATE	1	ISSUED FOR ESTIMATE	10/10/2023
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<p>PROJECT DATA</p> <p>PROJECT NAME: K&A</p> <p>PROJECT ADDRESS: K&A</p> <p>PROJECT LOCATION: K&A</p>		<p>DESIGNER'S SIGNATURE</p> <p>DATE</p>												

K A P O O R A N D A S S O C I A T E S

Ravi Kapoor B.Arch, Chd, M.Arch, IIT-KGP, M.Arch & U.D Washington Univ. USA

Kishore Kapoor B.Arch(Hons) chd. M.Arch, Univ. of Illinois, USA

Vineeta Kapoor B.Arch (Hons) Chandigarh

Anupama Kapoor B.Arch, Chandigarh

Architects, Engineers, Computer-Aided Design

100-B, Patliputra Colony, Near Notre Dame Academy

Opposite P&M Mall, PATNA-800 013

Tel: 0612-2267175, Fax: 0612-2275624

Email: contact@kapoors.biz

BILL OF QUANTITY FOR BOUNDARY WALL WITH GUARD ROOM & GATE

AT DAV PUBLIC SCHOOL, BAKHRI, BEGUSARAI

BASED ON S.O.R. B.C.D.GOV. OF BIHAR EFFECTIVE FROM 01/07/2020/MR

SI No	Item	Description	Unit	Total Qty.	Rate	Amount
1	2.8	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) 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.				
	2.8.1	All kinds of soil	Cum	673.07		
2	2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering lead	Cum	-219.25		
3	2.27	Extra for every additional lift of 1.5 m or part thereof in :				
	2.27.1	Ali kinds of soil.	Cum	216.83		
4	2.28	Supplying and Filling in plinth with local sand and under floors including watering, ramming consolidating and dressing complete.	cum	23.67		

5	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering , taxes , royalty as per building specification of E/I ,	sqm	365.06		
6	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level:				
	4.1.3	1:2:4(1 Cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size)	cum	36.71		
7	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for:				
	4.3.1	Foundations, footings, bases for columns	Sqm	180.81		
8	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and including retard setting of concrete, improve workability without impairing strength and admixtures in recommended proportions as per IS: 9103 to accelerate, reinforcement, durability as per direction of Engineer-in-charge. Note:- Cement content considered in this item is @ 330 kg/cum. Excess or less cement used as per design mix is payable or recoverable separately.				
	5.33.1	All work up to plinth level	cum	182.47		
	5.33.2	All work from plinth level upto floor V level	cum	63.43		
9	5.9	Centring and shuttering including strutting, propping etc. and removal of form for.				
	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	Sqm	183.50		
	5.9.3	Suspended floors, roots, landings, balconies and access platform.	Sqm	17.09		

	5.9.5	Lintels, beams, plinth bams, griders, bressumers and contilevers.	Sqm	731.24		
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	482.44		
10	5.29	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia	Kg	8978.08		
	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia	Kg	3520.81		
	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia	Kg	8869.10		
	5.22.7D	Thermo-Mechanically Treated bars TMTC-500-16mm dia	Kg	4283.67		
11	6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :				
	6.1.14A	Cement mortar 1:6(1 cement:6 coarse sand)	cum	299.22		
12	6.3A	Extra for Brick work in superstructure above plinth level upto floor V Level	cum	222.33		
13	13.13	20 mm cement plaster of mix ;				
	13.13.2	1: 4(1 cement: 4 coarse sand)	Sqm	2679.69		
14	13.80A.2	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	91.42		
15	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade				
	13.46.1	New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	Sqm	2679.69		
16	10.32	Steel work welded in built up sections/framed work including cutting hoisting, rixing in position and applying a priming coat of approved steel primer using structural steel, etc. as required.				
	10.32.2	In gratings, frames, guard bar, ladders, railings, brackts. gates &	Kg	10829.70		

		similar works.				
17	13.94	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
	13.94.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	Sqm	613.70		
18	10.36	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, i/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, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	kg	82.80		
19		Construction of Guard Room with all complete as per direction of E/I.	S.Ft	450.00		
		TOTAL				
