



JAWAHAR VIDYA MANDIR
SHYAMALI, RANCHI – 834002

AFF.NO.-3430004
School Code:-66230
Ph.:2411221,2411665

जवाहर विद्या मंदिर, श्यामली, राँची ८३४००२

No. JVM/OT-10 /2022-23

Date: 28-03-2023

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 28-03-2023 enclosed herewith (Total pages 32)

Sub: Renovation of Multimedia Hall and Construction of Waiting room near Gate no. 3, security post near gate no. 2, laying pavers block on the path way from gate no. 2 to accounts section and laying of RCC slabs on the drain in front of gate no. 2 at premises of JVM , Shyamali, Ranchi-834002

Salient Features of the Invitation to Tender:

1	Tender Enquiry No. & Date	No. JVM/OT-10 /2022-23 Date: 28-03-2023
2	Project Description	Tender for Renovation of Multimedia Hall and Construction of Waiting room near Gate no. 3, security post near gate no. 2, laying pavers block on the path way from gate no. 2 to accounts section and laying of RCC slabs on the drain in front of gate no. 2 at premises of JVM , Shyamali, Ranchi-834002 .Drg.no. MEC/11/9116/sx01 Drg no MEC/11/48/9116/sx 02 Drg no. MEC/11/48/9116/sx 03
3	Date of floating of on-line Tender	28-03-2023
4	Last date & time of submission of tender document	11-04-2023 by 01.00 PM
5	Date & Time of Opening of Tender	On 11-04-2023 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	06 (Six) months from the date of issue of work order.
8	Earnest Money Deposit	Rs. 50000/- (Fifty Thousand only)
9	Cost of the tender document	Rs. 2000/- (Two thousand only)

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Dated: 28.03.2023

INVITATION TO TENDER

Sub: Tender for Renovation of Multimedia Hall and Construction of Waiting room near Gate no. 3, security post near gate no. 2, laying pavers block on the path way from gate no. 2 to accounts section and laying of RCC slabs on the drain in front of gate no. 2 at **premises of JVM , Shyamali, Ranchi-834002**

Sealed tenders are invited for award of Renovation of Multimedia Hall and Construction of Waiting room near Gate no. 3, security post near gate no. 2, laying pavers block on the path way from gate no. 2 to accounts section and laying of RCC slabs on the drain in front of gate no. 2 at **premises of JVM , Shyamali, Ranchi-834002**, as per the Technical Specification attached as Annexure – I from experienced and eligible firms who have executed similar nature of work as per eligibility criteria and satisfying all the terms and conditions in this tender document.

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 I.

Both the bids shall be put in the third envelope which should be prominently super-scribed as "Renovation of Multimedia Hall and Construction of Waiting room near Gate no. 3, security post near gate no. 2, laying pavers block on the path way from gate no. 2 to accounts section and laying of RCC slabs on the drain in front of gate no. 2 at **premises of JVM , Shyamali, Ranchi-834002**", and shall be submitted on or before **11.04.2023 till 1.00 PM**.

The scheduled time for opening of tenders shall be 4.00 PM IST on 11-04-2023.

- 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.

2.0 Eligibility Criteria

Part A: Techno- Commercial Bid

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2.1 TECHNICAL

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

The Bidder, as sole bidder, 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 13 Lakh**

OR

2. At least two completed similar works (as defined below) having value not less than **INR 10 Lakh** each

OR

3. At least three completed similar works (as defined below) having value not less than **INR 9 Lakh** each

In case bidder has executed work of larger value in a longer duration, portion of work executed during qualifying period of last seven 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, Fabrication, Erection and installation of the complete office / commercial space including interior work, finishing work, electrical work in any industrial/commercial/residential project, for construction of RCC framed building on turnkey or item rate 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/execution certificate indicating cost of 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

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 2022 shall not be less than Rs **25 lakh**.

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: $(A \times M \times N) - B$

where, A = Maximum turn over in any one year during last 5 years ending with FY 2021-22.



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N = No. of years prescribed for completion of work i.e. 0.5

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 2022 (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.

3. Copy of Audited Annual Financial Reports for last 3 (three) consecutive financial years ending 31st March 2022 (Balance Sheet and Profit & Loss Account).
4. Chartered Accountant's certificate with UDIN no., in Original, may be submitted to substantiate the above financial eligibility.

