

TENDER DOCUMENT

**CIVIL AND ELECTRICAL WORKS (RENOVATION)
FOR SETTING UP OF AUDIOMETRY ROOMS**

AT

**VARIOUS CIVIL HOSPITALS IN
SOUTHERN HARYANA**

**PROJECTS DIVISION,
HLL LIFECARE LTD,
CORPORATE HEAD OFFICE, POOJAPPURA,
THIRUVANANTHAPURAM – 695 012,
KERALA, INDIA
PHN: ++91 471 2354949, 2775588**

FEBRUARY 2018

HLL LIFECARE LIMITED
 (A Government of India Enterprise)
 Projects Division
 Corporate Head Office, Poojappura.P.O,
 Thiruvananthapuram – 695012,
 Kerala, India
 Phone: 0471- 2354949, 2775588

INVITATION FOR BIDS (IFB)

IFB No : HLL/CHO/PROJ/HCD/HAR-AUD/SOUTH/C&E/2017-18

Date : 01-02-2018

HLL Lifecare Limited (HLL), a Government of India Enterprise is in the process of setting of AUDIOMETRY ROOMS at VARIOUS CIVIL HOSPITALS IN THE STATE OF HARYANA. For the said project, sealed and super scribed bids are invited from competent and experienced Suppliers/Contractors who are capable to do the following work meeting the requirements as per our tender.

Sl. No	Brief Description of Item/Work	Qty	EMD in Rs
1	Civil and Electrical Works (renovation) for setting up of Audiometry Rooms at 7 Civil Hospitals in the Southern region of Haryana, as per the Schedule of Work enclosed.	7 locations as per Tender	Rs 50,000/-

2. Qualification Criteria:

- a. Bidders should have minimum **Three years experience** in the relevant field. Documentary proof for the above eligibility criteria should be submitted along with the offer.
- b. Bidders, should have experience of having successfully completed within a period of last 3 years ending 31/01/2018 at least
 - i. One Civil & Electrical work of value not less than Rs 24 Lakhs
Or
 - ii. Two Civil & Electrical works, each of value not less than Rs 18 Lakhs
Or
 - iii. Three Civil & Electrical works, each of value not less than Rs 12 Lakhs

Note:- Copies of Work orders and Completion certificates issued by the Client/Authority concerned shall be submitted in proof of the same.

- c. Bidder should have satisfactorily completed at least one work for any Central/State Government Departments or Central/State PSU's or local bodies in the last three years ending 31/01/2018.

Note:- Copies of Work orders and Completion certificates issued by the Client/Authority concerned shall be submitted in proof of the same.

3. The work shall be awarded to the Qualified bidder, who quotes the lowest amount for the entire work.

4. The scheduled date for issue, receipt and opening of bids is as follows.

- a) Date of issue of tender document - 01-02-2018 onwards
- b) Last date and time for receipt of bids - 14-02-2018 up to 15.00 Hrs.
- c) Date and time of opening of bids - 14-02-2018, 15.30 Hrs.
- d) Address for communication, receipt and place of opening of bids:

SENIOR MANAGER (PROJECTS),

Projects Division,

HLL Lifecare Limited (A Government of India Enterprise)

Corporate Head Office, Poojappura.P.O,

Thiruvananthapuram – 695012,

Kerala, India

Phn: 0471- 2354949, 2775588

E-mail: harikrishnankp@lifecarehll.com, choprojects@lifecarehll.com

5. The completed and sealed bid documents should be submitted to Senior Manager (Projects), in the above address along with the EMD. The outer cover should bear the Enquiry No, closing date and General description of item tendered, and the words "DO NOT OPEN BEFORE" 15.30 Hrs (IST) on ----- (Indicate the Closing Date). EMD shall be submitted in the form of demand draft drawn from a nationalized bank in favor of HLL Lifecare Limited payable at Thiruvananthapuram. Bids received after due date and time will be rejected. Any bid not accompanied by EMD will be rejected.
6. Bids will be opened in the presence of Bidders representative(s) who choose to attend on the specified date and time, at the office of HLL at the address given in Clause 2 (d) above.
7. In the event of the date specified for bid receipt and opening being declared as a closed holiday for the above purchaser's office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.
8. HLL may, at its discretion, extend this deadline for submission of bids by amending the Bid Documents or any other reasons, in which case all rights and obligations of HLL and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
9. HLL will not be held responsible for the postal delay, if any, in the delivery of the bidding document or the non-receipt of the same. Bids sent by Telex/Fax/Telegraph will not be accepted.

10. The EMD should be enclosed in a separate envelope and super scribed as “EMD” and to be attached in the main cover.
11. SSI/MSME units interested in availing exemption from payment of EMD should submit a valid copy of their registration certificate issued by the concerned DIC or NSIC. But the Party has to provide Security deposit, if Tender is awarded to them.
12. Even though the bidder meet the above qualifying criteria, they are subject to be disqualified if they have:

Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc...

13. The Bid must include the following information;
 - a. Enquiry No.
 - b. EMD
 - c. Promised Delivery/Completion Schedule
 - d. Price Schedule in Format For Quoting (Schedule V)
 - e. All other documents/certificate/information as specified in the bid document.
14. In addition to the invitation for bids, the bidding documents include the following schedules.

Schedule I	-	Conditions of Contract
Schedule II	-	Acceptance Form
Schedule III	-	Capability Certificate
Schedule IV	-	Performance Statement
Schedule V	-	Schedule of Works
Schedule VI	-	Drawings

15. The company reserves the right to club or split the items of works, change the qualifying criteria at their discretion and to reject or cancel the Invitation for bids without assigning any reason thereof.

SENIOR MANAGER (PROJECTS)

SCHEDULE I

CONDITIONS OF CONTRACT

1) PRICE

The price quoted should be inclusive of all material cost, loading and unloading charges, all applicable taxes and other levies, charges, insurance etc. The **Schedule of Work** is enclosed as **SCHEDULE V** for the 7 Audiometry Rooms.

Price quoted should be firm without any escalation till the order is completely executed.

2) TAXES/DUTIES/LEVIES

The contractor shall be entirely responsible for all applicable taxes including GST, duties, license fees etc. incurred until successful completion of contract.

3) ESCALATION

The rates quoted by the Contractor in the contract documents shall be final and shall not be subjected to any change due to the increase in works awarded or wages or inflation in the cost of materials or any other price variations due to any reason during the stipulated time period of the contract or during the extended time period of completion.

Rates quoted should be inclusive of all cost of materials, Tools/Equipments charges, conveyance to site, handling charges, loading and unloading charges, hiring charges, clearing of debris, statutory payments etc.

4) COMPLETION TIME

Time is the essence of the Contract. The total time allotted for completion of works of 7 Audiometry Rooms in all respects is 8 WEEKS from the date of issue of the Letter Of Intent or Work Order.

5) PAYMENT TERMS

The contractor can submit two running account bills during the work period and payment made as below:

- a) 50% of the total value of work may be released upon the completion of 60 % of the work recommended by HLL Site Engineer, countersigned by Regional In charge/ State In charge.
- b) Balance 50% will be paid along with the final bill only after issue of Work Completion certificate by Engineer In Charge & Regional In Charge of HLL Lifecare Ltd, countersigned by Business Manager (P&S), CMO or Deputy General Manager (Mktg), CMO.

5% amount of the Bill will be retained as retention money and will be released only after the Defect liability period of 12 months.

Final Bill to be submitted detailing the work description, quantity and rate as per the Work Order. Payment will be made against actual measurements recorded and certified jointly by HLL Engineer in charge and the Contractor's representative, counter signed by Business Manager (P&S), CMO or Deputy General Manager (Mktg), CMO.

The running account bills are to be submitted detailing the work description, quantity and rate as per the Work Order. Payment will be made against actual measurements recorded and certified jointly by HLL Engineer in charge and the Contractor's representative. For supply of capital items, duly certified delivery challan/supporting documents such as Warranty Certificates etc. shall be enclosed along with bill.

Tax Deduction: All statutory deductions like GST, Income Tax, Works Contract Tax, E.S.I., P.F. or any other government-imposed liabilities shall be borne by the Contractor (as applicable at the time of execution of job) and shall be deducted from each bill submitted by the Contractor.

6) SECURITY DEPOSIT

- 6.1 Simultaneously with the execution of the contract successful bidder shall furnish a Security deposit in the form of a Demand Draft from a nationalised bank drawn in favour of HLL Lifecare Limited, Thiruvananthapuram payable at Thiruvananthapuram or a Bank Guarantee from a nationalised bank, for an amount equal to 5% of the total contract value as Security Deposit for his faithful execution of contract. The Security deposit should be valid until successful completion of the contract and acceptance of the Equipment/works by the Purchaser/Owner and will be released after acceptance of the Equipment/works by the Purchaser/Owner. In case of a delay in the works the validity of security deposit shall be extended.
- 6.2 Within 10 days of the receipt of notification of award from the Purchaser/Owner; the successful Bidder shall furnish the security deposit in the form of a Demand Draft or Bank Guarantee in the security deposit form to be sent along with the Notification of Award.
- 6.3 Failure of the successful Bidder to accept the notification of award or submission of security deposit within the timeframe shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD, in which even the Purchaser/Owner may make the award to the next lowest evaluated bidder or call for new bids.

7) EARNEST MONEY

- 7.1 Each bid must be accompanied by E.M.D.
- 7.2 The EMD is required to protect the Purchaser/Owner against risk of Bidder's conduct, which would warrant the security's forfeiture.

- a. The EMD shall be in the form of cash deposit or demand draft from a nationalized bank drawn in favour of HLL Lifecare Limited, Thiruvananthapuram payable at Thiruvananthapuram.
- b. E.M.D. from unsuccessful bidders will be returned after the acceptance of order by the L1 party.
- c. In the case of successful bidder, the Earnest Money will be returned after signing the contract, and submission of Security Deposit, which they will have to offer for the faithful execution of the contract.

