



JAWAHAR VIDYA MANDIR
SHYAMALI, RANCHI – 834002

AFF.NO.-3430004
School No.:-08055
Ph.:2411221, 2411665

जवाहर विद्या मंदिर, श्यामली, राँची - 834002

No. JVM/OT-12 /2023-24

Date: 31-03-2024

INVITATION TO TENDER

Principal, JVM invites tender for the subject given below. Salient feature are given in the table and detail of scope of work and tender conditions are given in the 'Invitation to tender' dated 31-03-2024 enclosed herewith.

Sub : Construction of New Toilet Blocks for Sr. Secondary, Lower Primary, Secondary and Visitors at Jawahar Vidya Mandir Shyamali Ranchi.

Salient Features of the Invitation to Tender

1	Tender Enquiry No. & Date	JVM/OT-12 /2023-24 Date: 31-03-2024
2	Project Description	Construction of New Toilet Blocks for Sr. Secondary, Lower Primary, Secondary and Visitors at Jawahar Vidya Mandir Shyamali Ranchi. DRG. No. MEC/11/48/9116/JVM/TB-01 DRG. No. MEC/11/48/9116/JVM/TB-02 DRG. No. MEC/11/48/9116/JVM/TB-03 DRG. No. MEC/11/48/9116/JVM/TB-04
3	Date of floating of on-line Tender	31-03-2024
4	Last date & time of submission of tender document	15-04-2024 by 01.00 PM
5	Date & Time of Opening of Tender	15-04-2024 at 04.00 PM .
6	Validity of tender	06 (Six) months from the date of opening of Techno-Commercial part of the tender document.
7	Project Completion Time	12 (Twelve) months from the date of issue of work order.
8	Earnest Money Deposit	Rs. 4,50,000/- (Four lakhs Fifty thousand Only)
9	Cost of the tender document	Rs. 2000/- (Two Thousand Only)

Jana
31/03/2024
(SAMARJIT JANA)

PRINCIPAL

Samarjit Jana

Principal

Jawahar Vidya Mandir
Shyamali, Ranchi-2.

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ANNEXURE-I

Dated: 31-03-2024

INVITATION TO TENDER

Sub: Tender for Construction of New Toilet Blocks for Sr. Secondary, Lower Primary, Secondary and Visitors at Jawahar Vidya Mandir Shyamali Ranchi

Sealed tenders are invited for **Construction of New Toilet Blocks for Sr. Secondary, Lower Primary, Secondary and Visitors at Jawahar Vidya Mandir Shyamali Ranchi**, as per the Technical Specification attached as, from experienced and eligible Contractor who have executed similar nature of work as per eligibility criteria and satisfying all the terms and conditions.

1.0 Instructions to Tenderer


- 1.1 Tenderers are advised to go through the entire documents completely before quoting for the tender.
- 1.2 Tenders are invited in a two bid system comprising of Part A- Techno-commercial Bid & Part B - Price Bid.

The 'Techno- commercial Bid' will be made and put in the first envelope containing the title '**Techno-Commercial Bid**'. This shall include full information as required in Techno Commercial Bid Declaration by the Bidder as per Annexure-I.

The 'Price Bid' will be made and put in the second envelope containing the title '**Price Bid**'. It shall include full information as required in price schedule format- Annexure II.

Both the bids shall be put in the third envelope which should be prominently super-scribed as "for **Construction of New Toilet Blocks for Sr. Secondary, Lower Primary, Secondary and Visitors at Jawahar Vidya Mandir Shyamali Ranchi,**", and shall be submitted on or before **15.04.2024** till **1.00 PM**.

The scheduled time for opening of tenders shall be 4.00 PM IST on 15-04-2024.

- 1.3 Tenders received after due date and time mentioned above, as well as those received without separate sealed envelopes as specified above will not be accepted.
- 1.4 Incomplete tender in any respect or conditional tender will not be accepted.
- 1.5 The bidder shall submit all the pages of ITT documents duly signed and stamped. 


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2.0 Eligibility Criteria

Part A : Techno- Commercial Bid

2.1 TECHNICAL

Technical Eligibility Criteria for the above work shall be as follows:

The Bidder, as sole should have experience of having executed / completed similar works (as defined below) of the following magnitude during last 7 years ending on last day of the preceding month in which this tender is floated.

1. At least one completed similar work (as defined below) having value not less than
INR 1.13 Crores
OR

2. At least two completed similar works (as defined below) having value not less than
INR 90.0 Lakh each.

OR

3. At least three completed similar works (as defined below) having value not less than
INR 67.50 Lakh each.

In case bidder has executed work of larger value in a longer duration, portion of work executed during qualifying period of last five years shall be considered. In case the work is in progress, value of work executed during the qualifying period shall be considered.

Definition of Similar work

Supply and Construction of RCC Framed Building including finishing work, sanitary and plumbing work, Electrical work on turnkey or item rate basis in single work Order.

2.2 Documents to be submitted

The bidder shall submit self-attested copy of the following document issued by client:

1. Letter of award / Work Order.
2. Completion certificate indicating cost of executed work & scope of work (as mentioned in similar works) executed during the qualifying period.
3. In case of reference of an on- going work or work of longer duration, copy of certified and paid last RA bill / final bill shall be furnished with proof of certification / passing and payment by the client.

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2.3 Financial Eligibility Criteria

2.3.1 The average annual financial turnover of the Bidder during last (3) three consecutive financial years ending 31st March 2023 shall not be less than Rs 2.25 crores.

2.3.2 Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is equal to or more than the total bid value. The available bid capacity will be calculated as under:

Accessed available bid capacity is equal to: $(A * M * N) - B$

where, A = Maximum turn over in any one year during last 5 years ending with FY 2022-23.

N = No. of years prescribed for completion of work i.e. 1.0

M=2

B=Value of existing commitment and ongoing works to be completed during proposed proposal of completion of work.

Note: Declaration to be submitted by the bidder indicating the value of Existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed in the declaration.

The same firm offering Bids for more than NIT of JVM, the price part of the responsive bidder will be opened in descending order of the project cost starting from the highest. Bid capacity of a bidder will be considered against their bid submitted. In case a bidder becomes L-1 bidder in one NIT of JVM, then its bid capacity will be re-assessed for the next bid of JVM opted by the bidder by adding the L-1 quoted cost of the bidder of the NIT in which the bidder is L-1 to the current commitments portion defined as "B" above. However, in no case, further price part will be opened if the bidder is declared L-1 in three NIT of JVM.

The bidder shall submit self-attested copies of the following:

1. Copy of Audited Annual Financial Reports for last 3 (three) consecutive financial years ending 31st March 2023 (Balance Sheet and Profit & Loss Account).
2. Chartered Accountant's certificate with UDIN no., in Original, may be submitted to substantiate the above financial eligibility.

The documents furnished by Bidders for establishing their financial eligibility should clearly indicate the details of the Membership No., Firm No. of the Chartered Accountant.

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3. Chartered Accountant's certificate with UDIN no., in Original to be submitted by the bidder indicating the value of Existing commitments as on 31.03.2023 including on-going pending works i.e balance work to be done as on 31.03.2023 as well as the stipulated period of completion remaining for each of the works as per work order and in case of extension provided the extended completion date also.

The documents furnished by Bidders for establishing their financial eligibility should clearly indicate the details of the Membership No., Firm No. of the Chartered Accountant.

2.4 Commercial:

The bidder shall submit self-attested copies of the following:

1. Cover letter of Tender detailing list of contents in the bid document being submitted by the Bidder.
2. Un-priced Price schedule as per format enclosed with tender document indicating 'quoted' in price column.
3. Signed & Stamped copy of terms and conditions of the contract
4. Copy of GST Registration Certificate with valid GST registration no. and PAN details
5. Bidder must be registered in PF and ESIC, and also to submit proof of remittance proceedings last financial year.

2.5 Earnest Money Deposit:

All the tenders shall be accompanied by EMD (Earnest money deposit) of Rs. 4,50,000/- (Rs Four lakhs fifty thousand only) payable to '**Jawahar Vidya Mandir, Shyamali Ranchi**' in the form of demand draft.

Tenders received without EMD are liable to be rejected. EMD shall be refunded to successful bidder after execution of work and to unsuccessful bidder after finalization of work order.

2.6 Cost of the Tender:

The Bidder shall submit a non-refundable cost of the tender- **Rs.2000/- (Two thousand only)** in the form of a Demand draft drawn on any Nationalized/ Schedule Bank in favour of '**Jawahar Vidya Mandir, Shyamali Ranchi**'.

PART B: Price Part

2.7 Price Schedule:

- a. Bidder shall submit their Price bid strictly as per the Price Schedule Format- Annexure II provided along-with this bid document. Price submitted by Bidder in any other format shall render their offer invalid and shall not be considered for evaluation.

- b. There shall be no change or addition/ deletion except for filling-up of the actual price/ rate in the Price part submitted in Part – B

Samanjit Jaiswal

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Jawahar Vidya Mandir

Vice-Principal

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- C. Price part shall contain rate and cost against all items of BOQ and total cost indicating incidence of tax (rates), if any, as per enclosed price format without any terms & conditions.
- d. Any change in Price Schedule format shall be notified through corrigendum/addendum and the same shall be considered for submission of price bid. In case Bidders have already submitted their bid before publishing of corrigendum/addendum related to change in price schedule format, the bidders are requested to re-submit price bid as per the changed Price Schedule format. Failure to re-submit the bid in such case may lead to auto rejection of the bid by the system.
- e. Bidder must quote against all the items in Price Schedule enclosed with this tender. Part quotation (Part Order) is not acceptable for this package.

The bidder shall quote increment/ decrement percentage (%) on the declared estimated total basic price given in the Price Schedule of the tender. The increment/ decrement percentage (%) indicated above shall be equally applicable on all the items of Price Schedule. In case bidders indicate "No Change", price against all the individual items as indicated in the Price Schedule shall remain unaltered

- f. In case of Tie among lowest bidders, the L-1 bidder shall be decided through lottery among all the bidders whose quoted price is lowest. Decision of tendering authority shall be final & binding to all parties

IF A FIRM FILING TENDER DOES NOT FULFILS ALL OR ANY OF THE ABOVE ELIGIBILITY CRITERIA MENTIONED ABOVE, THE TENDER OF THE FIRM WILL NOT BE CONSIDERED.