5. 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.



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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. 50,000/- (Rs 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 order 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 I 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
- 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.

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



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- 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.	Renovation of Multimedia Hall and Construction of Waiting room near Gate no. 3, security post near gate no. 2, laying pavers block on the path way from gate no. 2 to accounts section and laying of RCC slabs on the drain in front of gate no. 2 at premises of JVM , Shyamali, Ranchi-834002	As per items described and listed in the enclosed Bill of Quantity (BOQ) and as per the enclosed tender drawing. Drg.no. MEC/11/9116/sx01 Drg no MEC/11/48/91116/sx 02 Drg no. MEC/11/48/91116/sx 03

The Renovation of Multimedia Hall and Construction of Waiting room near Gate no. 3, security post near gate no. 2, laying pavers block on the path way from gate no. 2 to accounts section and laying of RCC slabs on the drain in front of gate no. 2 at **premises of JVM , Shyamali, Ranchi-834002** shall be carried out by civil - RCC framed construction works as per CPWD specifications, electrical and sanitary-plumbing works complete in all respect as per 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 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 5 (Five) months from the date of opening of quotation.

7.0 TIME SCHEDULE:

- 7.1** The successful Tenderer shall be required to complete the job within 6 (**Six**) months from the date of receipt of order.

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





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8.0 PAYMENT TERMS(as per SCC):

8.1 The payment shall be released as R.A Bill against submission of bill with measurement basis 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.

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 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.

12.0 EVALUATION OF TENDER:

Tenderer should quote for all the items as per enclosed price bid format (Annexure-I). 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 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



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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

16.1 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.

16.2 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 the following events:

- a) If the Tenderer fails to comply with the provision/provisions of the Contract.
- b) If the Tenderer is involved in any action involving moral turpitude.

17.0 ARBITRATION:

17.1 Any disputes, differences, whatsoever, arising between the parties, the arbitration shall be governed and regulated in all respect according to Laws of India.

17.2 The Arbitration proceedings in case of other Indian companies shall be regulated and governed by Indian Arbitration and Conciliation Act 1996, or such modification thereof.

17.3 The venue of arbitration proceeding shall be Ranchi.

17.4 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.

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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. Undertaking all works including repairs and renovation work for completion to the satisfaction of JVM.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. Unless otherwise specified, measurement of work shall be carried out at site jointly by JVM & Contractor.
16. **Liquidated damages for non-fulfillment of completion schedule.** If the completion of work is delayed beyond the scheduled date for any reason other than due to force major condition or for those attributable to the contractor, then the contractor shall pay 1% per month of delay on total value of work up to a maximum of 5% of the final contract price.
17. The contractor shall not sublet/sub contract the whole or any part of work failing which the contract may be terminated.
18. 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.
19. **Maintenance Guarantee Period (defect liability period):** The contractor guarantees that for a period of 6 (six) months commencing from the date of completion of contract. He shall undertake reconstruction rectification, replacement of all regular schedule work and any other work to make good the faulty work as stated under completion certificate for period of 06 (six) months from the date of issue of commissioning certificate.



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20. 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 :-
- Register of workmen employed by contractor : Form - 9
 - Employment card : Form – 10
 - Muster roll : Form - 12
 - Register of wages-cum-muster roll : Form - 13
 - Wage slip : Form – 15
 - Register of over time : Form – 19
 - Submission of Return in Form – 20
21. All materials supplied to the site shall be of good quality as per latest revision of CPWD specification. Any material not approved by the Engineer shall be removed from the site at his own cost by the Contractor.
22. The work carried at site as per latest edition of CPWD specification.
23. **Time schedule of contract** : Total time schedule of contract will be 6 (Six) months from the date of placement of work order.
23. Any items not mentions in the BOQ but required for the completion of work shall be provided by the bidder on mutually agreed terms and conditions.
24. Further, 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. The changes in quantity may increase or decrease as given in BOQ and contractor should do the work as per direction/ requirement of site engineer/supervisor.
2. The work will be executed on firm item rates basis as quoted. The contractor will be issued with site order indicating various works to be taken up by the contractor.
3. Any defect found within the guarantee period shall have to be attended by the contractor at their own cost and risk.
4. The institutional building regulations of the safety code shall have to be strictly followed by the contractors.
5. The work is to be executed as per specifications mentioned in BOQ and direction of site engineer. **The quantity mention in BOQ is tentative, it may increase or decrease. The payment will be on actual measurement and consumption of items.**
6. Terms of payment: 95% value bill/tax 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.