7.3 The EMD may be forfeited:

- (a) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bidding Document; or
- (b) In case of the successful Bidder, if the Bidder fails:
 - (i) to sign the Contract
 - (ii) to furnish security deposit

7.4 SSI/MSME units interested in availing exemption from payment of EMD should submit a valid copy of their registration certificate issued by the concerned DIC or NSIC.

8) INDEMNIFICATION CLAUSE

The Bidder shall indemnify and hold harmless the Owner/Purchaser from and against the below mentioned:

- i. All claims, demands, action, proceedings, losses, damages, liabilities, cost, charges, expenses or obligations that are occasioned or may occasion to HLL as a result of our non-payment of any statutory dues levied/leviable on the Contractor or the Contractor committing breach of any the rules, regulations, orders, directives, instructions that may be issued by any authority under various Laws, PF, ESI Acts and all other applicable Laws/Acts/Rules or any other Statute or Laws for the time being in force
- ii. Any damages, loss or expenses due to or resulting from any negligence or breach of duty on our part or on the part of Sub-Contractor/s, if any, servants or agents of the Bidder.
- iii. Claims, if any, of the employee or the Contractor and its Sub Contractor/s, under the Workmen's Compensation Act, 1923 and Employer's Liability Act 1938 or any other Laws rules and regulations in force for the time being in India and any acts replacing and/or amending the same or any of the same as may be in force at the time and under any law in respect of injuries to persons or property arising out of and in the course of the execution of the contract work and / or arising out of and in the course of employment of any workmen / employee.
- iv. Any non - compliance or improper compliance of statutes, rules and regulations which are applicable to HLL and also to the Contractor and to the employees , in respect of (a) Employees' Provident Fund and Miscellaneous Provision Act, 1952,

(b) Employees State Insurance Act, 1948, (c) Minimum Wages Act, 1948 (d) Payment of Wages Act, 1936 (e) Bonus Act, 1965 (f) Workmen's Compensation Act, 1923 and / or any other laws which may become applicable in respect of the Contract/ Agreement between HLL and the Bidder.

- v. Any Act or omission by us or our Sub-contractor/s, if any, our /their servants or agents which may involve any loss, damages, liability, civil or criminal action.
- vi. To protect against all claims for damage caused due to non-obtaining of insurance policy during the project period.

9) DEFECT LIABILITY PERIOD:

The defect liability period of the work shall be 12 months from the date of completion of the work and this date will start from successful completion and handing over. If any damage or defect occurs in the work during this period then the Contractor shall rectify the damage or defect at his own expense to the satisfaction of the Purchaser/Owner. If the Contractor fails to do so, then the Purchaser/Owner shall have the authority to get the work done by other means and the expenditure incurred shall be recovered from the Contractor.

Even if Inspection and/or tests are fully carried out by Purchaser/Owner or their representatives, the Contractor is not absolved to any degree of his responsibility to ensure that all equipment fabricated comply strictly with the requirements as per specifications given in the order, and the Purchaser/Owner shall be free to point out any defect till the defect liability period is over.

10) FORCE MAJEURE

- a. Neither the Contractor nor the Purchaser/Owner shall be considered in default in the performance of their obligations as per the Contract so long as such performance is prevented or delayed because of strikes, war, hostilities, revolution, civil commotion, epidemics, accidents, fire, cyclone, flood or because of any law and order proclamation, regulation or ordinance of Government or subdivision thereof or because of any act of God. The proof of existence of force majeure shall be provided by the party claiming it to the satisfaction of the other.
- b. The Contractor shall advise Purchaser/Owner initially by a Fax, followed by post, the beginning and end of any of the above causes of delay, failing which Purchaser/Owner shall not be liable to consider delays due to the above reasons. Notice as stated above should be given even in case where only the Contractor's bids are under the consideration of the Purchaser/Owner and no acceptance of the same has been given and detailed order issued.
- c. In the event of definite delay even if arising out of reasons due to force majeure, Purchaser/Owner shall have the right at their discretion to cancel the Order or part of the Order without any liability on their part to make any payment to the Contractor while reserving the right to claim refund of and any payment if advanced or paid to Contractor.

11) DELAY IN WORK EXECUTION DUE TO REASONS BEYOND CONTRACTOR'S CONTROL

- 11.1 Force majeure: If the execution of work is delayed due to force majeure, then Purchaser/Owner as per the affected period may extend the time period.
- 11.2 In case work is delayed due to non-availability of stores supplied by Owner or any decision by Owner holding the progress of work, the contractor then upon any such happening causing delay shall immediately but not later than 10 days, give notice thereof in writing to the Owner, but nevertheless use constantly his best effort to prevent or make good delay. The Owner may in his discretion grant such extension of time as may appear reasonable to him and the same shall be communicated to the contractor in writing and shall be final and binding on him and the contractor shall be bound to complete the work within such extended time.

12) LIQUIDATED DAMAGES FOR DELAYS

If the work is not completed and handed over to the Purchaser/Owner within the time stipulated in the Order, Purchaser/Owner may at their option, either (1) recover from the Contractor liquidated damages at the rate of 0.5 % of the total contract value for every week of delay, subject to a maximum of 7.5 % of the total contract value, or (2) at the risk and cost of the Contractor and without prejudice to the other remedies/rights as per the Contract, terminate the order wholly or partially and complete it themselves or reassign it to other contractors.

13) SPECIAL INSTRUCTIONS

- 13.1 The bidder shall visit the site before quoting for the work and also take their own assessments before quoting of bids.**
- 13.2 All pages of the bid, except for un-amended printed literature shall be signed by the person or persons signing the bid. The seal of the company shall be stamped in all pages.
- 13.3 Bids shall be made in English. The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be signed by the person or persons signing the bid.
- 13.4 To assist in the examination, evaluation and comparison of bids, the Owner may, at its discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in the rate or substance of the bid shall be sought, offered or permitted.
- 13.5 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be calculated. If there is a discrepancy between the words and figures of unit price, the amount in words of unit price shall prevail.

- 13.6 Prior to the detailed evaluation, the Owner will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these clauses, a substantially responsive bid is one, which conforms to specifications and all the terms and conditions of the bidding documents without material deviation. The Owner's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 13.7 The Owner's determination as to the substantial responsiveness or otherwise of each bid or consideration of a minor informality or non-conformity or irregularity is final and conclusive.
- 13.8 The Owner reserves the right to negotiate with the lowest evaluated responsive bidder.
- 13.9 The Owner will award the Contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily for the items offered.
- 13.10 Prior to the expiration of the period of bid validity, the Owner will notify the successful Bidder in writing by or cable or telex or fax, to be confirmed in writing by post, that its bid has been accepted. The notification of award may be sent in the form of Letter of Intent and/or Work order.
- 13.11 The signed acceptance of the notification of award by the Contractor will constitute a concluded contract.
- 13.12 The work should be carried out without causing any inconvenience to the public and shall ensure that no damages are caused to the existing site premises.
- 13.13 During the execution of work, the contractor or authorized representative should be present at site.
- 13.14 All Materials, Equipment's/ Tools required for the work should be arranged by the contractor and brought to site for the timely completion of the work.
- 13.15 The materials used shall be as per specification and of good quality.
- 13.16 The Contractor has to arrange necessary insurance coverage for the machine, workmen etc. deployed by him. He shall arrange all safety measures to protect his workmen and also the properties of HLL/Hospital Building. The work site safety of all employees, their ESI, PF etc will have to be borne by the contractor.
- 13.17 The work should be carried out in truly professional manner, neatly finished with proper line, level and plumb. Cleanliness and finishing of the job is of utmost importance. Hence the job should be done most carefully with best workmanship. For all finishing jobs samples should be approved from the Purchaser/Owner before completely executing the work.

- 13.18 The Purchaser/Owner should be immediately informed for any discrepancy in drawings, specifications and instructions in the execution of job before actual execution of particular item having discrepancy.
- 13.19 Any item found to be having been executed with poor workmanship then the Contractor shall have to rectify /reconstruct the work as specified by Purchaser/Owner. No extra charge will be admissible in such case. If CONTRACTORS fails to do so, the Purchaser/Owner reserved the right to rectify/reconstruct the work through some other agency at the expenses of Contractor.
- 13.20 The schedule of activities as submitted by the Contractor shall have to be strictly adhered to. Regular progress reports shall have to be submitted by the Contractor giving all details for monitoring of the schedule.
- 13.21 The Contractor shall make initial drawings/layouts (as per site conditions) and get it approved by HLL before execution.
- 13.22 Special care is to be taken for cleanliness of the site. After the end of day's work, the site should be cleaned immediately.
- 13.23 The Contractor shall have to co-operate with the agencies executing other works in the same area.
- 13.24 While executing the work, the Contractor shall ensure safety and security of the property of the Purchaser/Owner so as to avoid theft etc.
- 13.25 Measurement & Payment terms:

The method of measurement of completed work shall be in accordance with the standard measurement. Payment will be made on satisfactorily completion of work as per the order. Interim or running account bills shall be submitted by the contractor for the work executed on the basis of such recorded measurements in the format of HLL. All such interim payments shall be regarded as payment by way of advances against final payment only, and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or re erected. Any certificate given by the officer relating to the work done or materials delivered forming part of such payment, may be modified, or corrected by any subsequent such certificate(s) or by the final certificate and shall not by itself be conclusive evident that any work or material so which it relates is /are in accordance with the contract and certificate. Any such interim payment,/any part there of shall not in any respect conclude, determine or affect in any way powers of the engineer in charge under the contract or any of such payment s be treated as final settlement and adjustment of accounts or in any way vary or affect the contract.

- 13.26 If contractor is executing any extra items as per direction of Engineer in charge / Officer in charge, the rates shall be worked out as per the latest CPWD Schedule of Rates and in case, the item is not included in the CPWD schedule, the rate shall be arrived as per prevailing Market rates.