3.0 SCOPE OF WORK:

Sl. No.	Description	Type &Quantity
1.	Construction of New Toilet Blocks for Sr. Secondary, Lower Primary, Secondary and Visitors at Jawahar Vidya Mandir Shyamali Ranchi,,"	As per items described and listed in the enclosed Bill of Quantity (BOQ) and as per the enclosed tender drawing. DRG. No. MEC/11/48/9116/JVM/TB-01 DRG. No. MEC/11/48/9116/JVM/TB-02 DRG. No. MEC/11/48/9116/JVM/TB-03 DRG. No. MEC/11/48/9116/JVM/TB-04

The **Construction of New Toilet Blocks for Sr. Secondary, Lower Primary, Secondary and Visitors at Jawahar Vidya Mandir Shyamali Ranchi,,"** shall be carried out as per CPWD specifications. Civil, Electrical and Sanitary- Plumbing works complete in all respect as per Construction Drawings and items mentioned in the BOQ.

4.0 PRICE

The Tenderer shall quote for the items indicated above on for JVM, Shyamali, Ranchi basis. The quoted price shall be firm and binding and shall not be subject to

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any variation whatsoever on any account till completion of supply. All applicable taxes & duties shall be indicated separately. (Un-priced copy of Price Bid indicating "quoted" against each item should be submitted along with Techno-commercial bid).

5.0 TAXES & DUTIES

Except as otherwise specifically provided in the order, the Tenderer shall bear and pay all taxes, duties, levies as charges for the subject work.

6.0 VALIDITY OF RATES

The rate quoted by the Tenderer shall remain valid for a period of 12 (Twelve) months from the date of opening of quotation.

7.0 TIME SCHEDULE

The successful Tenderer shall be required to complete the job within 12 (Twelve) **months** from the date of receipt of order.

8.0 PAYMENT TERMS (as per SCC)

The payment shall be released on submission of R.A Bill by Contractor duly certified by Supervisor / Engineer in-charge of JVM Shyamali.

9.0 INSPECTION:

The inspection of materials shall be carried out by JVM after receipt of materials at construction site.

In the event the supplied material is not conforming to the ordering specification and Preferred make / brand, the material so supplied will be rejected without paying any price/ compensation. The decision of Engineer in-charge, JVM in this regard will be final.

10.0 LIQUIDATED DAMAGES:

Time and date stipulated in the Contract for completion of delivery shall be deemed to be the important activity of the Contract. If, however, the Tenderer fails to fulfill the completion within the time schedule, or within such extended time schedule as may be further granted, the Tenderer shall be liable to pay as Liquidated Damages (LD) and by not way of penalty a sum of 0.5% of the contract price per week of delay or part thereof, and such liquidated damages shall be limited to a maximum ceiling of 5% of the Contract Price.

11.0 ACCEPTANCE OF ORDER:

JVM is not bound to accept lowest or any tender or to assign reasons whatsoever for non-acceptance. JVM also reserves the right to cancel the tender without assigning any reason whatsoever.

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12.0 EVALUATION OF TENDER:

Tenderer should quote for all the items as per enclosed price bid format (Annexure-II). Part offer or incomplete offer shall be liable to be rejected. Price of the techno-commercially eligible tenderer shall be evaluated on overall basis.

13.0 NO CLAIM OR COMPENSATION FOR SUBMISSION OF TENDER:

The Tenderer whose Tender is not accepted shall not be entitled to claim any costs, charges, expenses of and incidental to or incurred by him through or in connection with his submission of Tender, even though JVM may elect to withdraw the Invitation of Tender.

14.0 TRANSIT INSURANCE:

Tenderer shall arrange transit insurance on his own and at his own cost for transportation of material and equipment to JVM, Ranchi.

15.0 NEGLIGENCE, DEFAULT AND RISK PURCHASE:

If the Tenderer fails to execute the work with due diligence or expedition or shall refuse or neglect to comply with any order given to him in writing by JVM in Contract, JVM may give notice in writing to the Tenderer calling upon him to make good the failure, neglect or contravention within such time as may be deemed reasonable and in default of the compliance with the said notice, JVM without prejudice to its rights under the Contract, may rescind or cancel the Contract holding the Tenderer liable for the damages that JVM may sustain in this regard.

16.0 SUSPENSION AND TERMINATION

JVM may at any time temporarily stop the work under the Contract or any part thereof by serving notice in writing to the Tenderer. Work so suspended shall be resumed by the Tenderer on receipt of instructions from JVM in writing. JVM will not be liable to the Tenderer for any damage or loss caused by such period of suspension of work. JVM will be at liberty to terminate the Contract without prejudicing its right and affecting the obligations of the Tenderer by giving 15 days' notice in writing in case when a) If the Tenderer fails to comply with the provisions of the Contract and b) If the Tenderer is involved in any action involving moral turpitude.

17.0 ARBITRATION

Any disputes, differences, whatsoever, arising between the parties, the arbitration shall be governed and regulated in all respect according to Laws of India. The Arbitration proceedings in case of other Indian companies shall be regulated and

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governed by Indian Arbitration and Conciliation Act 1996, or such modification thereof. The venue of arbitration proceeding shall be Ranchi. Work under this Order shall be continued by the Tenderer during the arbitration proceedings, unless otherwise directed in writing by PURCHASER or unless matter is such that the work cannot possibly be continued until the decision of the arbitrator is obtained. The tenderers are requested to confirm acceptance of all terms & conditions as per tender enquiry.

18.0 EXTRA ITEM

It is compulsory on the part of the Tenderer to execute any number of items which are not mentioned in the Bill of quantities but are necessary to execute the work in totality.

In case of above, Tenderer shall obtain prior permission from Engineer in charge, JVM for procurement and execution of such items.

Rates of such items shall be fixed as per following.

- Where the extra work are of similar character or executed under similar conditions as any of work appearing in the Bill of quantities, then the rates for such items shall be derived from the contract rates of similar / closest item of work.
- Where the nature of extra work is such that the rate for the same cannot be derived as per above method then the rate shall be as per CPWD Schedule of rates (latest version) applicable to the contract plus minus tendered percentage, where appropriate.
- However if the nature of extra work is such that the rates cannot be derived from above said both the methods. Then Rate analysis as per market rates shall be done with applicable overheads & Contractor profit as per CPWD norms.

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JVM, PRINCIPAL

Samarjit Jana

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GENERAL CONDITION OF CONTRACT (G.C.C.)

1. scope of work shall include all workers, suppliers and services for completion of entire work .
2. The contractor shall have own site office, stores, godown as may required for carrying out the subject work.
3. Provision of all labours, skilled, semi-skilled, as may be required to complete the work.
4. Providing adequate tools, instruments, tackles, scaffolding etc. for completion of entire work.
5. Procurement of all the materials, as may be required for carrying out the work.
Abide by statutory regulations, labours rules, safety codes during execution of work.
6. Abiding by all statutory obligations including ESI, EPF etc . during execution of work and shall submit all evidence in this respect such as ESI, EPF certificates and minimum wage certificate along with each and every bill.
7. Contractor shall make arrangement at his own cost for drawing and distributing water and power from single point each where water and power will be provided by JVM free of cost.
8. worker engaged by agency will not have any claim for payment employment in JVM. The age limit of worker shall be between 19 yrs. and 60 yrs.
9. Rate of wage shall not be less than the minimum wages plus prevailing percentage of EPF, FP, ESI, EDLI, Bonus etc. as required under the law.
10. Agency shall ensure fulfillment of al labour regulations/rules under the Labour Act and all other statutory requirement of Government of India and Government of Jharkhand.
11. Monthly bill based on actual deployment of worker shall be submitted by Agency statutory payment) viz. EPF, FP, ESI,EDLI, bonus etc.) including taxes payable if any.
12. Unit rates of all the items shall remain firm, fixed and binding on the contractor during entire period of execution of work and shall not be subjected to any variation whatsoever on any account.
13. This being a unit rate contract, the payment shall however be released against actual quotations of work however be released against actual quantities of work executed duly certified by the JVM.
14. Unless otherwise specified, measurement of work shall be carried out at site jointly by JVM & Contractor.
15. The contractor shall not sublet / sub contract the whole or any part of work failing which the contract may be terminated.
16. No completion certificate shall be issued or shall be work be considered to be complete until the contractor removes from the site all scaffolding, surplus materials, rubbish etc.
17. Defect Liability Period: The contractor guarantees that for a period of 6 (six) months commencing from the date of completion. He shall undertake reconstruction rectification, replacement of all regular schedule work and any other work to make good the faulty work as stated by JVM for period of 06 (six) months from the date of issue of Completion certificate.
18. The contractor shall have a valid labour license and shall also maintain al records/ register/return/cards under state contract labour (R&A) rules act such as :-
 - i) Register of workmen employed by contractor : Form - 9
 - ii) Employment card : Form – 10
 - iii) Muster roll : Form - 12
 - iv) Register of wages-cum-muster roll : Form - 13
 - v) Wage slip : Form – 15
 - vi) Register of over time : Form – 19

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vii) Submission of Return in Form – 20

19. JVM also reserves the right to cancel the tender without assigning any reasons for the same. In such event JVM shall return the Earnest money deposit.

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Special condition of contract (S.C.C.)

1. This being a Rate Contract, the quantities of item given in BOQ are approximate and subject to vary to any extent and shall not form a basis of dispute for the rates to be paid or to raise any claim for compensation on any account.
2. The building regulations of the safety code shall have to be strictly followed by the contractors.
3. Terms of payment: 95% value bill / ax invoice shall be paid within (15) fifteen days after completion of work on submission of correct and complete certified document as mentioned below. Contractor shall submit Bill in triplicate along with measurement sheet/ abstract of the quantity being executed by the contractor at site, Income Tax Registration no. (PAN) and GST regn. no. Invoice shall be raised per per GST rules

Document to be submitted alongwith tax invoice:

- i. Measurement sheet duly signed by Contractor and certified by JVM site engineer/JVM representative and concerned engineer.
- ii. Abstract of measurement sheet and work done till previous bill, the running and cumulative quantities certified by JVM site representative and concerned engineer.
- iii. Documentary evidence towards payment of ESI, EPF etc. as per statute.
- iv. Abstract sheet for ESI & EPF
- v. Wage sheet
- vi. Undertaking that Contractor has complied with all statutory requirements as per Order during the period for which the progress payment has been claimed

GST shall be released only on submission of related statutory GST return and deposition of GST to exchequer.