7. 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.
8. T.D.S. will be affected from all payments as per prevailing rules.
9. 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

10. 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.

11. General schematic tender drawings showing general arrangement of the building is enclosed, any further engineering drawings required for the execution of the work shall be prepared by the JVM



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Existing Office to be converted into Gents Toilet (G.T.) and Ladies Toilet (L.T.) solid and liquid waste to be connected nearest available septic Tank through inspection chamber.

Existing Floor and wall finish to be chipped out to receive new floor and wall finish as per spec.

Existing Wooden doors to be retained.

Floor finish and Sub floor of hatched area to be dismantled and chased out atleast 100 mm to receive new sub floor Top of Sub floor shall be 40 mm less than existing adjacent IPS Finish Top.

Rolling sliding Gate to be retained.

Existing IPS Floor finish to be retained.

Existing Wooden doors to be retained.

Rolling sliding Gate to be retained.

Existing Wooden doors to be retained.

Existing IPS Floor finish to be retained.

EXISTING PLAN

Existing Steel Windows over verandah Roof to be replaced by Aluminium Glazed window as per spec.

Existing RC drain cover to be taken out and placed somewhere else as per Engineers instruction.

EWC with all complete fittings and accessories as per Spec.

CP brass Bib cock with heath faucet as per Spec.

Vitreous China Toilet Paper holder as per Spec.

Area shall be filled with sand to receive sub floor and 20 mm thick kota stone finish. level to match with existing verandah FFL

Storm water drain to be raised 400 mm Approx. shall be covered by RCC top Top of RC cover shall be 50 mm less than existing verandah FFL

Operable M.S. Grating Top shall match with FFL. Extent of Structural Roofing in Galvalume sheet over M.S. structure (Dimensions are tentative)

Area shall be filled with sand to receive sub floor and 20 mm thick kota stone finish. level to match with existing verandah FFL

Operable M.S. Grating Top shall match with FFL.

Storm water drain to be raised 400 mm Approx. shall be covered by RCC top Top of RC cover shall be 50 mm less than existing verandah FFL

750 mm high 125 thick brick work for planter bed (Dimensions are tentative)

850 x 2000 flush door to be fixed and painted with enamel paint as per approved shade and spec.

550 X 400 mm Wash basin with all fittings including PTMT Pillar cock as per Spec.

600X450mm mirror as per Spec. PTMT Liquid soap container as per Spec.

125 mm thick new Brick work to erected as per spec.

2 mm thick PVC Flooring over IPS finish as per spec. Existing Wooden doors to be painted as per spec.

Rolling sliding Gate to be painted as per approved shade and spec

2 mm thick PVC Flooring over IPS finish as per spec.

Existing Wooden door to be painted as per spec.

Multi Media Hall FFL: 0.00 (Existing)

Rolling sliding Gate to be painted as per approved shade and spec.

Existing Wooden door to be painted as per spec.

2 mm thick PVC Flooring over IPS finish as per spec.

PROPOSED PLAN

INTERNAL WALL:- Chipping out of plaster where plaster is in dilapidated condition replaster the surface, over that 1 mm thick cement base putty. Entire inside wall and roof shall receive interior grade Acrylic emulsion paint as per approved shade and spec. and engineers instructions

EXTERNAL WALL:- Chipping out of plaster where plaster is in dilapidated condition replaster the surface, over that 1 mm thick cement base external putty. Entire outside wall shall receive exterior grade Acrylic emulsion paint as per approved shade and spec. and engineers instructions

WOODEN DOORS:- Enamel paint finish as per approved shade and spec. and engineers instructions

TOILET FINISH :- 600 x 600 mm Matt / Antiskid finish vitrified floor Tiles as per spec. 300 x 450 mm glazed Ceramic wall tiles upto +2100 mm from FFL. as per spec.