- 13.27 The Quantity shown in the schedule is an approximate estimated quantity. No rate revision will be entertained if the quantity increases/decreases due to the site condition while executing the work.
- 13.28 Water and Electricity: The contractor shall make his own arrangement for water and electricity required for the works. HLL will not be responsible for the supply of either electricity or water.
- 13.29 During the execution of work, the contractor or authorized representative/s at least one person having technical qualification should be present at site.
- 13.30 The contractor shall comply with by-laws and regulation of local and statutory authorities having jurisdiction over the work and shall be responsible for payment of all statutory fees and other charges and the giving and receiving of all necessary notices and the Owner shall be kept informed of the said compliances with by-laws, payment made, notices issued and received. All statutory payments shall be made by the Contractor and the same will be reimbursed by HLL on producing original challans/receipts.
- 13.31 Electrical
The work shall be carried out by a contractor holding valid licence issued by the State Government/Competent Authority for carrying out installation work of all voltage classes involved, under direct supervision of the persons holding valid certificates issued or recognized by the state government/competent authority.
- 13.32 Final payment shall be paid only after clearing the site as per direction of Engineer-in-charge/ Officer in charge.

14) CORRESPONDENCE

All correspondence relating to this Order shall be in English, to:

SENIOR MANAGER (PROJECTS),
PROJECTS DIVISION,
HLL LIFECARE LIMITED (A Government of India Enterprise)
Corporate Head Office, Poojappura.P.O,
Thiruvananthapuram – 695012, Kerala, India
Phn: 0471- 2354949, 2775588
E-mail: choprojects@lifecarehll.com, harikrishnankp@lifecarehll.com

15) SETTLEMENT OF DISPUTES

Arbitration shall not be a means of settlement of any dispute or claim arising out of the contract relating to the work. Any disputes or difference arising between the parties with respect to the performance of any part of this agreement or anything connected therewith, etc shall as far as possible be mutually settled by the process of dialog and negotiation.

The Courts at Thiruvananthapuram alone shall have jurisdiction in respect of settlement of any matter arising out or in connection with the contract.

SCHEDULE II

ACCEPTANCE FORM

(To be submitted in the letter pad of the firm indicating full name and address, telephone & fax numbers etc.)

From

To

Senior Manager (Projects),
Projects Division,
HLL Lifecare Limited (A Government of India Enterprise)
Corporate Head Office, Poojappura.P.O,
Thiruvananthapuram – 695012,
Kerala, India
Phn: 0471- 2354949, 2775588
E-mail: harikrishnankp@lifecarehll.com, choprojects@lifecarehll.com

Dear Sir,

I / We, hereby offer to supply/construct/erect/install/commission the work as detailed in schedule/drawings hereto or such portion thereof as you may specify in the acceptance of Bid at the price given in the price bid and agree to hold this offer open till 90 days after the date of bid opening prescribed by the purchaser/Owner. I/We have understood the terms and conditions mentioned in the invitation for bid and Conditions of Contract furnished by you and have thoroughly examined the specifications quoted in the bid document/drawings hereto and are fully aware of the nature of the scope of work required and my/our offer is to comply strictly in accordance with the requirement and the terms and conditions mentioned above.

Yours faithfully,

SIGNATURE OF THE BIDDER

SCHEDULE III

CAPABILITY CERTIFICATE

(To be submitted in the letter pad of the firm indicating full name and address, telephone & fax numbers etc.)

I/We have the financial capability to execute the work and complete the same within the specified time period (6 weeks). The delay, if any, in taking measurements, certification of bills, submission of bills and release of payments will not affect the progress and completion of work. I have read all the terms and conditions of the tender document including payment terms and confirm my acceptance of the same.

SIGNATURE OF THE BIDDER WITH SEAL

SCHEDULE IV

PROFORMA FOR PERFORMANCE STATEMENT

Proforma for Performance Statement (for a period of last 3 year)

Name of the Tenderer:.....

Name & Address of the Tenderer / Service Provider:.....

.....

Order placed by (Full Address of Company / Consignee)	Order No. and Date	Description and quantity of ordered work and service	Value of order	Date of Completion of Contract		Remarks indicating reasons for delay, if any	Have the works been satisfactorily completed? (Attach a documentary proof from the client)
				As per Contract	Actual		

We hereby certify that if at any time, information furnished by us is proved to be false or incorrect, we are liable for any action as deemed fit by the Company in addition to forfeiture of earnest money.

Signature and Seal of the Bidder

.....

LIST OF LOCATIONS

Sl.No	LOCATIONS
1	BHIWANI
2	FARIDABAD
3	GURGAON
4	MEWAT
5	PANIPAT
6	REWARI
7	SONIPAT

SCHEDULE V

SCHEDULE OF WORK

SCHEDULE V

SCHEDULE OF WORK - BHIWANI

S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
CIVIL WORKS					
CEMENT CONCRETE					
1	Cement concrete 1:5:10 (1 cement ,5 sand , 10 hard blue granite stone metal 40mm and down gauge) laid in layers not exceeding 15cm each in depth and well consolidated in foundation/levelling course including necessary shuttering , in steps, in floors, etc . all complete as directed.	Cu.m	0.00		
2	Cement concrete 1:4:8 (1 cement ,4 sand , 8 hard blue granite stone metal 40mm and down gauge in layers not exceeding 15 cms in depth well consolidated in foundation and levelling course under floors including necessary shuttering, in steps etc all complete as directed.	Cu.m	1.00		
MASONRY WORK					
3	Brickwork of locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in cement mortar 1:5 (1 cement,5 sand) in foundation and plinth. No extra payment will be paid for any shape or size,turnings, fins, etc unless otherwise specified seperately.	Cu.m	0.00		
4	Half brickwork with locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in CM 1:3 (1 cement 3 sand) and reinforced with two numbers of 6mm dia. M.S rods at every fourth course embedded in cement mortar 1:4 for partitions.				
4.1	In Ground Floor	Sq.m	6.00		
FLOORING					
5	Providing & laying first class full body vitrified ceramic tile of make Kajaria/ Restile/Johnson or equivalent of size 600mmx600mmx 9.5mm or approved size of approved colour (matt finish) in flooring using spacer of required size (2mm-4mm) from endura or equivalent over a bed of cement mortar 1:4 of required thickness to match finished floor level mentioned and to match the neighbouring floor finish and jointed with epoxy grout of approved shade from Bal Endura or equivalent brand all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern in the flooring like border, cut tiles,etc.	Sq.m	16.00		

SCHEDULE V

SCHEDULE OF WORK - BHIWANI

S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
6	<p>Providing and laying 600mm x 600mm or required size from Kajaria/ Restile/Johnson glazed tiles of plain series(Satin finish) in dado set in CM 1:3 with joints so as to form a true & even surface and joints finished neatly with white cement mixed with matching pigments all complete as directed. (Rate should include base plastering with CM 1:5 of required thickness.)</p> <p>The rate shall include cost of providing 6mmx6mm groove in the plastering at top of the tile all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern like border, etc.</p>	Sq.m	0.00		
7	<p>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 over 0.50 sqm</p>	Sq.m	0.00		
PLASTERING					
8	<p>Prepare surfaces and plaster with CM 1:3(1 cement, 3 sand) ,12mm minimum thick (sponge finish) to ceiling sides and soffit of beams and columns and other interior and exterior RCC surfaces not contiguous to masonry.</p>	Sq.m	18.00		
9	<p>Prepare surfaces and plaster with CM 1:5(1 cement, 5 sand) ,12mm minimum thick to all interior faces of walls (sponge finish) including RCC surfaces not contiguous to masonry.Necessary internal grooves of size 10mmx10mm shall be carried out as shown/directed by engineer-in-charge.</p>	Sq.m	0.00		
PAINTING					
10	<p>Prepare surfaces and paint two coats of plastic emulsion paint of approved colour over two coats of Gypsum punning of 6 mm minimum thick and primer all complete as per manufacturers specifications to all ceilings in all floors.</p>	Sq.m	0.00		
11	<p>Finishing with oil bound washable Interior Emulsion of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer</p>	Sq.m	112.00		

SCHEDULE V

SCHEDULE OF WORK - BHIWANI

S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
12	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	Sq.m	12.00		
13	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	Sq.m	9.00		
14	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sq.m	112.00		
15	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sq.m	0.00		
16	Finishing with Deluxe Multi surface paint system for exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm	Sq.m	0.00		
DISMANTLING					
17	Dismantling plastered brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	Cu.m	2.00		
18	Dismantling the existing RCC concrete including cutting the reinforcement, stacking the useful materials as directed by engineer-in-charge, dumping the dismantled debris as indicated at site, leveling, consolidating, all complete as directed and disposal of debris away from site all complete.	Cu.m	1.00		
19	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	SQM	36.00		
20	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	EACH	2.00		
21	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	Sq.m	36.00		
FALSE CEILING & CLADDING					

SCHEDULE V**SCHEDULE OF WORK - BHIWANI**

SCHEDULE OF WORK - BHIWANI					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
22	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including: Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all	Sq.m	0.00		
23	Providing & fixing 35mm Flush doors 1.0 mm thk laminate as per design. The item includes Providing and fixing chaukhats made from 100mm x 50mm teak wood members. The Doors to have all hardware such as 125mm SS hinges, 450 mm long SS handles, SS tower bolts, Mortice Locks (Dorma/ Godrej). The item also includes SS rods 6mmx6mm inserted in grooves as per details complete to the satisfaction of Architects / HLL. Size of Door: 1000 x2100mm Including chaukhats.	Sq.m	3.00		