4. Work measurement sheet should be on printed form/letter head of the contractor duly signed and stamped by the contractor and certified by JVM site engineer.
5. T.D.S. will be affected from all payments as per prevailing rules.
6. 5% (five percent) work value shall be paid after completion of warranty period/ maintenance guarantee period (6 months)and submission of pre-receipted invoice and completion of all his contractual certified by JVM along with submission of following documents :-
 - a) Completion certificate issued by JVM – original
 - b) No dues certificate from JVM
 - c) No claim/no demand certificate by the contractor – original
 - d) Copies of all statutory documents to be provided by the contractor as required by JVM
7. JVM shall deduct taxes at source as per prevailing status from the payment to be made to the contractor. JVM shall deposit amount thus deducted with the concerned authorities and issue necessary certificates to the contractor to this effect.

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MAKE LIST

List of Preferred makes (Architectural finishing and Sanitary Plumbing works)

The makes and manufacturers shall be from the following list, In case, the same is not available in the market or in case of a change in trade name, equivalent makes/ re-designated manufacturer shall be used with prior approval of Engineer In charge.

Sl. No.	MATERIALS	MANUFACTURERS
A	FLOORING	
1	Vitrified/ Ceramic Tiles	: Kajaria, RAK, Johnson, Orient –Bell, AGL.
2.	Cement Concrete tiles	: Nitco, Tile Italia, Ultra, Stone Crate, Duracrut, Eurocone.
3	Acid Alkali Proof lining / tiles	: Coromandel Prodorite, Kothari Corrossion Controllers, Restile, Johnson(Endura), Good Earth.
5.	False flooring	: Unitile, Cani-Microtac, Hyderabad Industries Ltd.
6.	PVC Flooring/ Vinyl Flooring	: Premier Vinyl Flooring, Responsive Flooring Bhor, Armstrong, Polyfloor, Wonderfloor.
7.	Glass Mosaic Tiles	: Italica, Bisazza. Palladio.
8.	Antistatic Epoxy Floor	: Pidilite, Fosroc, Beck, STP, Degussa, Huntsman, Sika, HSW
9.	Epoxy Coating	: Ardex, Pidilite, Fosroc, Sika, Asian Paints, Huntsman, Degussa, HSW.
10.	Polyurethane Flooring	: Pidilite, Fosroc, Sika, Flowcrete India Pvt. Ltd.
11.	Anti-Bacterial/Anti-Fungal Flooring	: Fosroc, MYK Scomburg India Pvt. Ltd, Flowcrete India Pvt. Ltd.
12.	Wooden Flooring	: Greenlam, Lamiwood Floors, Lord Parquet.
B	WOOD WORKS.	
1.	Laminates	: Greenlam, Century, Durian Merino, Royal Touche, Signature.
2.	Ply Board	: Greenply, Kitply, Centuryply, Sylvan .
3.	Flush Door Shutters / Paneled door Shutters.	: Kitply, Novopan, Green Ply, Kuttly Flush Doors, Anchor, Anand.
4.	Pre-laminated MDF Board	: Mangalam Timber (Dura Tuff), Century .
5.	Dry wall partition	: Saint-gobain(Gyproc),USG BORAL or approved equivalent make
C.	STEEL WORKS.	
1.	Dash-Fasteners/Anchor	: Hilti, Fischer, Bosch.

Samarjit Jaha
Principal

Jawahar Vidya Mandir
Shyamali, Ranchi-2.
Aff. No.- 3430004 (66230)



JAWAHAR VIDYA MANDIR
SHYAMALI, RANCHI – 834002

AFF.NO.-3430004
School No.:08055
Ph.:2411221,2411665

जवाहर विद्या मंदिर, श्यामली, राँची- 834002

Sl. No.	MATERIALS	MANUFACTURERS
	bolts.	
2.	Stainless Steel Pipes/Flats	Jindal, Salem Steel.
D.	ALUMINIUM WORKS.	
1.	Aluminium Sections and fittings.	: Hindalco,Jindal,Indal, Bhoruka.
2.	Aluminium Composite Panel	: Alstrong,Alpolic,Alucobond, Aludecor.
3.	E.P.D.M. Gaskets	: Anand Reddiplex, Enviro Seals or approved equivalent make.
E.	FITTINGS & FIXTURES	
1.	Doors & Windows Fixtures / Fittings	: Everite,Hardwyn,Garnish, Jyothi, Godrej & Boyce, Hafele
2.	Stainless Steel handles, butt hinges (with and without ball bearings), Floor stoppers, Cabinet handles, knobs	: Kich,Arch, Neki, Dorma, Hafele.
3.	Stainless Steel Tower bolts, Sliding Bolts	: Garg,Arch,Kich,Dorma, Hafele.
4.	Door Closer	: Everite, Hardwyn, Dorma, Hafele, Assa Abbloy, Doorset.
5.	Floor spring	: Everite,Hardwyn,Dorma,Hafele,Assa Abbloy,Ingersol Rand.
6.	Door Locks	: Godrej,Hafele, Dorma, Assa Abbloy,Ingersol Rand.
7.	Lever Handles	: Hafele, Dorma, Assa Abbloy,Ingersol Rand.
8.	Door Knobs	: Hafele, Dorma, Assa Abbloy,Ingersol Rand.
9.	Pull Handles	: Hafele, Dorma, Assa Abbloy,Ingersol Rand.
10.	Electromagnetic Locks	: Hafele, Dorma, Assa Abbloy,Ingersol Rand.
11.	Swing Door Operators	: Hafele, Dorma, Assa Abbloy,Ingersol Rand.
12.	Patch Fittings, Point Fittings, Bolted Systems	: Hafele, Dorma,D-Line.
13.	Stainless Steel Friction Stay	: Securistyle,Hafele,Dorma, Hetich, Arch, Kich.
14.	Stainless Steel Handrails, Balustrade	: Kich, Ozone, Arch.
15.	Aluminium Louvers	Renson,Hunter Douglas.
F	PVC/FRP DOORS	
1.	PVC Doors	: Accucel,Thermodeck,Rajshree, Supreme,
2.	FRP Doors	: Duroplast,Omega-Fibres,Sintex.

Jana
31/03/2024
Samarjit Jana
Principal

Jawahar Vidya Mandir
Shyamali, Ranchi-2.
Aff. No.- 3430004 (66230)

[Signature]
Vice-Principal
Jawahar Vidya Mandir

[Signature]

Page 14 of 37



JAWAHAR VIDYA MANDIR
SHYAMALI, RANCHI - 834002

AFF.NO.-3430004
School No.:08055
Ph.:2411221, 2411665

जवाहर विद्या मंदिर, श्यामली, राँची- 834002

Sl. No.	MATERIALS	MANUFACTURERS
3.	UPVC Doors/Windows	Fenesta,Duroplast,NCL Veka, Rehau.
G	PAINTING WORKS	
1.	Enamel Paints	: AsianPaints, Nerolac, Akzonobel, Berger,Jotun.
2.	Distemper	: AsianPaints, Nerolac, Akzonobel, Berger.
3.	Cement Paint	: Snowcem,Berger,Nerolac, Akzonobel.
4.	Emulsion Paint	: Asianpaints,Berger,Nerolac, Akzonobel,Jotun.
6.	Epoxy Paint	: Kansai Nerolac, Asian Paints, Roto Polymer and Chemicals, Avcon Technics Pvt. Ltd., Huntsman
7.	Wall Putty	: Birla White, JK,Laticrete, Sika
8.	Metal, Wood and Cement Primers	: Asianpaints,Berger,Nerolac, Akzonobel,Jotun.
9.	Epoxy Primer	: Pidilite, MRF,Sika.
10.	Texture Paint	: Nerotex, AsianPaints, Akzonobel, Berger,Jotun, Renova, Architextures.
11.	Aluminium Paint	Asianpaints,Berger,Nerolac.
H	GLASS WORKS	
1.	Clear Float Glass/Toughened Glass/Reflective Glass.	: Saint Gobain,Asahi,Modiguard,Pilkington
I	FALSE CEILING WORKS	
1.	Gypsum False ceiling	: India Gypsum, USG Boral, Saint Gobain.
2.	Metal False ceiling	: Hunter Douglas (Luxalon), Armstong.
3.	Calcium Silicate Board/Tile.	: Aerolite, Ramco-Hylux, Metroc.
4.	Mineral Fibre Tiles.	AMF, Armstrong.
J.	SEALANTS	
1.	Polysulphide sealant	: Pidilite, Fosroc, Sikka.
2.	Silicone Sealant.	: Dowsil,GE-Silicon, Pidilite, Fosroc.
K.	MISCELLANEOUS	
1.	Boom Barrier	Gandhi Automation, Gate Automation India, Neptune Automatic Pvt. Ltd., Somfy India
2.	Exteriorgrade Laminates	Fundermax, Visaka, Greenlam.
K.	SANITARY AND PLUMBING	
1.	Vitreous China Sanitary Fixtures.	Hindware, Parryware, Jaquar, Kohler, Cera.
2.	White Glazed Fire Clay Sink.	Hindware, Cera, Neycer, Sanfire.

Jana
31/03/2024
Samarjit Jana
Principal

Jawahar Vidya Mandir
Shyamali, Ranchi-2.
Aff. No.- 3430004 (66230)

Pr
Vice - Principal
Jawahar Vidya Mandir

Page 15 of 37



JAWAHAR VIDYA MANDIR
SHYAMALI, RANCHI – 834002

AFF.NO.-3430004
School No.:08055
Ph.:2411221, 2411665

जवाहर विद्या मंदिर, श्यामली, राँची- 834002

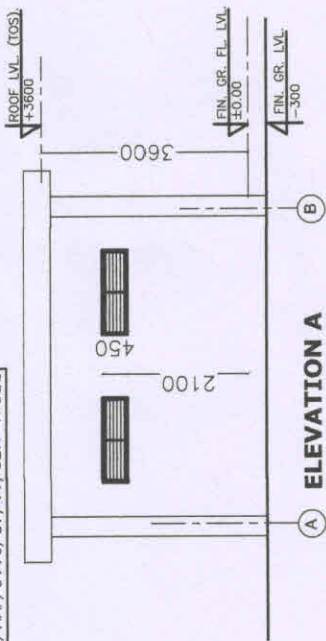
Sl. No.	MATERIALS	MANUFACTURERS
3.	Stainless steel sink.	Nirali, Orient Bell, Neelkanth, AMC.
4.	Plastic Seat Cover of EWC.	Cera, Sona, Diplomat, Geberit, Bestolite.
5.	C.P brass Fittings, Valves and accessories.	Jaquar, Kohler, Cera, Marc.
6.	Centrifugally/Sand cast iron pipes, fittings & fixtures (IS 3989/1729)	R.I.F, J.NECO, B.I.C, S.K.F.
7.	G.I. Pipes.	TATA, Jindal.
8.	G.I. Fittings and accessories.	Unik, K.S, Zoloto.
9.	UPVC/HDPE Pipes & fittings.	Supreme, Finolux, Prince, Kitec, Oriplast, Polyfab.
10.	Gunmetal Valves	Zoloto, Leader, Sant, Kilburn, Neta.
11.	Gunmetal Valves	Zoloto, Leader, Sant, Kilburn, Neta.
12.	Ball valve with floats.	Zoloto, Leader, Sant, Jayco.
13.	PVC Water Tank	Sintex, Polycon, Infra.
14.	Mirror	Atul, Modi Guard, Saint Gobain
15.	Hand Drier	Kopal, Automat, Euronics.
16.	PVC Flushing Cistern	Hindware, Parryware, Commander, Duralite.
17.	C.I. Manhole covers	RIF, NECO, B.C, B.I.C
18.	Liquid Soap Container	Hindware, Jaquar, Prayag.