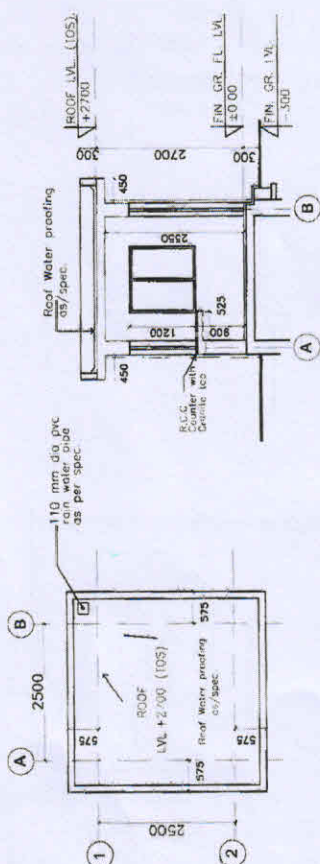
FOR TENDER PURPOSE ONLY

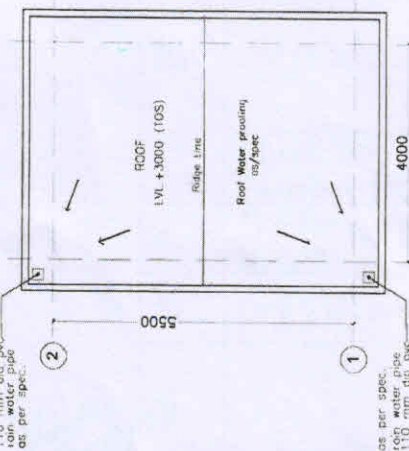
	JAWAHAR VIDYA MANDIR SHYAMALI, RANCHI
	मेकॉन लिमिटेड MECON LIMITED
SECTION	RENOVATION of
LOCATION	MULTI MEDIA HALL
DESIGNED	U.C. / U.C.
CHECKED	U.C. / U.C.
VERIFIED	U.C. / U.C.
APPROVED	U.C. / U.C.
SCALE	1:100
SHEET NO.	EXISTING PLAN
DATE	11/04/2023
DRG No.	MEC/11/48/3116/SK-01
SHEET	1 OF 1

NOTES
1. All dimensions are in millimeters and tentative
Bilder shall check physically before bidding.