SCHEDULE V

SCHEDULE OF WORK - BHIWANI

SCHEDULE OF WORK - BHIWANI					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
24	Providing and Fixing Acoustic tiles of 15 mm thickness and tegular edge, easily demountable tile, manufactured from High density glass wool, with the visible surface batch painted glass tissue in white and the back of the tile should be covered with glass tissue. The glass wool core of the tiles should be tested and classified as noncombustible according to prEN ISO 1182. The system should have Sound Absorption NRC value of 0.9 (according to ASTM C 423). Tiles should withstand a permanent ambient RH Upto 95% at 30°C without sagging, warping or delaminating (ISO 4611). The light reflectance of the tiles should not be less than 83%. Tiles certified by the indoor climate labeling and recommended by Swedish asthma and allergy association and granted Nordic Swan eco-label and fully recyclable. The glass wool core of the tiles should be tested and classified as non combustibile according to EN ISO 1182 and the ceilings should fall under Class A2 -s1 d0 according to EN 13501- 1.	Sq.m	16		
25	Operable Acoustic Partitions (Type 2) - Training rooms (G.F.) (Without perforation) with openable and foldable doors alongwith complete arrangement and fittings required and as per the drawing. Supply and installation of operable acoustical partitions in designated area comprising individual panels 100mm thick and maximum 1200mm wide Panels shall be of all Steel construction and shall fully enclose and protect all edges of surface material with protective edge trim. Panel skins shall be of MDF Board (good quality Exterior Grade) laminated to steel structure and acoustical backing, mounted in full aluminium profile perimeter protective frames. Vertical sound seals between panels shall be tounge and groove configuration incorporating vinyl acoustical seals Panel weight shall not exceed 55 kg/sqm. Panels shall be suspended from roll-formed steel track system suspended from steel supports by threaded rods. Each panel shall be top supported by two trolley assemblies comprising steel ball bearing wheels. Partitions to be complete with Veneer in both sides as per approved sample (with a base rate of Rs. 200 Per Sqft). Panels shall have operable top and bottom seals simultaneously operated by a removable handle. The seals shall not contact floor or track during movement of panels. Panels shall also feature horizontal seals for stabilization and acoustic performance. Final partition closure to be accomplished by lever closure panel of same construction as basic panel but provided with an expanding jamb operated by a removable handle. The	Sq.m	62		

SCHEDULE V

SCHEDULE OF WORK - BHIWANI

Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
26	Providing and Fixing Wooden false Ceiling comprising of a Galvanized MS frame as required covered with 12 mm thick Marine ply, followed by 6 mm premium quality MDF for making groove and finished with a natural veneer (as approved) of 3.5 mm thickness duly Spirit polished with melamine matt coating. The ceiling shall be fixed to the roof soffit with adequate suspenders. The item shall be inclusive of cutting & making cutouts for lights, diffusers etc all complete. (veneer with basic cost Upto Rs:100 per sft FOR site)	Sq.m	0		
Total for Civil Works					
ELECTRICAL WORKS					
1	Point wiring in PVC conduit with modular type switch.				
2	Wiring for light point/fan point/exhaust fan point /call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable PVC box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required.				
2.1	Group C	Point	4		
Wiring through PVC conduit					
3	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required. (Make:Havells/Finolex/V-guard/Polycab)				
3.1	2X1.5 sq.mm + 1X1.5 sq.mm earth wire	Metre	26		
3.2	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	Metre	18		
3.3	2X4 sq.mm + 1X4 sq.mm earth wire	Metre	0		
Telephone wiring in existing conduit:					
4	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
4.1	2 Pair	Metre	0		
A/C point					
5	S/F 20A SPN MCB industrial socket outlet: Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.(Make: Legrand/Havells/HPL)	Point	2		
Modular type blanking plate:					
6	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.(Make: Legrand/Havells/HPL)	Each	0		
7	Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand/Havells/HPL)				
7.1	3 module	Each	2		
7.2	4 module	Each	1		
7.3	6 module	Each	4		
Modular type switch/socket:					

SCHEDULE V

SCHEDULE OF WORK - BHIWANI

Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
8	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required. (Make: Legrand/Havells/HPL)				
8.1	5/6 Amps switch	Each	8		
8.2	3 pin 5/6 Amp socket outlet	Each	8		
8.3	15/16 Amps switch	Each	2		
8.4	6pin 15/16 Amps (universal) socket outlet	Each	2		
8.5	Telephone socket outlet	Each	0		
	S/F PVC conduit:				
9	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.(ISI Make)				
9.1	20 mm	Metre	28		
9.2	25 mm	Metre	18		
10	ITC Fluorescent fitting directly on surface: Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/LED of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	4		
11	ITC Ceiling fan: Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	0		
12	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	0		
	CABLE SUPPLY, LAYING AND TERMINATION				
13	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
13.1	From Main to DB				
13.2	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	25		
14	Supply of 10W LED fittings with decorative end cap, powder coated CRCA steel channel complete with all electrical accessories like electronic ballast, lamp holder, 10W lamp etc complete as required. (Havells LHEWEBP7IN1W010/	Each	4		
15	Supply and installation of 18 W CFL with its all accessories.	Each	0		
16	Supply and installation of 1200 mm sweep Ceiling fan, white colour, 5 star rated as per BEE complete with blades, down rod, shackle, canopy etc(Make Havells/bajaj/usha/V-guard/Crompton)	Each	0		
17	Supply and installation wall fan, white colour, 5 star rated as per BEE complete with its all accessories(Make Havells/bajaj/usha/V-guard)	Each	0		

SCHEDULE V

SCHEDULE OF WORK - BHIWANI

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana

S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
	S/F SP & N DB:				
18	Supplying and fixing following way prewired SP&N MCB, distribution board of steel sheet for 240 volts on surface/recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, detachable gland plate, interconnections, powder painted including earthing etc.as required(But without MCB/RCCB/Isolator) (Make: Legrand/Havells/HPL)				
18.1	4 way SPN, double door	Each	0		
18.2	6 way SPN, double door	Each	1		
	S/F of DP ISOLATOR				
19	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, ISOLATOR having a sensitivity current upto 100 to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc, as required. (Make: Legrand/Havells/HPL)				
19.1	40A, DP isolator	Each	1		
19.2	32A, DP Isolator	Each	0		
	S/F of SP MCB				
20	Supplying and fixing 6 amps to 10 amps rating, 240 Volts, "C" series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required. (Make: Legrand/Havells/HPL)				
20.1	6/10A SP MCB	Each	4		
	Miscellaneous Items				
22	Miscellaneous electrical work, removing of existing conduits and interconnections of light,6A socket/16A socket/A/C point from existing DB	LS	0		
23	Miscellaneous work for supply and fixing of 1-tube light & 1- 3 star rated ceiling fan with its all accessories only as per the direction of engineer in charge.[ISI MAKE]	Ls	0		
Total for Electrical Works					
Grand Total				Rs.	
GST @ 18%				Rs.	
Grand Total (In Rs. Incl. of taxes)				Rs.	

I AGREE TO EXECUTE THE WORKS AS PER THE RATES QUOTED ABOVE

Signature of Contractor

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
CIVIL WORKS					
CEMENT CONCRETE					
1	Cement concrete 1:5:10 (1 cement ,5 sand , 10 hard blue granite stone metal 40mm and down gauge) laid in layers not exceeding 15cm each in depth and well consolidated in foundation/levelling course including necessary shuttering , in steps, in floors, etc . all complete as directed.	Cu.m	0.00		
2	Cement concrete 1:4:8 (1 cement ,4 sand , 8 hard blue granite stone metal 40mm and down gauge in layers not exceeding 15 cms in depth well consolidated in foundation and levelling course under floors including necessary shuttering, in steps etc all complete as directed.	Cu.m	1.00		
MASONRY WORK					
3	Brickwork of locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in cement mortar 1:5 (1 cement,5 sand) in foundation and plinth. No extra payment will be paid for any shape or size,turnings, fins, etc unless otherwise specified seperately.	Cu.m	0.00		
4	Half brickwork with locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in CM 1:3 (1 cement 3 sand) and reinforced with two numbers of 6mm dia. M.S rods at every fourth course embedded in cement mortar 1:4 for partitions.				
	In Ground Floor	Sq.m	6.00		
FLOORING					
5	Providing & laying first class full body vitrified ceramic tile of make Kajaria/ Restile/Johnson or equivlent of size 600mmx600mmx 9.5mm or approved size of approved colour (matt finish) in flooring using spacer of required size (2mm-4mm) from endura or equivalent over a bed of cement mortar 1:4 of required thickness to match finished floor level mentioned and to match the neighbouring floor finish and jointed with epoxy grout of approved shade from Bal Endura or equivalent brand all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern in the flooring like border, cut tiles,etc.	Sq.m	34.00		
6	Providing and laying 600mm x 600mm or required size from Kajaria/ Restile/Johnson glazed tiles of plain series(Satin finish) in dado set in CM 1:3 with joints so as to form a true & even surface and joints finished neatly with white cement mixed with matching pigments all complete as directed. (Rate should include base plastering with CM 1:5 of required thickness.) The rate shall include cost of providing 6mmx6mm groove in the plastering at top of the tile all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern like border, etc.	Sq.m	0.00		
	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 over 0.50 sqm	Sq.m	0.00		
PLASTERING					

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD

SCHEDULE OF WORK - FARIDABAD					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
7	Prepare surfaces and plaster with CM 1:3(1 cement, 3 sand) ,12mm minimum thick (sponge finish) to ceiling sides and soffit of beams and columns and other interior and exterior RCC surfaces not contiguous to masonry.	Sq.m	18.00		
8	Prepare surfaces and plaster with CM 1:5(1 cement, 5 sand) ,12mm minimum thick to all interior faces of walls (sponge finish) including RCC surfaces not contiguous to masonry.Necessary internal grooves of size 10mmx10mm shall be carried out as shown/directed by engineer-in-charge.	Sq.m	0.00		
PAINTING					
9	Prepare surfaces and paint two coats of plastic emulsion paint of approved colour over two coats of Gypsum punning of 6 mm minimum thick and primer all complete as per manufacturers specifications to all ceilings in all floors.	Sq.m	0.00		
10	Finishing with oil bound washable Interior Emulsion of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	Sq.m	112.00		
11	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	Sq.m	12.00		
12	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	Sq.m	9.00		
13	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sq.m	112.00		
14	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sq.m	0.00		
15	Finishing with Deluxe Multi surface paint system for exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm	Sq.m	0.00		
DISMANTLING					
16	Dismantling plastered brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	Cu.m	2.00		
17	Dismantling the existing RCC concrete including cutting the reinforcement, stacking the useful materials as directed by engineer-in-charge, dumping the dismantled debris as indicated at site, leveling, consolidating, all complete as directed and disposal of debris away from site all complete.	Cu.m	1.00		
18	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	SQM	36.00		
19	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	EACH	2.00		