In case of items not covered in the above list, the material shall be procured after approval of Engineer in charge, JVM as per the standard material available in the market and having BIS certification mark.

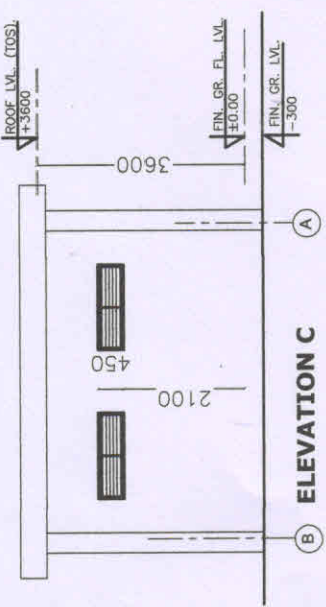
Sana
31/03/2024
(SAMARJIT JANA)
JVM, PRINCIPAL

Samarjit Jana
Principal
Jawahar Vidya Mandir
Shyamali, Ranchi-2.
Aff. No.- 3430004 (66230)

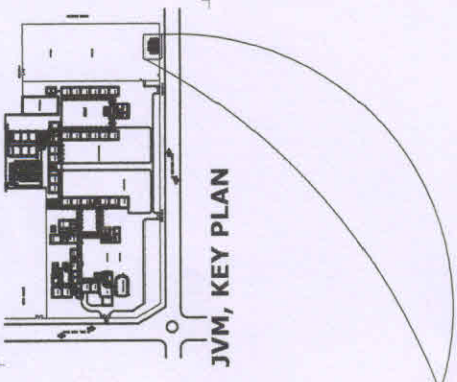
[Signature]
Vice-Principal
Jawahar Vidya Mandir
Shyamali, Ranchi - 2



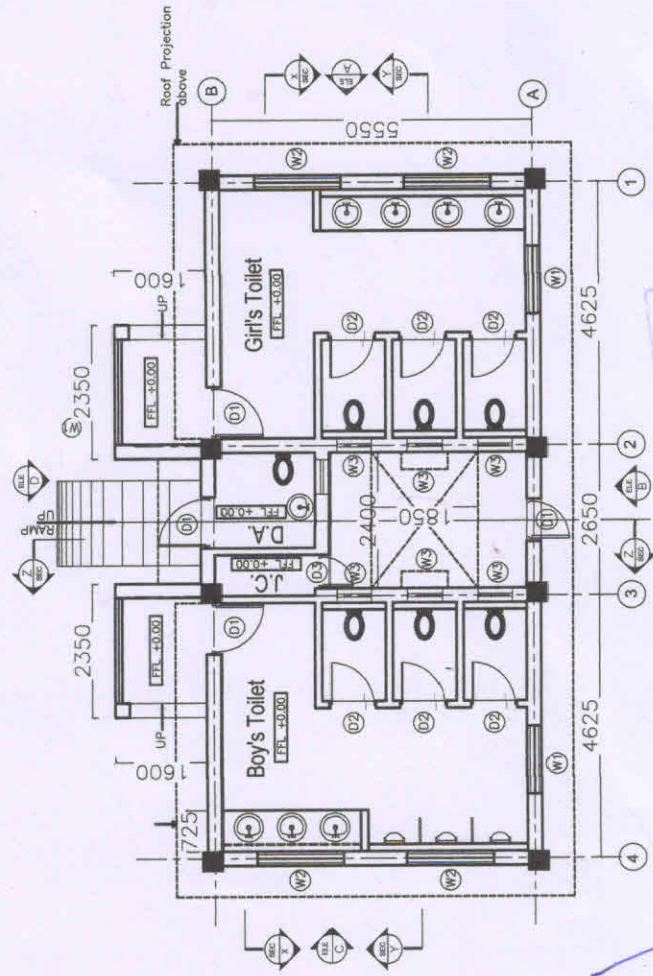
ELEVATION A



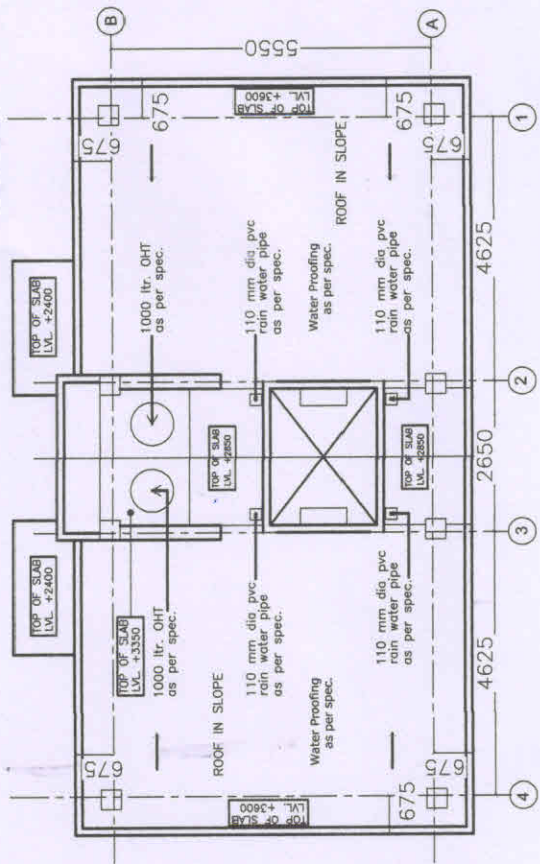
ELEVATION C



JVM, KEY PLAN



GROUND FLOOR PLAN



ROOF PLAN

Samarjit Jana
Principal
Jawahar Vidya Mandir
Shyamali, Ranchi-2.
Aff. No.- 3430004 (66230)

Vice-Principal
Jawahar Vidya Mandir

	JAWAHAR VIDYA MANDIR SHYAMALI, RANCHI	
MECON LIMITED		TOILET BLOCK (VISITOR)
SECTION	ARCHITECTURE	FLOOR PLANS & ELEVATIONS
LOCATION	RANCHI	
DESIGNED	U.C.	SCALE - 1/1100 DATE: 31.03.2024 DRG.No.MEC/11/48/9116/JVM/TB-04
DRAWN	U.C.	
CHECKED AND VERIFIED	A.K.S	SHEET REV. 0
APPROVED	SIG.	

GOOD FOR CONSTRUCTION

DRG. NO. REFERENCES

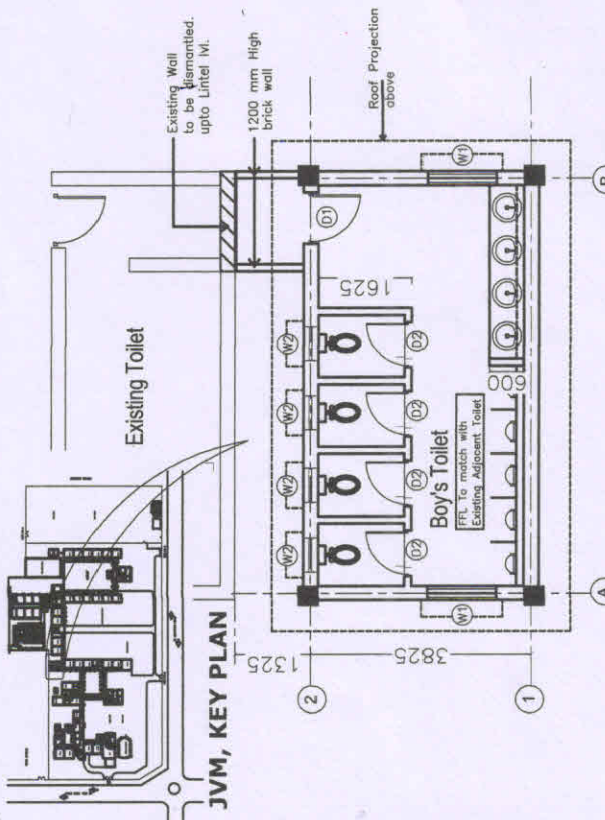
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REV.	DATE	ZONE	DESCRIPTION	REVISIONS

NOTES:
 1. All dimensions and Lvl's. are in millimeters.
 2. Location of the building is tentative, shall be finalised at site.