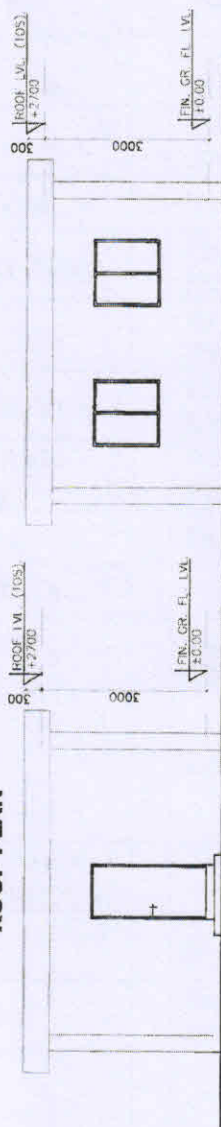
CONCURRED BY

12 of 32





ROOF PLAN

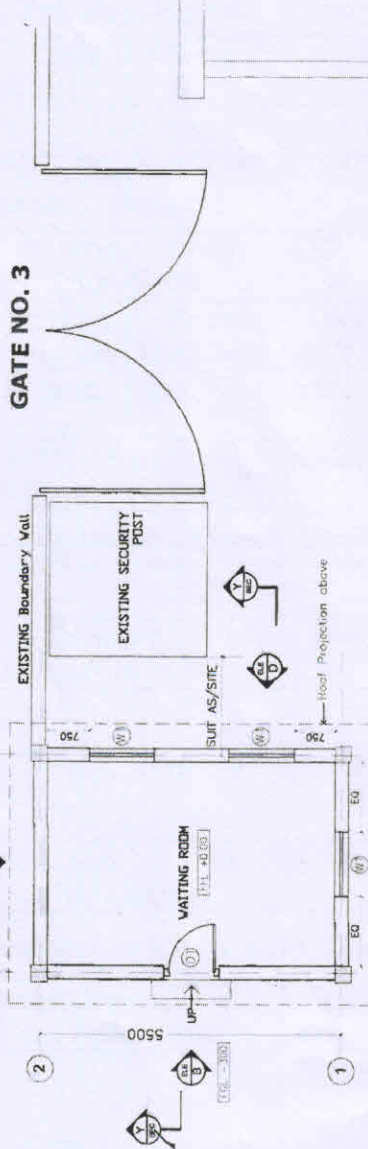


ELEVATION B



ELEVATION D

GATE NO. 3



GROUND FLOOR PLAN



DOOR TYPE D1

WINDOW TYPE W1

FINISHING SCHEDULE

Sl. No.	LOCATION	FLOOR	SKIRTING/DADO	INTERNAL WALL	CEILING
1	Waiting Room, Entry Stairs.	600 x 600 mm Verified Tiles as per spec.	100 mm high to match with floor Tiles.	Acrylic emulsion paint of interior grade over current base putty as per spec.	Acrylic emulsion paint of interior grade over current base putty as per spec.

External finish: - Acrylic smooth exterior paint of approved shades as per specification.

DOOR WINDOW SCHEDULE

S.NO.	TYPE	MASONRY OPENING (W X H)	LEVELS		DESCRIPTION
			SILL LEVELS	UNTEL LEVELS	
01	D1	1000 X 2100		2100	Wooden Flush door in steel frame with all required hardware.
02	W1	1200 x 1200	900	2100	Aluminium frame glazed sliding window 2 track as per specification.

FOR TENDER PURPOSE ONLY



JAWAHAR VIDYA MANDIR
SHYAMALI, RANCHI



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MECON LIMITED

WAITING ROOM (GATE 3)

SECTION	ARCHITECTURE	WAITING ROOM (GATE 3) FLOOR PLANS, ELEVATIONS, SECTION, SCHEDULES & DETAILS	REV.
LOCATION	SOURCE		SHEET
DESIGNED	U.C.		1 OF 1
DRAWN	U.C.		
CHECKED			
AND	A.K.S.	SCALE: 1:100	
VERIFIED	SIC.	DATE: 01.03.2023	
APPROVED		DRG. No. MEC/11/48/9116/SK-03	

DRG. NO. REFERENCES

REV. NO.	DATE	ZONE	DESCRIPTION	BY	CHECKED

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

CONCURRED BY

28/03/2023

Engl.



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SHYAMALI, RANCHI – 834002

AFF.NO.-3430004
SchoolCode:-66230
Ph.:2411221,2411665

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APPROVED 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 Tiles	: Restile, Euro, Kajaria, RAK, Johnson, Orient -Bell.
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.
4.	Ceramic Tiles	: Johnson, Somany, Kajaria, Asian, NITCO
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, Kutty 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

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Sl. No.	MATERIALS	MANUFACTURERS
C.	STEEL WORKS.	
1.	Dash-Fasteners/Anchor bolts.	: Hilti, Fischer, Bosch.
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	: Renison, Hunter Douglas.

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जवाहर विद्या मंदिर, श्यामली, राँची ८ 834002

Sl. No.	MATERIALS	MANUFACTURERS
F	PVC/FRP DOORS	
1.	PVC Doors	: Accucel, Thermodeck, Rajshree, Supreme, Sintex.
2.	FRP Doors	: Duroplast, Omega-Fibres, Sintex.
3.	UPVC Doors/Windows	: Fenesta, Duroplast, NCL Veka, Rehau.
G	PAINTING WORKS	
1.	Enamel Paints	: Asian Paints, Nerolac, Akzonobel, Berger, Jotun.
2.	Distemper	: Asian Paints, Nerolac, Akzonobel, Berger.
3.	Cement Paint	: Snowcem, Berger, Nerolac, Akzonobel.
4.	Emulsion Paint	: Asian paints, 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	: Asian paints, Berger, Nerolac, Akzonobel, Jotun.
9.	Epoxy Primer	: Pidilite, MRF, Sika.
10.	Texture Paint	: Nerotex, Asian Paints, Akzonobel, Berger, Jotun, Renova, Architextures.
11.	Aluminium Paint	: Asian paints, 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 Pvt. Ltd.
2.	Exterior grade Laminates	: Fundermax, Visaka, Greenlam.



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Sl. No.	MATERIALS	MANUFACTURERS
K.	SANITARY AND PLUMBING	
1.	Vitreous China Sanitary Fixtures.	Hindware, Parryware, Jaquar, Kohler, Cera.
2.	White Glazed Fire Clay Sink.	Hindware, Cera, Neycer, Sanfire.
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, Finolex, 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 EIC/Client as per the standard material available in the market and having BIS certification mark.