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD

SCHEDULE OF WORK - FARIDABAD					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
20	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	Sq.m	36.00		
FALSE CEILING & CLADDING					
21	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including: Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-	Sq.m	0.00		
22	Providing & fixing 35mm Flush doors 1.0 mm thk laminate as per design. The item includes Providing and fixing chaukhats made from 100mm x 50mm teak wood members. The Doors to have all hardware such as 125mm SS hinges, 450 mm long SS handles, SS tower bolts, Mortice Locks (Dorma/ Godrej). The item also includes SS rods 6mmx6mm inserted in grooves as per details complete to the satisfaction of Architects / HLL. Size of Door: 1000 x2100mm Including chaukhats.	Sq.m	3.00		
23	Providing and Fixing Acoustic tiles of 15 mm thickness and tegular edge, easily demountable tile, manufactured from High density glass wool, with the visible surface batch painted glass tissue in white and the back of the tile should be covered with glass tissue. The glass wool core of the tiles should be tested and classified as noncombustible according to prEN ISO 1182. The system should have Sound Absorption NRC value of 0.9 (according to ASTM C 423). Tiles should withstand a permanent ambient RH Upto 95% at 30°C without sagging, warping or delaminating (ISO 4611). The light reflectance of the tiles should not be less than 83%. Tiles certified by the indoor climate labeling and recommended by Swedish asthma and allergy association and granted Nordic Swan eco-label and fully recyclable. The glass wool core of the tiles should be tested and classified as non combustibile according to EN ISO 1182 and the ceilings should fall under Class A2 -s1 d0 according to EN 13501- 1.	Sq.m	34.00		

SCHEDULE V**SCHEDULE OF WORK - FARIDABAD**

SCHEDULE OF WORK - FARIDABAD					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
24	Operable Acoustic Partitions (Type 2) - Training rooms (G.F.) (Without perforation) with openable and foldable doors alongwith complete arrangement and fittings required and as per the drawing. Supply and installation of operable acoustical partitions in designated area comprising individual panels 100mm thick and maximum 1200mm wide Panels shall be of all Steel construction and shall fully enclose and protect all edges of surface material with protective edge trim. Panel skins shall be of MDF Board (good quality Exterior Grade) laminated to steel structure and acoustical backing, mounted in full aluminium profile perimeter protective frames. Vertical sound seals between panels shall be tongue and groove configuration incorporating vinyl acoustical seals Panel weight shall not exceed 55 kg/sqm. Panels shall be suspended from roll-formed steel track system suspended from steel supports by threaded rods. Each panel shall be top supported by two trolley assemblies comprising steel ball bearing wheels. Partitions to be complete with Veneer in both sides as per approved sample (with a base rate of Rs. 200 Per Sqft). Panels shall have operable top and bottom seals simultaneously operated by a removable handle. The seals shall not contact floor or track during movement of panels. Panels shall also feature horizontal seals for stabilization and acoustic performance. Final partition closure to be accomplished by lever closure panel of same construction as basic panel but provided with an expanding jamb operated by a removable handle. The partition shall have been tested by an independent acoustical laboratory and shall have weighted SRI (Rw) of at least 51 in accordance with ASTM E90/DIN 52210. After installation, operable partition shall be tested by manufacturer in presence of client's representative and consultant. Noise reduction measurements shall be made in accordance with ASTM E336. NIC shall be calculated as per ASTM E413. Noise reduction shall meet NIC 51. Entire work to be done complete as per drawings, specifications and direction of E-I-C.	Sq.m	87.00		
25	Providing and Fixing Wooden false Ceiling comprising of a Galvanized MS frame as required covered with 12 mm thick Marine ply, followed by 6 mm premium quality MDF for making groove and finished with a natural veneer (as approved) of 3.5 mm thickness duly Spirit polished with melamine matt coating. The ceiling shall be fixed to the roof soffit with adequate suspenders. The item shall be inclusive of cutting & making cutouts for lights, diffusers etc all complete. (veneer with basic cost Upto Rs:100 per sft FOR site)	Sq.m	0.00		
TOTAL for Civil Works					

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
ELECTRICAL WORKS					
1	Point wiring in PVC conduit with modular type switch.				
	Wiring for light point/fan point/exhaust fan point /call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable PVC box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required.				
	Group C	Point	4.00		
2	Wiring through PVC conduit				
	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.(Make:Havells/Finolex/V-guard/Polycab)				
a	2X1.5 sq.mm + 1X1.5 sq.mm earth wire	Metre	26.00		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	Metre	18.00		
c	2X4 sq.mm + 1X4 sq.mm earth wire	Metre	0.00		
2.1	Telephone wiring in existing conduit:				
	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	2 Pair	Metre	0.00		
3	A/C point				
	S/F 20A SPN MCB industrial socket outlet: Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.(Make: Legrand/Havells/HPL)	Point	2.00		
4	Modular type blanking plate:				
	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.(Make: Legrand/Havells/HPL)	Each	0.00		
5	Modular boxes, bases & cover plate:				
	Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand/Havells/HPL)				
a	3 module	Each	2.00		
b	4 module	Each	1.00		
b	6 module	Each	4.00		
6	Modular type switch/socket:				
	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required. (Make: Legrand/Havells/HPL)				
a	5/6 Amps switch	Each	8.00		
b	3 pin 5/6 Amp socket outlet	Each	8.00		
c	15/16 Amps switch	Each	2.00		
d	6pin 15/16 Amps (universal) socket outlet	Each	2.00		
e	Telephone socket outlet	Each	0.00		
7	S/F PVC conduit:				
	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.(ISI Make)				
a	20 mm	Metre	28.00		
b	25 mm	Metre	18.00		

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD

SCHEDULE OF WORK - FARIDABAD					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
8	ITC Fluorescent fitting directly on surface: Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/LED of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	4.00		
9	ITC Ceiling fan: Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	0.00		
10	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	0.00		
11	CABLE SUPPLY, LAYING AND TERMINATION				
	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
a	From Main to DB				
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	25.00		
12	Supply of 10W LED fittings with decorative end cap, powder coated CRCA steel channel complete with all electrical accessories like electronic ballast, lamp holder, 10W lamp etc complete as required. (Havells LHEWEBP7IN1W010/	Each	4.00		
12.1	Supply and installation of 18 W CFL with its all accessories.	Each	0.00		
13	Supply and installation of 1200 mm sweep Ceiling fan, white colour, 5 star rated as per BEE complete with blades, down rod, shackle, canopy etc (Make Havells/bajaj/usha/V-guard/Crompton)	Each	0.00		
13.1	Supply and installation wall fan, white colour, 5 star rated as per BEE complete with its all accessories (Make Havells/bajaj/usha/V-guard)	Each	0.00		
14	S/F SP & N DB: Supplying and fixing following way prewired SP&N MCB, distribution board of steel sheet for 240 volts on surface/recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, detachable gland plate, interconnections, powder painted including earthing etc.as required(But without MCB/RCCB/Isolator) (Make: Legrand/Havells/HPL)				
a	4 way SPN, double door	Each	0.00		
b	6 way SPN, double door	Each	1.00		
14.1	S/F of DP ISOLATOR Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, ISOLATOR having a sensitivity current upto 100 to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc, as required. (Make: Legrand/Havells/HPL)				
a	40A, DP isolator	Each	1.00		
b	32A, DP Isolator	Each	0.00		
14.2	S/F of SP MCB Supplying and fixing 6 amps to 10 amps rating, 240 Volts, "C" series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required. (Make: Legrand/Havells/HPL)				
a	6/10A SP MCB	Each	4.00		

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD

SCHEDULE OF WORK - FARIDABAD					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	UNIT	QTY	Rate	Amount
15	Miscellaneous Items				
15.1	Miscellaneous electrical work, removing of existing conduits and interconnections of light,6A socket/16A socket/A/C point from existinq DB	LS	0.00		
15.2	Miscellaneous work for supply and fixing of 1-tube light &1- 3 star rated ceiling fan with its all accessories only as per the direction of engineer in charge.[ISI MAKE]	Ls	0.00		
Grand Total				Rs.	
GST @ 18%				Rs.	
Grand Total (In Rs. Incl. of taxes)				Rs.	
I AGREE TO EXECUTE THE WORKS AS PER THE RATES QUOTED ABOVE					
Signature of Contractor					