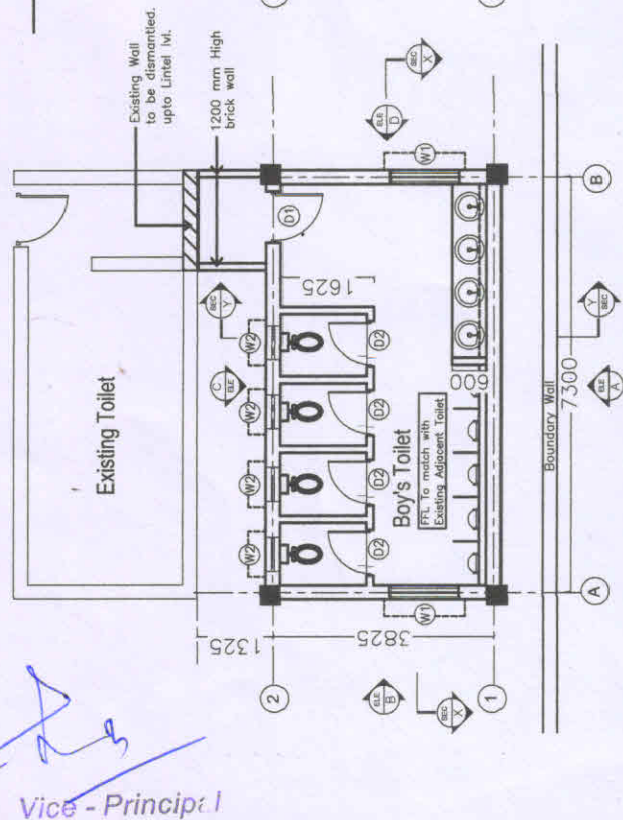
CONCURRED BY

SEC



JVM, KEY PLAN

FIRST & SECOND FLOOR PLAN (TYP.)
(FLOOR SLAB SHALL BE 200 MM SUNKEN IN FIRST AND SECOND FLOOR ONLY)



GROUND FLOOR PLAN

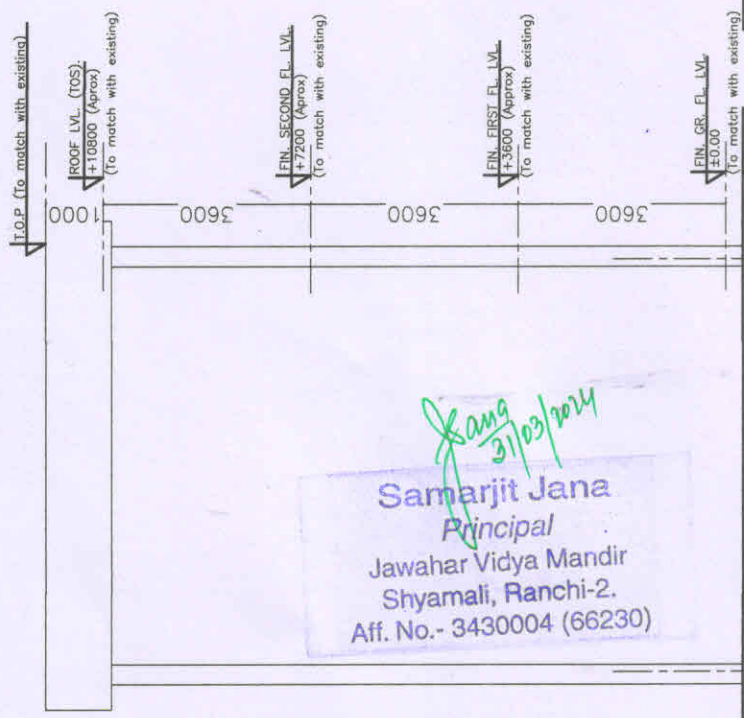
NOTES:

- All dimensions and Lvl's. are in millimeters.
- Location of the building is tentative, shall be finalized at site.

REV.	DATE	ZONE	DESCRIPTION	REVISIONS

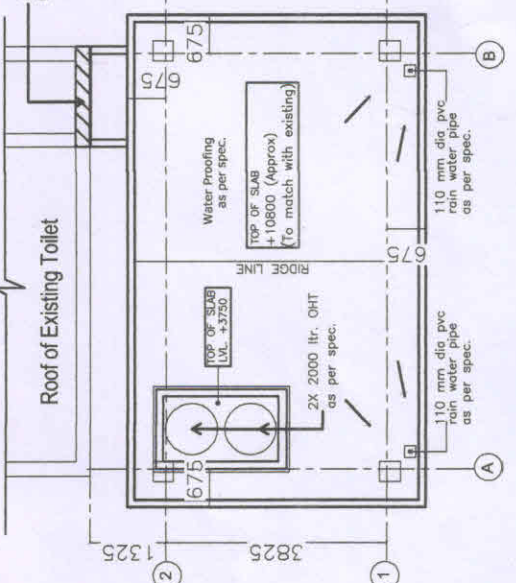
DRG. NO.	REFERENCES

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ELEVATION C

ELEVATION A



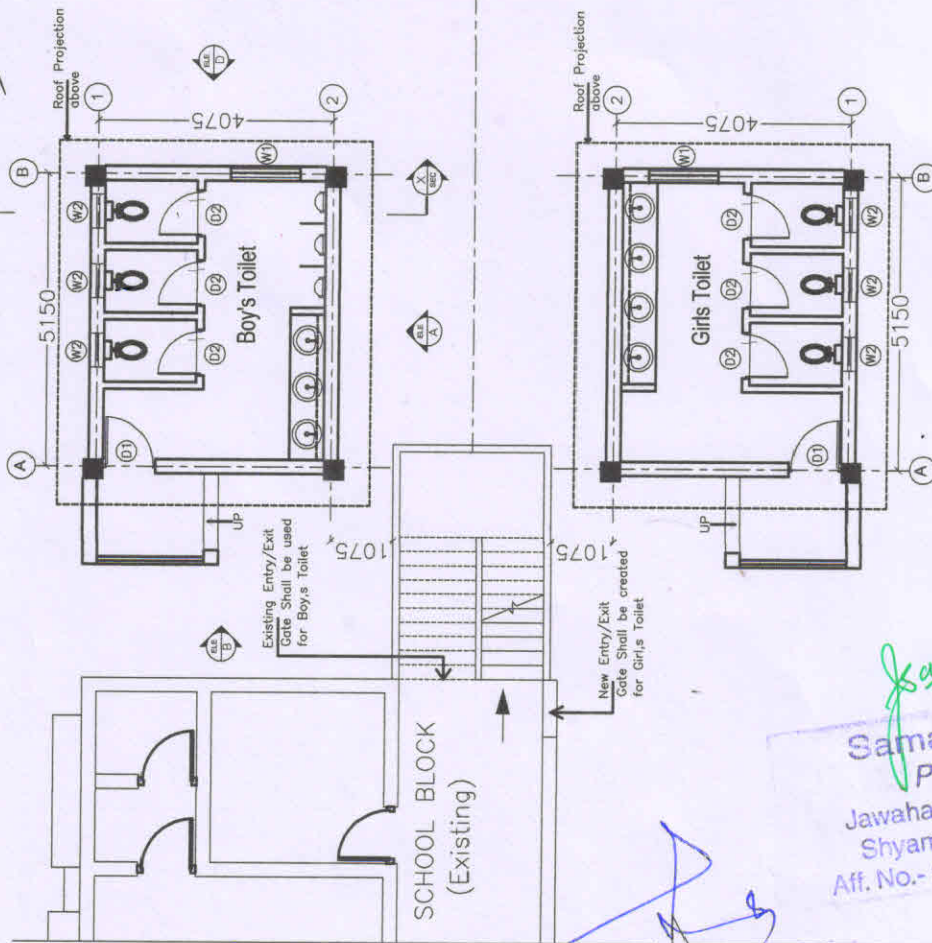
ROOF PLAN

GOOD FOR CONSTRUCTION

	JAWAHAR VIDYA MANDIR SHYAMALI, RANCHI	
MECON LIMITED	TOILET BLOCK (G+2) (PRIMARY SECTION)	
SECTION ARCHITECTURE LOCATION RANCHI DESIGNED U.C. DRAWN U.C. CHECKED AND VERIFIED A.K.S. APPROVED S.G.	ELEVATIONS & SECTIONS	
DATE: 31.03.2024 SCALE: 1:100	SHEET REV. 0	

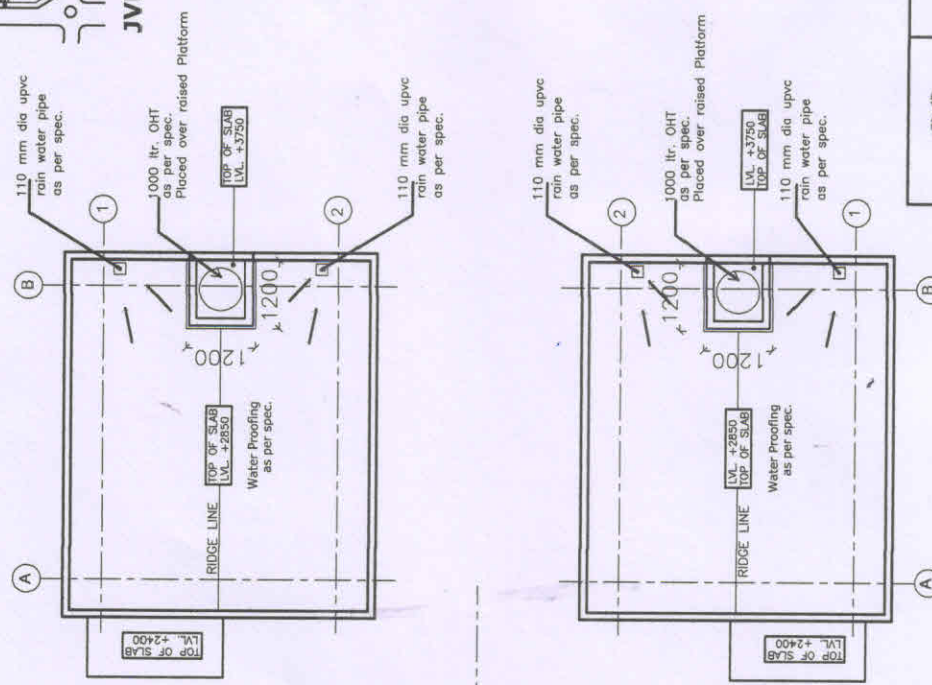
Samarjit Jana
Principal
Jawahar Vidya Mandir
Shyamali, Ranchi-2.
Aff. No.- 3430004 (66230)

Vice - Principal
Jawahar Vidya Mandir
Shyamali, Ranchi-2

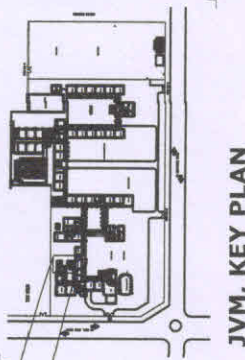


GROUND FLOOR PLAN

SCIENCE BLOCK (Existing)



ROOF PLAN



JVM, KEY PLAN

GOOD FOR CONSTRUCTION



JAWAHAR VIDYA MANDIR
SHYAMALI, RANCHI

मेकॉन लिमिटेड

MECON LIMITED

TOILET BLOCKS
(SENIOR SECONDARY)

SECTION ARCHITECTURE
LOCATION RANCHI
DESIGNED U.C.
DRAWN U.C.
CHECKED AND VERIFIED A.K.S
APPROVED SIG.