Seal and Signature of Bidder

Sam
 28/03/2023

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BOQ

Annexure-I

Renovation of Multimedia Hall and Construction of Waiting room near gate no. 3, security post near gate no. 2, laying pavers block on the path way from gate no. 2, to accounts section and RCC slabs on the drain in front of gate no. 2 at premises of JWM, Shyamali, Ranchi -2

SL. NO.	DSR 2021 code.	ITEM DESCRIPTION	Unit	Quantity	DSR Rate	Base rate (Excluding GST)	Amount (in Rs)
EW-1		Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.					
		All kinds of soil	sqm	10		24.209	
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 500 m and lift upto 1.5m, disposed earth to be levelled and neatly dressed All kinds of soil					
		All kinds of soil	cum	60.00		92.02	
EW-3		Same as per Item EW-1 above, but for depth greater than 1.5 M upto 3.0 M (Payment upto 1.5 M depth shall be made under Item EW-1).	cum	5.00		109.22	
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	45.00		218.397	
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		317.039	
EW-6		Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	23.00		1858.632	
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-II) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	6.00		5440.36	

b)		1:1½:3 (1 Cement: 1½ coarse sand (zone-II)) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	20.00		6693.939	
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)	cum	15.00		7193.212	
CC-3		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-II)) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	15.00		8759.143	
CC-4		Centering and shuttering including strutting, propping etc. and removal of form for					
a)		Foundations, footings, bases of columns, etc. for mass concrete	sqm	32.00		264.837	
b)		Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	55.00		523.181	
c)		Suspended floors, roofs, landings, balconies and access	sqm	55.00		659.233	
d)		Stairs, (excluding landings) except spiral-staircases	sqm	2.00		565.665	
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	5.00		5918.52	
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	30.00		7320.32	
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	5		875.523	
ST-1		Supplying, fabricating and fixing in position steel reinforcement at all levels and positions including the cost of steel, transportation, straightening, cutting, 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	4100		77.099	

N-1		Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane :	sqm	200.00		459.326	
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	5.00		1460.667	
DD-2		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	9.00		1066.056	
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		1743.306	
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	4.00		260.322	
		Total					
Architecture							
Item no.		Description	Unit	Qty.		BASE Rate (Excluding GST)	Amount
		FINISHING					
FN-1		12 mm cement plaster of mix	sqm	100		258.52	
		1 : 4 (1 cement : 4 fine sand)	sqm				
FN-2		6 mm cement plaster of mix	sqm	35		221.87	
		1 : 3 (1 cement : 3 fine sand)	sqm				

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	140		404.95	
FN-4	Finishing walls with Acrylic Smooth exterior paint of required shade : 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	140		146.29	
FN-5	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	415		108.59	
FN-6	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. Two coats.	sqm	135		101.75	
FN-7	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	sqm	6		115.26	
FN-8	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	6		53.88	
		sqm	135		56.51	
FN-9	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	sqm	10		48.66	
FN-10	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One or more coats on old work	sqm	260		79.66	
FN-11	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	sqm	20		75.89	
FN-12	Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	sqm	325		97.85	
FN-13	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.					
	With cement mortar 1:4 (1 cement : 4 fine sand)	sqm	20		405.34	
	With cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	20		419.11	
	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, piler, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.					
	Double charge vitrified tile polished finish.	sqm	40		1128.09	
	Size of Tile 600 x 600 mm					
	Glazed Vitrified tiles Matt/Antiskid finish.	sqm	15		1149.53	
FL-2	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.					
	Size of Tile 600x600 mm	sqm	5		1285.83	
FL-3	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	40		1496.35	
FL-4	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete	sqm	10		1787.40	
FL-5	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	40		932.43	
FL-6	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.					