SCHEDULE V

SCHEDULE OF WORK - GURUGRAM

SCHEDULE OF WORK - GURUGRAM					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Gurugram, Haryana				
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
CIVIL WORKS					
CEMENT CONCRETE					
1	Cement concrete 1:5:10 (1 cement ,5 sand , 10 hard blue granite stone metal 40mm and down gauge) laid in layers not exceeding 15cm each in depth and well consolidated in foundation/levelling course including necessary shuttering , in steps, in floors, etc . all complete as directed.	Cu.m	0.00		
2	Cement concrete 1:4:8 (1 cement ,4 sand , 8 hard blue granite stone metal 40mm and down gauge in layers not exceeding 15 cms in depth well consolidated in foundation and levelling course under floors including necessary shuttering, in steps etc all complete as directed.	Cu.m	1.00		
MASONRY WORK					
3	Brickwork of locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in cement mortar 1:5 (1 cement,5 sand) in foundation and plinth. No extra payment will be paid for any shape or size,turnings, fins, etc unless otherwise specified seperately.	Cu.m	0.00		
4	Half brickwork with locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in CM 1:3 (1 cement 3 sand) and reinforced with two numbers of 6mm dia. M.S rods at every fourth course embedded in cement mortar 1:4 for partitions.				
	In Ground Floor	Sq.m	6.00		
FLOORING					
5	Providing & laying first class full body vitrified ceramic tile of make Kajaria/ Restile/Johnson or equivalent of size 600mmx600mmx 9.5mm or approved size of approved colour (matt finish) in flooring using spacer of required size (2mm-4mm) from endura or equivalent over a bed of cement mortar 1:4 of required thickness to match finished floor level mentioned and to match the neighbouring floor finish and jointed with epoxy grout of approved shade from Bal Endura or equivalent brand all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern in the flooring like border, cut tiles,etc.	Sq.m	17.00		
6	Providing and laying 600mm x 600mm or required size from Kajaria/ Restile/Johnson glazed tiles of plain series(Satin finish) in dado set in CM 1:3 with joints so as to form a true & even surface and joints finished neatly with white cement mixed with matching pigments all complete as directed. (Rate should include base plastering with CM 1:5 of required thickness.) The rate shall include cost of providing 6mmx6mm groove in the plastering at top of the tile all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern like border, etc.	Sq.m	0.00		
	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 over 0.50 sqm	Sq.m	0.00		
PLASTERING					
8	Prepare surfaces and plaster with CM 1:5(1 cement, 5 sand) ,12mm minimum thick to all interior faces of walls (sponge finish) including RCC surfaces not contiguous to masonry.Necessary internal grooves of size 10mmx10mm shall be carried out as shown/directed by engineer-in-charge.	Sq.m	0.00		
PAINTING					
9	Prepare surfaces and paint two coats of plastic emulsion paint of approved colour over two coats of Gypsum punning of 6 mm minimum thick and primer all complete as per manufacturers specifications to all ceilings in all floors.	Sq.m	0.00		
10	Finishing with oil bound washable Interior Emulsion of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	Sq.m	112.00		
11	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	Sq.m	12.00		
12	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	Sq.m	9.00		

SCHEDULE V

SCHEDULE OF WORK - GURUGRAM

SCHEDULE OF WORK - GURUGRAM					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Gurugram, Haryana				
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
13	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sq.m	112.00		
14	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sq.m	0.00		
15	Finishing with Deluxe Multi surface paint system for exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm	Sq.m	0.00		
DISMANTLING					
16	Dismantling plastered brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	Cu.m	2.00		
17	Dismantling the existing RCC concrete including cutting the reinforcement, stacking the useful materials as directed by engineer-in-charge, dumping the dismantled debris as indicated at site, leveling, consolidating, all complete as directed and disposal of debris away from site all complete.	Cu.m	1.00		
18	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	SQM	36.00		
19	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	EACH	2.00		
20	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	Sq.m	36.00		
FALSE CEILING & CLADDING					
21	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including: Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminium Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places."	Sq.m	0.00		
22	Providing & fixing 35mm Flush doors 1.0 mm thk laminate as per design. The item includes Providing and fixing chaukhats made from 100mm x 50mm teak wood members. The Doors to have all hardware such as 125mm SS hinges, 450 mm long SS handles, SS tower bolts, Mortice Locks (Dorma/ Godrej). The item also includes SS rods 6mmx6mm inserted in grooves as per details complete to the satisfaction of Architects / HLL. Size of Door: 1000 x2100mm Including chaukhats.	Sq.m	3.00		

SCHEDULE V

SCHEDULE OF WORK - GURUGRAM

SCHEDULE OF WORK - GURUGRAM					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Gurugram, Haryana				
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
23	Providing and Fixing Acoustic tiles of 15 mm thickness and tegular edge, easily demountable tile, manufactured from High density glass wool, with the visible surface batch painted glass tissue in white and the back of the tile should be covered with glass tissue. The glass wool core of the tiles should be tested and classified as noncombustible according to prEN ISO 1182. The system should have Sound Absorption NRC value of 0.9 (according to ASTM C 423). Tiles should withstand a permanent ambient RH Upto 95% at 30°C without sagging, warping or delaminating (ISO 4611). The light reflectance of the tiles should not be less than 83%. Tiles certified by the indoor climate labeling and recommended by Swedish asthma and allergy association and granted Nordic Swan eco-label and fully recyclable. The glass wool core of the tiles should be tested and classified as non combustible according to EN ISO 1182 and the ceilings should fall under Class A2 -s1 d0 according to EN 13501- 1.	Sq.m	17.00		
24	Operable Acoustic Partitions (Type 2) - Training rooms (G.F.) (Without perforation) with openable and foldable doors alongwith complete arrangement and fittings required and as per the drawing. Supply and installation of operable acoustical partitions in designated area comprising individual panels 100mm thick and maximum 1200mm wide Panels shall be of all Steel construction and shall fully enclose and protect all edges of surface material with protective edge trim. Panel skins shall be of MDF Board (good quality Exterior Grade) laminated to steel structure and acoustical backing, mounted in full aluminium profile perimeter protective frames. Vertical sound seals between panels shall be tongue and groove configuration incorporating vinyl acoustical seals Panel weight shall not exceed 55 kg/sqm. Panels shall be suspended from roll-formed steel track system suspended from steel supports by threaded rods. Each panel shall be top supported by two trolley assemblies comprising steel ball bearing wheels. Partitions to be complete with Veneer in both sides as per approved sample (with a base rate of Rs. 200 Per Sqft). Panels shall have operable top and bottom seals simultaneously operated by a removable handle. The seals shall not contact floor or track during movement of panels. Panels shall also feature horizontal seals for stabilization and acoustic performance. Final partition closure to be accomplished by lever closure panel of same construction as basic panel but provided with an expanding jamb operated by a removable handle. The partition shall have been tested by an independent acoustical laboratory and shall have weighted SRI (Rw) of at least 51 in accordance with ASTM E90/DIN 52210. After installation, operable partition shall be tested by manufacturer in presence of client 's representative and consultant. Noise reduction measurements shall be made in accordance with ASTM E336. NIC shall be calculated as per ASTM E413. Noise reduction shall meet NIC 51. Entire work to be done complete as per drawings, specifications and direction of E-I-C.	Sq.m	62.00		
25	Providing and Fixing Wooden false Ceiling comprising of a Galvanized MS frame as required covered with 12 mm thick Marine ply, followed by 6 mm premium quality MDF for making groove and finished with a natural veneer (as approved) of 3.5 mm thickness duly Spirit polished with melamine matt coating. The ceiling shall be fixed to the roof soffit with adequate suspenders. The item shall be inclusive of cutting & making cutouts for lights, diffusers etc all complete. (veneer with basic cost Upto Rs:100 per sft FOR site)	Sq.m	0.00		
TOTAL for Civil Works					
ELECTRICAL WORKS					
1	Point wiring in PVC conduit with modular type switch.				
	Wiring for light point/fan point/exhaust fan point /call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable PVC box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required.				
	Group C	Point	4		
2	Wiring through PVC conduit				
	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required. (Make:Havells/Finolex/V-guard/Polycab)				
a	2X1.5 sq.mm + 1X1.5 sq.mm earth wire	Metre	26		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	Metre	18		
c	2X4 sq.mm + 1X4 sq.mm earth wire	Metre	0		
2.1	Telephone wiring in existing conduit:				
	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	2 Pair	Metre	0		

SCHEDULE V

SCHEDULE OF WORK - GURUGRAM

SCHEDULE OF WORK - GURUGRAM					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Gurugram, Haryana				
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3	A/C point				
	S/F 20A SPN MCB industrial socket outlet: Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.(Make: Legrand/Havells/HPL)	Point	2		
4	Modular type blanking plate:				
	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.(Make: Legrand/Havells/HPL)	Each	0		
5	Modular boxes, bases & cover plate:				
	Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand/Havells/HPL)				
a	3 module	Each	2		
b	4 module	Each	1		
c	6 module	Each	4		
6	Modular type switch/socket:				
	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required. (Make: Legrand/Havells/HPL)				
a	5/6 Amps switch	Each	8		
b	3 pin 5/6 Amp socket outlet	Each	8		
c	15/16 Amps switch	Each	2		
d	6pin 15/16 Amps (universal) socket outlet	Each	2		
e	Telephone socket outlet	Each	0		
7	S/F PVC conduit:				
	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.(ISI Make)				
a	20 mm	Metre	30		
b	25 mm	Metre	18		
8	ITC Fluorescent fitting directly on surface: Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/LED of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	4		
9	ITC Ceiling fan: Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	0		
10	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	0		
11	CABLE SUPPLY, LAYING AND TERMINATION				
	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
a	From Main to DB 2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	25		
12	Supply of 10W LED fittings with decorative end cap, powder coated CRCA steel channel complete with all electrical accessories like electronic ballast, lamp holder, 10W lamp etc complete as required. (Havells LHEWEBP7IN1W010/	Each	4		
12.1	Supply and installation of 18 W CFL with its all accessories.	Each	0		
13	Supply and installation of 1200 mm sweep Ceiling fan, white colour, 5 star rated as per BEE complete with blades, down rod, shackle, canopy etc(Make Havells/bajaj/usha/V-guard/Crompton)	Each	0		
13.1	Supply and installation wall fan, white colour, 5 star rated as per BEE complete with its all accessories (Make Havells/bajaj/usha/V-guard)	Each	0		
14	S/F SP & N DB:				
	Supplying and fixing following way prewired SP&N MCB, distribution board of steel sheet for 240 volts on surface/recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, detachable gland plate, interconnections, powder painted including earthing etc.as required(But without MCB/RCCB/Isolator) (Make: Legrand/Havells/HPL)				
a	4 way SPN, double door	Each	0		
b	6 way SPN, double door	Each	1		
14.1	S/F of DP ISOLATOR				
	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, ISOLATOR having a sensitivity current upto 100 to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc, as required.(Make: Legrand/Havells/HPL)				