FLOOR PLAN & ELEVATIONS

SCALE - 1:100
DATE: 31.03.2024 [DRG.No.MEC/11/48/9116/JVM/TB-02]

SHEET REV. 0

DRG. NO. REFERENCES
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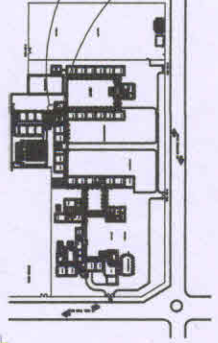
REV.	NO.	DATE	ZONE	DESCRIPTION	REVISIONS

REV.	NO.	DATE	ZONE	DESCRIPTION	REVISIONS

CONCURRED BY

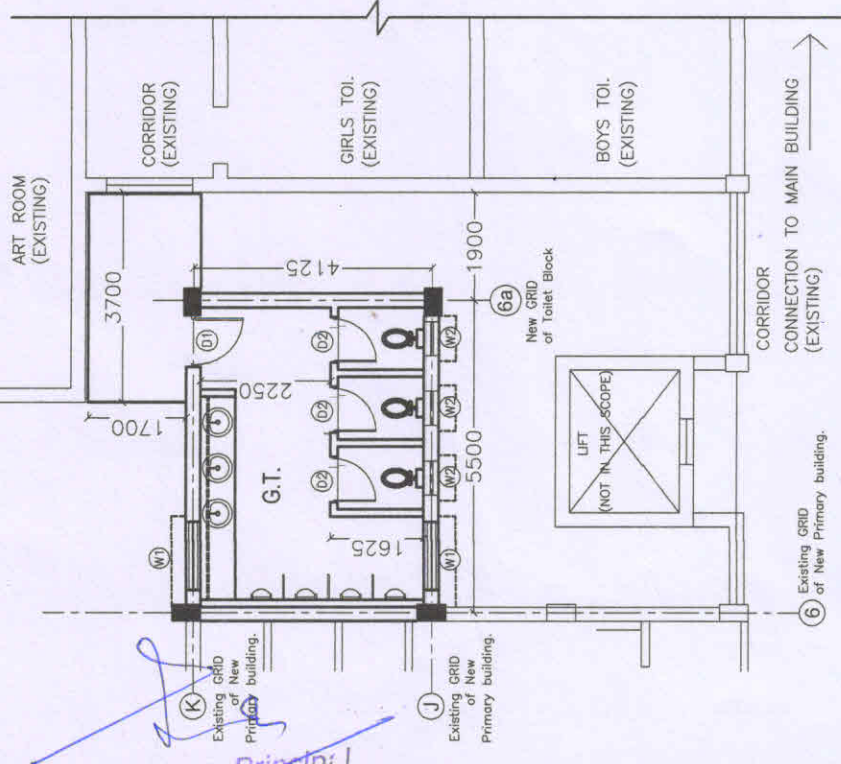
Samarjit Jana
Principal
Jawahar Vidya Mandir
Shyamali, Ranchi-2.
Aff. No.- 3430004 (66230)

Vice - Principal
Jawahar Vidya Mandir
Shyamali, Ranchi - 2



JVM, KEY PLAN

Samarjit Jana
Principal
Jawahar Vidya Mandir
Shyamali, Ranchi-2.
Aff. No.- 3430004 (66230)

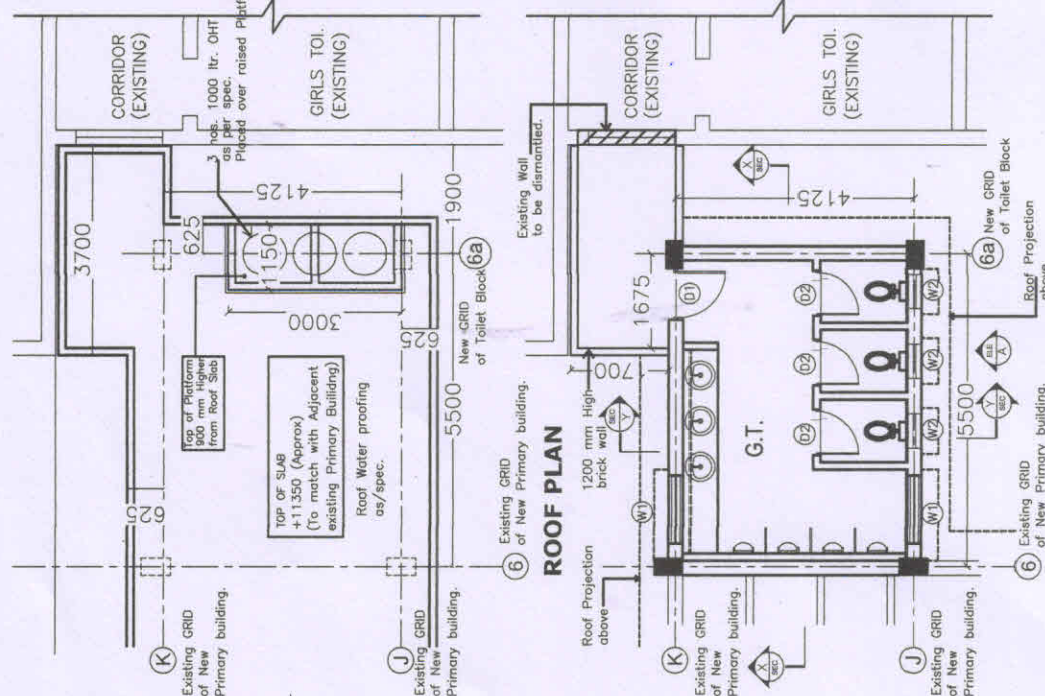


GROUND FLOOR PLAN

- NOTES:**
- All dimensions and Lvs. are in millimeters.
 - Location of the building is tentative, shall be finalised at site.

REV	DATE	ZONE	DESCRIPTION	BY	VERIFIED

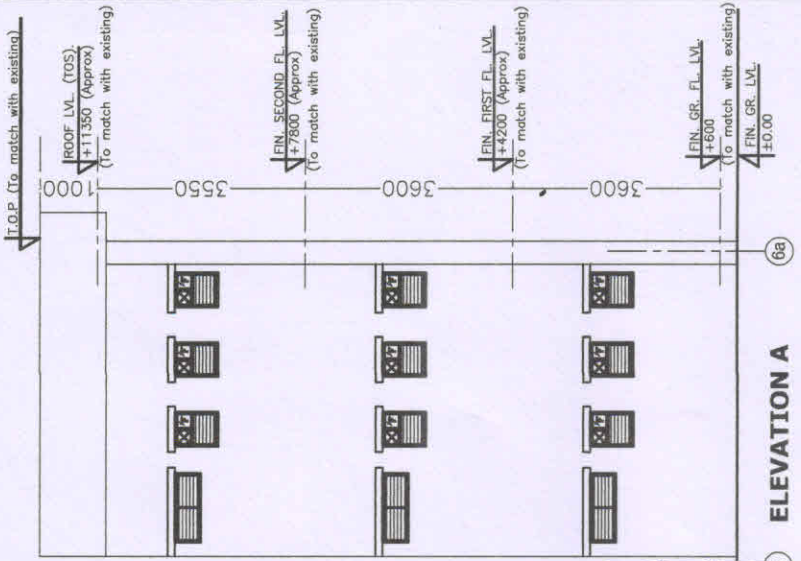
CONCURRED BY



ROOF PLAN

FIRST & SECOND FLOOR PLAN (TYP.)

(FLOOR SLAB SHALL BE 200 MM SUNKEN IN FIRST AND SECOND FLOOR ONLY)



ELEVATION A

GOOD FOR CONSTRUCTION

	JAWAHAR VIDYA MANDIR SHYAMALI, RANCHI	
	मेकॉन लिमिटेड MECON LIMITED	
SECTION ARCHITECTURE LOCATION RANCHI DESIGNED U.C. DRAWN U.C. CHECKED AND VERIFIED A.K.S APPROVED	TOILET BLOCK (G+2) (LOWER PRIMARY SECTION)	
PLAN & ELEVATIONS		
SCALE - 1:100 DATE: 31.03.2024 DRG.No.MEC/11/148/9116/JVM/TB-01	SHEET REV 0	P-2B

DRG. NO. REFERENCES

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REV	DATE	ZONE	DESCRIPTION	BY	VERIFIED

CONCURRED BY

ANNEXURE 2

BOQ

Construction of New Toilet Blocks for Sr. Secondary, Lower Primary, Secondary and Visitors at Jawahar Vidya Mandir School, Shyamali Ranchi.

Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
EW-1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50m and lift upto 1.5 m.					
	All kinds of soil	sqm	270	34.15	28.99	7827.28245
EW-2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5m, disposed earth to be levelled and neatly dressed All kinds of soil					
	All kinds of soil	cum	400.00	129.85	110.23	44091.866
EW-3	Same as per Item EW-2 above, but for depth greater than 1.5 M upto 3.00 M (Payment upto 1.5 M depth shall be made under Item EW-2).					
		cum	150.00	256.65	217.87	32680.52775
EW-4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.					
		cum	380.00	196.00	166.38	63226.072
EW-5	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete					
		cum	10.00	700.50	594.65	5946.5445
EW-6	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.					
		cum	25.00	2123.75	1802.85	45071.28438
EW-7	Disposal of surplus excavated material for a lead beyond 50m but upto 10 km including loading and unloading.					
		cum	100	494.10	419.44	41944.149

Dr. Singh

Singh
31/08/2024
Amarjit Jana
Principal
Jawahar Vidya Mandir
Shyamali, Ranchi-2.
Aff. No.- 3430004 (68230)

Vice - Principal
Jawahar Vidya Mandir

Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
CC-1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
a)	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	60.00	6812.00	5782.71	346962.408
b)	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	50.00	8340.85	7080.55	354027.3783
CC-2	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth: 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)					
	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	100.00	9045.75	7678.94	767893.7175
CC-3						
	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	cum	225.00	10852.95	9213.07	2072940.582
CC-4						
a)	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	400.00	392.15	332.90	133158.454
b)	Suspended floors, roofs, landings, balconies and access	sqm	500.00	736.40	625.13	312564.98
c)	Stairs, (excluding landings) except spiral-staircases	sqm	950.00	927.25	787.14	747785.3988
d)		sqm	15.00	764.95	649.37	9740.490825

Handwritten signature

Handwritten signature

Samarjit Jana
Principal
Jawahar Vidya Mandir
Shyamali, Ranchi-2.
Aff. No. - 3430004 (66230)