		40 mm thick with 20 mm nominal size stone aggregate	sqm	60		477.86	
		Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.					
		18 mm thick.	sqm	10		500.43	
FL-7		Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels					
		Granite of any colour and shade					
		Area of slab upto 0.50 sqm	sqm	2		4102.85	
FL-8		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	Mtr.	2.5		367.25	
FL-9		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	2.5		416.96	
FL-10		B) Supplying & laying of approved make and brand of scratch proof, flexible & homogeneous P.V.C. Vinyl flooring conforming to IS:3462 - 1982 in required finish, fixed with synthetic acrylic adhesive after preparing the floor, levelling & smoothening when necessary with suitable putty, as per the design & instruction of the Engineer-in-charge. (i) 2 mm thick (Plain)					
			sqm	180		447.17	
FL-11		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	100		886.62	
		WOOD AND PVC WORK					

W-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.						
		35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	10			2705.89	
W/W-2		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	5			205.96	
W/W-3		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	5			91.54	
W/W-4		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	each	5			52.65	
W/W-5		Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with necessary screws etc., complete						
		a) single rubber stopper	each	2			31.13	
W/W-6		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	1			750.80	
		STEEL WORKS						
ST-1		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						
		Fixing with adjustable lugs with split end tail to each jamb	metre	15			389.74	
		ALUMINIUM & GLAZING WORKS						

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AL-1		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	20		380.49		
	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	80		466.28		
	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)	sqm	15		1162.24		
	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	kg	20		491.75		
AL-4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhat, architrave, holdfasts etc. complete and stacking within 50 metres lead :						
	Of area 3 sq. metres and below	Each	4		265.41		
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.						
	110 mm diameter	metre	10		280.36		




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RF-2		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	each	3		105.17	
		b. Single pushfit Coupler	each	3		96.97	
		c. Single tee with Door	each	3		180.14	
		d. Single tee without Door	each	3		167.25	
		e. Bend 87.5°	each	3		115.74	
		f. Shoe (Plain)	each	3		101.66	
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.	each	3		271.37	
RF-4		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	3		42.00	
RF-5		Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :	metre	10		58.04	
GRAND TOTAL							

Sanitary & Plumbing Works

Item no.	DSR Code	Description	Unit	Qty	DSR Rate	BASE Rate (Excluding GST)	Amount
SW-1		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.	each	1		1237.30	
SW-2		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	1		128.28	
SW-3		Providing and fixing toilet paper holder.					

SW-4		Vitreous china Providing and fixing PTMT grating of approved quality and colour.	each	1		405.96	
SW-5		Circular type 100 mm nominal dia Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer- in-charge.	each	1		29.11	
SW-6		Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required: a) Health Faucet (hand let) with flexible connection pipe for W.C.	each	1		777.06	
SW-7		Providing and fixing C.P. brass btb cock of approved quality conforming to IS:8931				2630.40	
SW-8		15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	each	1		380.71	
SW-9		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	1		521.48	
SW-10		15 mm nominal bore Providing and fixing PTMT pillar cock of approved quality and colour	each	4		438.71	
SW-11		15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms 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	1		170.23	
SW-12		W.C. pan with ISI marked white solid plastic seat and lid Providing and fixing wash basin with C.I. brackets, 15 mm PTMT pillar cock, 32 mm PTMT waste coupling of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm PTMT pillar cock.	each	1		4857.95	
SW-13		Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	each	1		2211.16	
SW-14		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.	each	1		1315.24	
		External Work					
		25 mm nominal outer dia Pipes	Metre	15		324.99	

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SW-15	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings. I/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work , including cutting chases and making good the walls etc.					
	15 mm dia nominal outer dia pipes	Metre	5		386.80	
	20 mm dia nominal outer dia pipes.	Metre	10		450.46	
SW-16	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 :					
	180 x 150 mm size P type.					
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	1		2221.81	
SW-17	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors:					
	100 mm inlet and 100 mm outlet					
	Sand Cast Iron S&S as per IS-3989	each	1		1406.47	
SW-18	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
	25 mm nominal bore	each	1		466.76	
SW-19	Cutting chases in brick masonry walls for following diameter sand cast iron/ centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement: 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size) including necessary plaster and pointing in cement mortar 1:4 (1 cement: 4 coarse sand):					
	100 mm dia.	Metre	2		539.85	
	75 mm dia.	Metre	2		387.72	
SW-20	Providing, Laying and Fixing in position, under floor, against wall in chases sand cast Iron pipes and specials conforming to IS:1729 including cutting the pipes to the required lengths making joints to CI soil pipes and specials in CM 1:1, including cost of all required fittings, accessories, bends, Y joints, spun yarn, cement, sand, labour for packing, curing, painting and testing joints to be required pressure and rectifying the leakages if any etc complete in all respect (Specials at junction of lateral pipe and and vertical stack shall have access door for inspection)					
	100 mm dia.	RM	10		1220.51	