SCHEDULE V**SCHEDULE OF WORK - GURUGRAM**

SCHEDULE OF WORK - GURUGRAM					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Gurugram, Haryana				
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
a	40A, DP isolator	Each	1		
b	32A, DP Isolator	Each	0		
14.2	S/F of SP MCB				
	Supplying and fixing 6 amps to 10 amps rating, 240 Volts, "C" series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required. (Make: Legrand/Havells/HPL)				
	6/10A SP MCB	Each	4		
15	Miscellaneous Items				
15.1	Miscellaneous electrical work, removing of existing conduits and interconnections of light,6A socket/16A socket/A/C point from existing DB	LS	0		
15.2	Miscellaneous work for supply and fixing of 1-tube light &1- 3 star rated ceiling fan with its all accessories only as per the direction of engineer in charge.[ISI MAKE]	LS	0		
TOTAL for Electrical Works					
Grand Total				Rs.	
GST @ 18%				Rs.	
Grand Total (In Rs. Incl. of taxes)				Rs.	
I AGREE TO EXECUTE THE WORKS AS PER THE RATES QUOTED ABOVE					
Signature of Contractor					

SCHEDULE V

SCHEDULE OF WORK - MEWAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
CIVIL WORKS					
CEMENT CONCRETE					
1	Cement concrete 1:5:10 (1 cement, 5 sand, 10 hard blue granite stone metal 40mm and down gauge) laid in layers not exceeding 15cm each in depth and well consolidated in foundation/levelling course including necessary shuttering, in steps, in floors, etc. all complete as directed.	Cum	0.00		
2	Cement concrete 1:4:8 (1 cement, 4 sand, 8 hard blue granite stone metal 40mm and down gauge) laid in layers not exceeding 15 cms in depth well consolidated in foundation and levelling course under floors including necessary shuttering, in steps etc all complete as directed.	Cum	1.00		
MASONRY WORK					
3	Brickwork of locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in cement mortar 1:5 (1 cement, 5 sand) in foundation and plinth. No extra payment will be paid for any shape or size, turnings, fins, etc unless otherwise specified seperately.	Cum	0.00		
4	Half brickwork with locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in CM 1:3 (1 cement 3 sand) and reinforced with two numbers of 6mm dia. M.S rods at every fourth course embedded in cement mortar 1:4 for partitions.				
	In Ground Floor	Sqm	8.00		
FLOORING					
5	Providing & laying first class full body vitrified ceramic tile of make Kajaria/ Restile/Johnson or equivalent of size 600mmx600mmx 9.5mm or approved size of approved colour (matt finish) in flooring using spacer of required size (2mm-4mm) from endura or equivalent over a bed of cement mortar 1:4 of required thickness to match finished floor level mentioned and to match the neighbouring floor finish and jointed with epoxy grout of approved shade from Bal Endura or equivalent brand all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern in the flooring like border, cut tiles,etc.	Sqm	24.00		
6	Providing and laying 600mm x 600mm or required size from Kajaria/ Restile/Johnson glazed tiles of plain series(Satin finish) in dado set in CM 1:3 with joints so as to form a true & even surface and joints finished neatly with white cement mixed with matching pigments all complete as directed. (Rate should include base plastering with CM 1:5 of required thickness.) The rate shall include cost of providing 6mmx6mm groove in the plastering at top of the tile all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern like border, etc.	Sqm	0.00		
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 over 0.50 sqm	Sqm	0.00		
PLASTERING					
8	Prepare surfaces and plaster with CM 1:3(1 cement, 3 sand) ,12mm minimum thick (sponge finish) to ceiling sides and soffit of beams and columns and other interior and exterior RCC surfaces not contiguous to masonry.	Sqm	16.00		
9	Prepare surfaces and plaster with CM 1:5(1 cement, 5 sand) ,12mm minimum thick to all interior faces of walls (sponge finish) including RCC surfaces not contiguous to masonry.Necessary internal grooves of size 10mmx10mm shall be carried out as shown/directed by engineer-in-charge.	Sqm	0.00		
PAINTING					
10	Prepare surfaces and paint two coats of plastic emulsion paint of approved colour over two coats of Gypsum punning of 6 mm minimum thick and primer all complete as per manufacturers specifications to all ceilings in all floors.	Sqm	0.00		
11	Finishing with oil bound washable Interior Emulsion of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	36.00		
12	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	Sqm	12.00		
13	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	Sqm	9.00		
14	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	36.00		
15	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sqm	0.00		
16	Finishing with Deluxe Multi surface paint system for exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm	Sqm	0.00		

SCHEDULE V

SCHEDULE OF WORK - MEWAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
DISMANTLING					
17	Dismantling plastered brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	Cum	2.00		
18	Dismantling the existing RCC concrete including cutting the reinforcement, stacking the useful materials as directed by engineer-in-charge, dumping the dismantled debris as indicated at site, leveling, consolidating, all complete as directed and disposal of debris away from site all complete.	Cum	1.00		
19	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	SQM	36.00		
20	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	EACH	2.00		
21	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	Sqm	36.00		
FALSE CEILING & CLADDING					
22	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including: Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places."	Sqm	0.00		
23	Providing & fixing 35mm Flush doors 1.0 mm thk laminate as per design. The item includes Providing and fixing chaukhats made from 100mm x 50mm teak wood members. The Doors to have all hardware such as 125mm SS hinges, 450 mm long SS handles, SS tower bolts, Mortice Locks (Dorma/ Godrej). The item also includes SS rods 6mmx6mm inserted in grooves as per details complete to the satisfaction of Architects / HLL. Size of Door: 1000 x2100mm Including chaukhats.	Sqm	3.00		
24	Providing and Fixing Acoustic tiles of 15 mm thickness and tegular edge, easily demountable tile, manufactured from High density glass wool, with the visible surface batch painted glass tissue in white and the back of the tile should be covered with glass tissue. The glass wool core of the tiles should be tested and classified as noncombustible according to prEN ISO 1182. The system should have Sound Absorption NRC value of 0.9 (according to ASTM C 423). Tiles should withstand a permanent ambient RH Upto 95% at 30°C without sagging, warping or delaminating (ISO 4611). The light reflectance of the tiles should not be less than 83%. Tiles certified by the indoor climate labeling and recommended by Swedish asthma and allergy association and granted Nordic Swan eco-label and fully recyclable. The glass wool core of the tiles should be tested and classified as non combustibile according to EN ISO 1182 and the ceilings should fall under Class A2 -s1 d0 according to EN 13501- 1.	Sqm	24.00		

SCHEDULE V

SCHEDULE OF WORK - MEWAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
25	Operable Acoustic Partitions (Type 2) - Training rooms (G.F.) (Without perforation) with openable and foldable doors alongwith complete arrangement and fittings required and as per the drawing. Supply and installation of operable acoustical partitions in designated area comprising individual panels 100mm thick and maximum 1200mm wide Panels shall be of all Steel construction and shall fully enclose and protect all edges of surface material with protective edge trim. Panel skins shall be of MDF Board (good quality Exterior Grade) laminated to steel structure and acoustical backing, mounted in full aluminium profile perimeter protective frames. Vertical sound seals between panels shall be tongue and groove configuration incorporating vinyl acoustical seals Panel weight shall not exceed 55 kg/sqm. Panels shall be suspended from roll-formed steel track system suspended from steel supports by threaded rods. Each panel shall be top supported by two trolley assemblies comprising steel ball bearing wheels. Partitions to be complete with Veneer in both sides as per approved sample (with a base rate of Rs. 200 Per Sqft). Panels shall have operable top and bottom seals simultaneously operated by a removable handle. The seals shall not contact floor or track during movement of panels. Panels shall also feature horizontal seals for stabilization and acoustic performance. Final partition closure to be accomplished by lever closure panel of same construction as basic panel but provided with an expanding jamb operated by a removable handle. The partition shall have been tested by an independent acoustical laboratory and shall have weighted SRI (Rw) of at least 51 in accordance with ASTM E90/DIN 52210. After installation, operable partition shall be tested by manufacturer in presence of client 's representative and consultant. Noise reduction measurements shall be made in accordance with ASTM E336. NIC shall be calculated as per ASTM E413. Noise reduction shall meet NIC 51. Entire work to be done complete as per drawings, specifications and direction of E-I-C.	Sqm	74.00		
26	Providing and Fixing Wooden false Ceiling comprising of a Galvanized MS frame as required covered with 12 mm thick Marine ply, followed by 6 mm premium quality MDF for making groove and finished with a natural veneer (as approved) of 3.5 mm thickness duly Spirit polished with melamine matt coating. The ceiling shall be fixed to the roof soffit with adequate suspenders. The item shall be inclusive of cutting & making cutouts for lights, diffusers etc all complete. (veneer with basic cost Upto Rs:100 per sft FOR site)	Sqm	0.00		
TOTAL for CIVIL WORKS					
ELECTRICAL WORKS					
1	Point wiring in PVC conduit with modular type switch.				
	Wiring for light point/fan point/exhaust fan point /call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable PVC box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required.				
	Group C	Point	4.00		
2	Wiring through PVC conduit				
	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.(Make:Havells/Finolex/V-guard/Polycab)				
a	2X1.5 sq.mm + 1X1.5 sq.mm earth wire	Metre	15.00		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	Metre	12.00		
c	2X4 sq.mm + 1X4 sq.mm earth wire	Metre	0.00		
2.1	Telephone wiring in existing conduit:				
	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	2 Pair	Metre	0.00		
3	A/C point				
	S/F 20A SPN MCB industrial socket outlet: Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.(Make: Legrand/Havells/HPL)	Point	1.00		
4	Modular type blanking plate:				
	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.(Make: Legrand/Havells/HPL)	Each	1.00		
5	Modular boxes, bases & cover plate:				
	Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand/Havells/HPL)				
a	2 module	Each	0.00		
b	3 module	Each	3.00		
c	4 module	Each	1.00		
e	6 module	Each	4.00		
6	Modular type switch/socket:				
	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required. (Make: Legrand/Havells/HPL)				
a	5/6 Amps switch	Each	8.00		
b	3 pin 5/6 Amp socket outlet	Each	8.00		
c	15/16 Amps switch	Each	3.00		
d	6pin 15/16 Amps (universal) socket outlet	Each	3.00		
e	Telephone socket outlet	Each	0.00		