Vice - Principal
Jawahar Vidya Mandir
Shyamali, Ranchi-2

Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
MN-1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	15.00	7370.65	6256.94	93854.17178
MN-2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	400.00	9344.35	7932.42	3172967.486
MN-3	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	sqm	45	1123.80	953.99	42929.7219
STR-1	Supplying, fabricating and fixing in position steel reinforcement at all levels and positions including the cost of steel, transportation, straightening, cut-ting, bending, cranking, binding, welding etc. as per drawings and specifications, including cost of binding wire labour etc., all complete, for reinforced concrete and reinforced brick work and any other place as specified. (Payment will be made on the basis of standard weight per metre length of the bar).					
a)	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	23000.00	107.85	91.55	2105738.895
FN-1	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:					
a)	after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm.					
b)	laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm.					
c)	third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around.					
d)	fourth and final layer of brick tiling with cement mortar (which will be paid for separately.					
	For the purpose of measurement the entire treated surface will be measured. sqm	sqm	300.00	688.90	584.81	175442.163


Samarjit Jana
 Principal
 Jawahar Vidya Mandir
 Shyamali, Ranchi-2.
 Aff. No.- 3430004 (66230)

Vice-Principal
 Jawahar Vidya Mandir

Dish

Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
FN-2	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of :					
	(i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical					
	(ii) 11nd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and					
	(iii) 11lrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.					
	(iv) 1Vth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	Sq.m	100	769.60	653.31	65331.344
DD-1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	cum	65.00	2026.20	1720.04	111802.6767
DD-2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	10.00	1503.60	1276.41	12764.0604
DD-3	Demolishing stone rubble masonry 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 : In cement mortar	cum	5.00	2458.95	2087.40	10437.01328
DD-4	Dismantling of Doors and Windows and clerestory windows(steel or wood) shutters including chowkhats, architrave, holdfastsets etc. Complete and stacking 50m lead:	each	5.00	367.20	311.72	1558.5804
	Civil -Total A					10778687.25

B. ARCHITECTURE						
FINISHING						
FN-1	12 mm cement plaster of mix 1 : 4 (1 cement : 4 fine sand)	sqm	1050	347.05	294.61	309341.28
FN-2	6 mm cement plaster of mix 1 : 3 (1 cement : 3 fine sand)	sqm	300	300.45	255.05	76515.60
FN-3	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand). Finished course rough with sponge.	sqm	1400	537.45	456.24	638737.83
FN-4	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	2500	156.05	132.47	331177.11
FN-5	Wall painting with acrylic emulsion paint, 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.	sqm	1200	137.45	116.68	140017.57

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Dr. Jyoti

Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
FN-6	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	sqm	50	226.25	192.06	9603.18
FN-7	Applying priming coats with primer of approved brand and manufacture, having low VOC((Volatile Organic Compound) content. (a) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams / litre c) With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre.	sqm	50	70.35	59.72	2986.01
FN-8	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	sqm	2500	73.95	62.78	156940.39
FN-9	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :	sqm	10	67.40	57.22	572.16
FN-10	One or more coats on old work Providing and applying "Ultima Protek" exterior grade pure acrylic emulsion paint of 3 different shades of Asian make or equivalent as per approved drawing. SHADES FROM ASIAN PAINTS COLOUR COSMOS. 1. Shade no. 7158 (Royal Robes) page no. 036 2. Shade no. X110 (Orange Vision) page no. 259 3. Shade no. 7920 (Yellow metal) page no. 126 Old Work (Two or more coat applied @ 1.7 lit/10 sqm over and including primer coat of ultima protek base coat applied @2.5 lit/10 sqm) having CBA upto 2mm having anticarbonation property. New Work (Two or more coat applied @ 1.7 lit/10 sqm over and including primer coat of ultima protek base coat applied @2.5 lit/10 sqm) having CBA upto 2mm having anticarbonation property.	sqm	20	102.80	87.27	1745.34
FN-11	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	sqm	1400	220.00	186.76	261461.20
	With cement mortar 1:4 (1 cement : 4 fine sand)	sqm	50	547.40	464.69	23234.39
	With cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	50	560.50	475.81	23790.42

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Shyamali Ranchi - 2

Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
	FLOORING					
FL-1	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.					
FL-1A	Double charge vitrified tile polished finish. Size of Tile 600 x 600 mm	sqm	225	1453.65	1234.00	277650.78
FL-1B	Glazed Vitrified tiles Matt/Antiskid finish. Size of Tile 600 x 600 mm	sqm	300	1464.85	1243.51	373053.35
FL-1C	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @3.3kg/sqm	sqm	200	850.10	721.65	144329.98
FL-1D	Fixing Glazed / Ceramic/ Vitrified floor tiles cement based high polymer modified quick set Tile adhesive (Water Based) conforming to IS:15477, in average 3 mm thickness	sqm	200	753.25	639.43	127886.79
FL-2	Providing and fixing 1st quality ceramic glazed wall tiles conforming IS:15622(thickness to be specified by manufacturer), of appvd. Make, in all colours, shades except burgundy, bottle green, black of any size as approved by engineer-in charge, in skirting, riser of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	1000	1267.95	1076.36	1076362.76
FL-3	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded and pre-polished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels					
	Granite of any colour and shade					
	Area of slab upto 0.50 sqm	sqm	100	5413.50	4595.52	459552.02
FL-4	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.					
	Granite work	metre	50	510.95	433.75	21687.27
FL-5	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	metre	50	568.55	482.64	24132.10

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Aff. No. - 3430004 (66230)

Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
FL-6	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.	sqm	16	4051.85	3439.62	55033.85
FL-7	Granite Stone of approved shade Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) 25 mm thick.	sqm	200	1948.25	1653.87	330773.89
FL-8	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. 80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	sqm	250	1091.50	926.57	231643.59
WOOD AND PVC WORK						
WW-1	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.					
WW-2	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws Providing and fixing factory made P.V.C. door frame of approved make of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitred at corners and joined with 2 Nos. of 150mm long brackets of 15x15mm M.S. square tube, the vertical door profiles to be reinforced with 19x19mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100mm size complete as per manufacturers specification and directed by engineer.	sqm	25	3473.85	2948.95	73723.78
		mtr.	180	492.70	418.25	75285.55

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Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
WW-3	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail.					0.00
WW-4	Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.	sqm	60	3182.95	2702.01	162120.38
WW-5	30 mm thick plain PVC door shutters. Providing and fixing aluminium sliding door bolts ISI marked anodized (anodic coating not less than grade AC10 as per IS:1868) transparent or dyed to required colour or shade with nuts and screws etc. complete. 250x16 mm	each	15	260.60	221.22	3318.35
WW-6	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete. 250 x 10 mm	each	70	115.15	97.75	6842.56
WW-7	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete. a) 125 mm Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS :3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 m to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete	each	100	66.25	56.24	5623.96
		each	12	983.15	834.60	10015.15

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Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
ST-1	STEEL WORKS Providing and fixing pressed steel door frames conforming to IS: 4351, 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 ties 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:					
	Profile B	metre	70	583.30	495.16	34661.44
AL-1	ALUMINIUM & GLAZING WORKS Fixing with adjustable lugs with split end tail to each jamb Providing and fixing Aluminium work for doors, windows, ventilators and partitions with extruded built-up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of reqd. dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with reqd. EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rustfree straight mitred and jointed mechanically wherever reqd. including cleat angle. Aluminium snap beading for glazing/paneling, C.P. brass/stainless steel screws, all complete as per architectural drgs. and the directions of Engineer in charge. (glazing , paneling and dash fastener to be paid separately)					
	For Fixed Portion					
	Anodised aluminium (anodised transparent or dyed to reqd. shade according to IS:1868, Minimum anodic coating of grade AC 15)	Kg	30	495.05	420.25	12607.44
	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)					
AL-2	Anodised aluminium (anodised transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15)	Kg	350	598.60	508.15	177853.04
	Providing and fixing glazing in Aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber/neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer in charge.					
AL-3	With float glass panes of 5 mm thickness (wt. not less than 12.50 kg/sqm) Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :	sqm	50	1505.25	1277.81	63890.34
	Of area 3 sq metres and below	Each	4	367.20	311.72	1246.86

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Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
RF-1	ROOFING Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.	metre	60	377.40	320.37	19222.49
RF-2	110 mm diameter Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. a. Coupler 110 mm b. Single pushfit Coupler 110 mm c. Single tee with Door 110x110x110 mm d. Single tee without Door 110x110x110 mm e. Bend 87.5° 110 mm bend f. Shoe (Plain) 110 mm shoe	EACH EACH EACH EACH EACH EACH EACH	12 12 12 12 12 12 12	136.15 127.6 234.15 221.35 150.35 131.85	115.58 108.32 198.77 187.90 127.63 111.93	1386.93 1299.84 2385.24 2254.85 1531.59 1343.13
RF-3	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.					
RF-4	110 mm Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	EACH EACH	20 12	371.30 54.70	315.20 46.43	6303.93 557.22

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Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
RF-5	<p>Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size</p> <p>24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size</p> <p>24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main "T" at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to form grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum)</p> <p>sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calcium silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main "T" runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at</p> <p>1200 mm centre to centre along main "T", bottom exposed with 24 mm of all T sections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge:</p> <p>Note :- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/ opening (cut outs) having area less than 0.30 sqm. The calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection > 85%, non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity <0.043 w/mk.</p>	sqm	60	2158.15	1832.05	109923.21
SW-1A	<p>Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.</p>	each	2	1607.95	1364.99	2729.98

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Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
SW-1B	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :					
SW-2	Rectangular shape 1500x450 mm Providing and fixing PTMT liquid soap container 109 mm wide, 125mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	each	20	2093.00	1776.75	35534.95
SW-3	Providing and fixing CP brass Robe hook of Jaquar (Cont.-cat. No-1191) or approved equivalent fixed with CP brass screws with all bye-works complete as per specifications and direction of the Engineer.	each	20	168.35	142.91	2858.25
SW-4	Providing and fixing toilet paper holder.	each	35	350.00	297.12	10399.03
SW-4A	C.P.brass	each	6	803.70	682.26	4093.57
SW-4B	Vitreous china	each	35	546.35	463.80	16232.88
SW-5	Providing and fixing 125 mm. dia. C.P Brass floor jali (with / without waste hole) of approved quality and make complete with all bye-works as per specification and direc-tion of the Engineer	each	140	300	254.67	35653.80
SW-6	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer- in-charge.	each	40	1034.80	878.44	35137.67
SW-7	Providing and fixing C.P. brass Health Faucet with 8 mm dia 1mtr long flexible tube and wall hook with all complete (Cat no. ALD-CHR-573) of Jaquar or approved equivalent make.	each	35	1625.00	1379.46	48281.19
SW-8	Providing and fixing C.P. brass 2 Way bib cock with wall flange all complete. (Cat no. FLR-CHR-504IN) of Jaquar or approved equivalent make.	each	35	2350.00	1994.92	69822.03
SW-9	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				0.00	
SW-10	15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931	each	15	670.45	569.15	8537.18
SW-11	15 mm nominal bore Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	each	70	574.30	487.52	34126.63
		each	3	7979.20	6773.54	20320.63