SW-21		75 mm dia. Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000x450x50 mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per direction of Engineer-in-charge.	RM	10		960.10	
TOTAL			Each	2		1063.78	

STRUCTURAL

Item no.	DSR Code	Description	Unit	Qty.	DSR Rate	BASE Rate (Excluding GST)	Amount
STR-1		Fabrication of steel structures including supply of raw steel materials, loading, transportation & delivery at site including unloading of all steel structures, and inclusive of supply of bolts, nuts, washer, electrodes, jigs, fixtures and other consumables including all tools, tackles & labour and application of two coat primer paint and one coat of finishing paints at shop, all works as per Technical Specification and drawings.	kgs	500		65.6	
STR-2		Erection of fabricated steel structures along with supply of all fasteners, consumables and supply & application of two coats of finishing paints as per technical specifications and drawings.	kgs	500		8.2	
STR-3		Supply and erection of sheets as per the instruction of Engineer (Net laid area shall be measured for payment)	sqm	10		492	
TOTAL							

ELECTRICAL

Item no.	DSR Code	Description	Unit	Qty.	DSR Rate	BASE Rate (Excluding GST)	Amount
1		Supply, installation, commissioning of incoming 4CX 6 sqmm Aluminium armoured FRLSH cable to the distribution box installed in security post (90 mtr approx.). The scope also includes minor chipping, clamping, cutting of earth and road and again refilling etc.	mtrs	160		168	
		For waiting room area (70 mtr approx.)					
2		GI conduit 30 mm dia for road crossing.	mtrs	10		355	

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3		Supply, installation, commissioning of Distribution box This board shall be	No	1		5130	
4		Supply, installation, commissioning of 2 runs of 1C X 2.5 sqmm FRLSH wire from Distribution box to Switchboard through conduit (concealed wiring).	mtrs	75		35	
5		25 mtr Approx for security post	No	1		513	
6		Supply, installation, commissioning of General purpose battens luminaire with energy efficient LED tube (Bajaj type BIPC 40W LED or Philips type BN208C LED40/NW L1200 FR with AC208C MB S (mounting bracket) or Equivalent for security post (one inside wall and one on the projected roof where door is located) for waiting hall - all four sides of projected roof waiting area building.	No	6		550	
7		Supply, installation, commissioning of 400 mm swing, wall mounted fan for security post Make: Havells, Orient, Crompton, Bajaj, Usha	No	1		3420	
8		Point wiring of light fittings/ Fans (concealed) (The scope covers supply & wiring 1100V grade PVC insulated single core copper conductor wire (without joint) of 1.5 sqmm FRLSH size cable drawn into concealed PVC conduit (including supply of conduit). The scope also covers the pulling of wire from switchbox to lighting/fan/exhaust fans point through the conduit and connecting both the ends with all accessories, like junction boxes & couplers, pull boxes, switch box, bends etc. for the security post(drawing of security post is attached) for security post and waiting room area (drawing attached. 3 Nos for security post 12 Nos for waiting area	Nos	15		1400	
9		Supply, installation, commissioning of Distribution box This board shall be provided with 40A 2P MCB and 5 nos. of 16 A-SP MCB and 5 nos 10A SP MCB, Type C Curve with complete wiring. This board shall conform to IS 8623 -1 &3 , IEC 61439 -1 & 3 , IEC 09 with double door, IP 43 , 1.6MM CRCA sheet, RAL 7003, powder coated.	No	1		6270	

80M²/10³/1000

80M²

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10		Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Color: White Make: Havells, Orient, Crompton, Bajaj and equivalent.	2	3990	
11		Supply, installation, Testing & commissioning of Switchboard concealed along with GI box and all accessories with 6 Nos. Piano type switches & 15/5A (3 pin cum 2 pin) switch sockets (2 Nos.), electronic fan regulator for 4 nos fan for	Nos 1	684	
12		Supply, installation, Testing & commissioning of Switchboard concealed along with GI box and all accessories with 2 Nos. Piano type switches for outside illumination of waiting room.	Nos 1	513	
13		Supply, Installation, Testing and Commissioning of Decorative luminaire for surface mounting with energy efficient LED lamp (36W) Make: Bajaj, Havells, Crompton, Philips, Halonix	Nos 6	1990	
TOTAL					

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