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Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
SW-12	Supply and fixing a) White glazed vitreous china URINAL (back inlet) of size 385 x 325 x 635 mm with all fixing accessories (Cat no. URS-WHT-13253N) of Jaquar or approved equivalent make. B) CP Brass Concealed Urinal Valve with Auto closing system and wall flange with all fixing accessories (Cat no. PRS-CHR-073) of Jaquar or approved equivalent make. c) CP Spreaders for back inlet with all fixing accessories (Cat no. ALD-CHR-1041) of Jaquar or approved equivalent make.	each	32	12265.16	10411.89	333180.62
SW-13	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required.;	each	30	6515.55	5531.05	165931.51
SW-14	W.C. pan with ISI marked white solid plastic seat and lid Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	each	6	14999.15	12732.78	76396.67
SW-15	Supplying, fitting & Fixing EWC (Size- 710x370x810 mm) in white glazed vitreous chinaware of approved make supplying, fitting and fixing in position complete with necessary nut and bolts. (Model Code No. S10221114-P Trap (CRUSE SET) of CERA or equivalent.)	each	1	5446.00	4623.11	4623.11
SW-16	Supplying, fitting and fixing 10 litre white glazed vitreous chinaware of approve low-down cistern of approved make with either side or bottom inlet, side overflow, brackets complete with all internal fittings. (Model Code No. S1060106 of CERA or equivalent.)	each	1	2406.00	2042.45	2042.45
SW-17	White Soft Close seat cover of approved make with lid and C.P. hinges, rubber buffer and brass screws supplying, fitting and fixing complete. E W C (Model Code No. B1520118 of CERA or equivalent.)	each	1	1299.00	1102.72	1102.72
SW-18	Supplying, fitting and fixing Stainless steel Wall Mounted Grab Bar. Load bearing capacity 150 kg. covered by Nylon surface with contour finish (for better grip) with Anti-bacterial surface complete. (Model Code No. B2210106 of CERA or equivalent.) 600 mm long	each	1	1825.00	1549.24	1549.24
SW-19	Supplying, fitting and fixing Stainless steel Wall Mounted Hinged hand rail (750X100 mm) covered by Nylon surface with contour finish (for better grip) with two brackets.(Model Code No.B2210108 of CERA or equivalent.) 750 mm long	each	1	6760.00	5738.56	5738.56
SW-20	Supplying, fitting and fixing 15 mm Twin Flush Fitting (Model Code No. B1810112 of CERA or equivalent).	each	1	1041.00	883.70	883.70

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Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
SW-21	Supplying, fitting and fixing 15 mm Spatula Single Lever Basin Mixer (Model Code No. F9030451 of CERA or equivalent).	each	1	1973.00	1674.88	1674.88
SW-22	Supply and fixing white glazed vitreous china oval shaped Under Counter wash basin of size 605 x 430 x 200 mm (Cat no. CNS-WHT-705) with following. a) CP Brass Pillar cock (Cat no. FLR-CHR-5011N) b) CP Bottle trap (Cat no. ALD-CHR-769L300 X 190) c) Waste coupling 32mm size full thread with 130 mm height (Cat no. ALD-CHR-705L130) d) 450 long braided hose with two 15 mm nuts & rubber washer.(Cat no. ALD-CHR-805B) with all fixing accessories of Jaquar or approved equivalent	each	36	9373.87	7957.48	286469.22
SW-23	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.					0.00
	External Work					0.00
SW-23A	25 mm nominal dia Pipes	Metre	25	355.40	301.70	7542.48
SW-23B	32 mm nominal dia Pipes	Metre	50	438.60	372.33	18616.38
SW-23C	40 mm nominal dia Pipes	Metre	250	563.05	477.97	119493.29
SW-23D	50 mm nominal dia Pipes	Metre	40	794.25	674.24	26969.55
SW-24	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, 1/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work , including cutting chases and making good the walls etc.					
SW-24A	15 mm dia nominal dia pipes	Metre	75	497.80	422.58	31693.68
SW-24B	20 mm dia nominal dia pipes.	Metre	75	537.60	456.37	34227.65
SW-24C	25 mm dia nominal dia pipes.	Metre	100	627.25	532.47	53247.25
SW-25	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					
	Semi rigid pipe					
SW-25A	32 mm dia	each	20	103.90	88.20	1764.01
	Flexible pipe					
SW-25B	32 mm dia	each	20	119.55	101.49	2029.72

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Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
SW-26	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :					
SW-26A	180 x 150 mm size P type.					
SW-26B	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	12	2802.15	2378.75	28544.94
SW-27	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 coarse sand (Zone III) : 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:					
SW-27A	Inside dimensions 600x 850 mm and 45 cm deep for pipe line with three or more inlets :					
SW-27B	With common burnt clay F.P.S. (non modular)	each	10	9594.35	8144.64	81446.44
SW-28	Providing and Fixing rigid UPVC (Soil waste pipe Type- B) SWR pipe conforming to IS : 13592 under floor, including all accessories like bends, T , fixing with collar, inspection door adhesive at joints all as per amnufacturer's specification and direction of Engineer incharge complete in all respect as per drawing and required length.					
SW-28A	110 mm dia pipes with minimum wall thickness 2.20 mm	Rm	250	208.14	176.69	44172.51
SW-28B	80 mm dia pipes with minimum wall thickness 2.20 mm	Rm	250	161.65	137.22	34306.17
SW-29	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
SW-29A	25 mm nominal bore	each	6	622.40	528.36	3170.13
SW-29B	32 mm nominal bore.	each	6	689.60	585.40	3512.41
SW-29C	40 mm nominal bore.	each	10	826.10	701.28	7012.76
SW-29D	50 mm nominal bore.	each	10	1026.65	871.52	8715.23
SW-30	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support i/c fittings & fixtures for tank shall be paid separately.					
SW-31	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:					
	White Vitreous china Orissa pattern W.C.- pan of size 580x440 mm with integral type foot rests	per litre	15000	9.70	8.23	123514.95
	White Vitreous china Orissa pattern W.C.- pan of size 580x440 mm with integral type foot rests	each	4	6767.40	5744.85	22979.38

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Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
Architecture -Total B						
C. ELECTRICAL WORKS						
1	Supply, installation, commissioning of Distribution box This board shall be provided with 20A 2P MCB and 6 nos. of 6 A SP MCB, Type C Curve with complete wiring. This board shall conform to IS 8623 -1 & 3 ,IEC 61439 -1 & 3 ,IK 09 with double door, IP 43 , 1.6MM CRCA sheet, RAL 7003, powder coated. The make of the DB's & MCB shall be Le grand, L & T, Havells, C & S, ABB, SCHNEIDER, SIEMENS.	No.	1.00		3000.00	3000.00
2	Supply, installation, commissioning of incoming 4runs of 1CX 4sqmmCopperFRLSH cable to the distribution box installed (50mtr approx.). Cable shall be laid from nearest feeder pillar. The scope also includes minor chipping, clamping, cutting of earth and road and again refilling etc. The make of wires shall be RR Kabel, KEC, KEI, Havells, Polycab, Finolex, V GUARD.	mtrs	50.00		350.00	17500.00
3	Supply, laying and termination of 3 runs of 1C X 2.5 sqmmcopper FRLSH wire from Distribution box to Switchboard through conduit (concealed wiring) or looping from nearest switchboard. The make of wires shall be RR Kabel, KEC, KEI, Havells, Polycab, Finolex, V GUARD.	mtrs	500.00		155.00	77500.00
4	Supply, laying and termination of 3 runs of 1C X 1.5 sqmm copper FRLSH wire from Switchboard to light points/exhaust fan through conduit (concealed wiring). The make of wires shall be RR Kabel, KEC, KEI, Havells, Polycab, Finolex, V GUARD.	mtrs	1000.00		80.00	80000.00
						7785842.921

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Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
5	Supply, installation, testing and commissioning of 6 module modular switchboard each with 3 nos. of 10A two way switch, 1 no. of 20A/10A Twin Socket with switch complete with mounting plate, GI Box. The make of modular switchboard shall be Legrand (Mylinc) or equivalent from Havells, L&T, ABB, polycab	No.	16.00		1250.00	20000.00
6	Supply, installation, testing and commissioning of 1 module modular switchboard each with 1 no. of 10A two way switch, complete with mounting plate, GI Box. The make of modular switchboard shall be Legrand (Mylinc) or equivalent from Havells, L&T, ABB, polycab	No.	18.00		200.00	3600.00
7	Supply, installation, commissioning of General purpose battens luminaire with energy efficient LED tube (HAVELLS type LUMILINENEOB20WLED865SPCWH 9405 or Equivalent. Make: Bajaj, Havells, Crompton, Philips, Halonix	No.	80.00		650.00	52000.00
8	Supply, installation, commissioning of recess mounted downlighter for false roof (HAVELLS type INTEGRANEODLR12WLED857S 9405 or Equivalent.	No.	12.00		1867.00	22404.00
9	Supply, Installation, Testing and Commissioning of 9W LED lamp with holder mounted on ceiling. Make: Bajaj, Havells, Crompton, Philips, Halonix	No.	6.00		200.00	1200.00
10	Supply, installation, commissioning of 300 mm METALLIC exhaust fan with front protection guard and Ceiling Rose. Make: Havells, Orient, Crompton, Bajaj, Usha	No.	16.00		2200.00	35200.00


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Item no.	Description	Unit	Qty.	Rate	BASE Rate (Excluding 18% GST)	Amount (Without GST)
11	Supply & installation of GI conduit 30 mm dia for incoming cable laying underground Supply and fixing of 1 no. of 25 mm medium duty PVC conduits along with necessary accessories concealed in ceiling/ wall (new/existing) .Necessary wall cutting, fixing of conduits with accessories such as GI Box ,solid bends /couplers /iron staples / saddles / screws, plastering with Chicken mesh ,painting as required shall be in the scope of the Tenderer.	mters	50.00		65.00	3250.00
12	Make of conduits shall be Polycab, Anchor, AKG	mters	1500.00		110.00	165000.00
	Electrical -Total C					4,80,654.00
Total: Civil, Architecture & Electrical (A+B+C)						1,90,45,184.17
	increment / decrement					
	GST					
	Grand Total					

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