SCHEDULE V

SCHEDULE OF WORK - MEWAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
7	S/F PVC conduit: Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. (ISI Make)				
a	20 mm	Metre	16.00		
b	25 mm	Metre	13.00		
8	ITC Fluorescent fitting directly on surface: Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/LED of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	4.00		
9	ITC Ceiling fan: Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	0.00		
10	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	0.00		
11	CABLE SUPPLY, LAYING AND TERMINATION Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
a	From Main to DB 2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	15.00		
12	Supply of 10W LED fittings with decorative end cap, powder coated CRCA steel channel complete with all electrical accessories like electronic ballast, lamp holder, 10W lamp etc complete as required. (Havells LHEWEBP7IN1W010/	Each	4.00		
12.1	Supply and installation of 18 W CFL with its all accessories.	Each	0.00		
13	Supply and installation of 1200 mm sweep Ceiling fan, white colour, 5 star rated as per BEE complete with blades, down rod, shackle, canopy etc (Make Havells/bajaj/usha/V-guard/Crompton)	Each	0.00		
13.1	Supply and installation wall fan, white colour, 5 star rated as per BEE complete with its all accessories (Make Havells/bajaj/usha/V-guard)	Each	0.00		
14	S/F SP & N DB: Supplying and fixing following way prewired SP&N MCB, distribution board of steel sheet for 240 volts on surface/recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, detachable gland plate, interconnections, powder painted including earthing etc.as required(But without MCB/RCCB/Isolator) (Make: Legrand/Havells/HPL)				
	4 way SPN, double door	Each	1.00		
	6 way SPN, double door	Each	0.00		
14.1	S/F of DP ISOLATOR Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, ISOLATOR having a sensitivity current upto 100 to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc, as required. (Make: Legrand/Havells/HPL)				
	40A, DP isolator	Each	1.00		
	32A, DP Isolator	Each	0.00		
14.2	S/F of SP MCB Supplying and fixing 6 amps to 10 amps rating, 240 Volts, "C" series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required. (Make: Legrand/Havells/HPL)				
	6/10A SP MCB	Each	3.00		
15	Miscellaneous Items				
15.1	Miscellaneous electrical work, removing of existing conduits and interconnections of light,6A socket/16A socket/A/C point from existing DB	LS	0.00		
15.2	Miscellaneous work for supply and fixing of 1-tube light & 1- 3 star rated ceiling fan with its all accessories only as per the direction of engineer in charge.[ISI MAKE]	LS	0.00		
TOTAL for Electrical Works					
Grand Total					Rs.
GST @ 18%					Rs.
Grand Total (In Rs. Incl. of taxes)					Rs.
I AGREE TO EXECUTE THE WORKS AS PER THE RATES QUOTED ABOVE					
Signature of Contractor					

SCHEDULE V

SCHEDULE OF WORK - PANIPAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana					
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
CIVIL WORKS					
CEMENT CONCRETE					
1	Cement concrete 1:5:10 (1 cement ,5 sand , 10 hard blue granite stone metal 40mm and down gauge) laid in layers not exceeding 15cm each in depth and well consolidated in foundation/levelling course including necessary shuttering , in steps, in floors, etc . all complete as directed.	Cu.m	0.00		
2	Cement concrete 1:4:8 (1 cement ,4 sand , 8 hard blue granite stone metal 40mm and down gauge in layers not exceeding 15 cms in depth well consolidated in foundation and levelling course under floors including necessary shuttering, in steps etc all complete as directed.	Cu.m	1.00		
MASONRY WORK					
3	Brickwork of locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in cement mortar 1:5 (1 cement,5 sand) in foundation and plinth. No extra payment will be paid for any shape or size,turnings, fins, etc unless otherwise specified seperately.	Cu.m	0.00		
4	Half brickwork with locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in CM 1:3 (1 cement 3 sand) and reinforced with two numbers of 6mm dia. M.5 rods at every fourth course embedded in cement mortar 1:4 for partitions. In Ground Floor	Sqm	6.00		
FLOORING					
5	Providing & laying first class full body vitrified ceramic tile of make Kajaria/ Restile/Johnson or equivqlent of size 600mmx600mmx 9.5mm or approved size of approved colour (matt finish) in flooring using spacer of required size (2mm-4mm) from endura or equivalent over a bed of cement mortar 1:4 of required thickness to match finished floor level mentioned and to match the neighbouring floor finish and jointed with epoxy grout of approved shade from Bal Endura or equivalent brand all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern in the flooring like border, cut tiles,etc.	Sqm	19.00		
6	Providing and laying 600mm x 600mm or required size from Kajaria/ Restile/Johnson glazed tiles of plain series(Satin finish) in dado set in CM 1:3 with joints so as to form a true & even surface and joints finished neatly with white cement mixed with matching pigments all complete as directed. (Rate should include base plastering with CM 1:5 of required thickness.) The rate shall include cost of providing 6mmx6mm groove in the plastering at top of the tile all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern like border, etc.	Sqm	0.00		
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 over 0.50 sqm	Sqm	0.00		
PLASTERING					
8	Prepare surfaces and plaster with CM 1:3(1 cement, 3 sand) ,12mm minimum thick (sponge finish) to ceiling sides and soffit of beams and columns and other interior and exterior RCC surfaces not contiguous to masonry.	Sqm	12.00		
9	Prepare surfaces and plaster with CM 1:5(1 cement, 5 sand) ,12mm minimum thick to all interior faces of walls (sponge finish) including RCC surfaces not contiguous to masonry.Necessary internal grooves of size 10mmx10mm shall be carried out as shown/directed by engineer-in-charge.	Sqm	0.00		
PAINTING					
10	Prepare surfaces and paint two coats of plastic emulsion paint of approved colour over two coats of Gypsum punning of 6 mm minimum thick and primer all complete as per manufacturers specifications to all ceilings in all floors.	Sqm	0.00		
11	Finishing with oil bound washable Interior Emulsion of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	36.00		

SCHEDULE V

SCHEDULE OF WORK - PANIPAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana					
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
12	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	Sqm	12.00		
13	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	Sqm	9.00		
14	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	36.00		
15	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sqm	0.00		
16	Finishing with Deluxe Multi surface paint system for exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm	Sqm	0.00		
DISMANTLING					
17	Dismantling plastered brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	Cu.m	2.00		
18	Dismantling the existing RCC concrete including cutting the reinforcement, stacking the useful materials as directed by engineer-in-charge, dumping the dismantled debris as indicated at site, leveling, consolidating, all complete as directed and disposal of debris away from site all complete.	Cu.m	1.00		
19	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	SQM	36.00		
20	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	EACH	2.00		
21	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	Sqm	36.00		
FALSE CEILING & CLADDING					
22	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including: Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places."	Sqm	0.00		

SCHEDULE V

SCHEDULE OF WORK - PANIPAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana					
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
23	Providing & fixing 35mm Flush doors 1.0 mm thk laminate as per design. The item includes Providing and fixing chaukhats made from 100mm x 50mm teak wood members. The Doors to have all hardware such as 125mm SS hinges, 450 mm long SS handles, SS tower bolts, Mortice Locks (Dorma/ Godrej). The item also includes SS rods 6mmx6mm inserted in grooves as per details complete to the satisfaction of Architects / HLL. Size of Door: 1000 x2100mm Including chaukhats.	Sqm	3.00		
24	Providing and Fixing Acoustic tiles of 15 mm thickness and tegular edge, easily demountable tile, manufactured from High density glass wool, with the visible surface batch painted glass tissue in white and the back of the tile should be covered with glass tissue. The glass wool core of the tiles should be tested and classified as noncombustible according to prEN ISO 1182. The system should have Sound Absorption NRC value of 0.9 (according to ASTM C 423). Tiles should withstand a permanent ambient RH Upto 95% at 30°C without sagging, warping or delaminating (ISO 4611). The light reflectance of the tiles should not be less than 83%. Tiles certified by the indoor climate labeling and recommended by Swedish asthma and allergy association and granted Nordic Swan eco-label and fully recyclable. The glass wool core of the tiles should be tested and classified as non combustibile according to EN ISO 1182 and the ceilings should fall under Class A2 -s1 d0 according to EN 13501- 1.	Sqm	19.00		
25	Operable Acoustic Partitions (Type 2) - Training rooms (G.F.) (Without perforation) with openable and foldable doors alongwith complete arrangement and fittings required and as per the drawing. Supply and installation of operable acoustical partitions in designated area comprising individual panels 100mm thick and maximum 1200mm wide Panels shall be of all Steel construction and shall fully enclose and protect all edges of surface material with protective edge trim. Panel skins shall be of MDF Board (good quality Exterior Grade) laminated to steel structure and acoustical backing, mounted in full aluminium profile perimeter protective frames. Vertical sound seals between panels shall be tongue and groove configuration incorporating vinyl acoustical seals Panel weight shall not exceed 55 kg/sqm. Panels shall be suspended from roll-formed steel track system suspended from steel supports by threaded rods. Each panel shall be top supported by two trolley assemblies comprising steel ball bearing wheels. Partitions to be complete with Veneer in both sides as per approved sample (with a base rate of Rs. 200 Per Sqft). Panels shall have operable top and bottom seals simultaneously operated by a removable handle. The seals shall not contact floor or track during movement of panels. Panels shall also feature horizontal seals for stabilization and acoustic performance. Final partition closure to be accomplished by lever closure panel of same construction as basic panel but provided with an expanding jamb operated by a removable handle. The partition shall have been tested by an independent acoustical laboratory and shall have weighted SRI (Rw) of at least 51 in accordance with ASTM E90/DIN 52210. After installation, operable partition shall be tested by manufacturer in presence of client 's representative and consultant. Noise reduction measurements shall be made in accordance with ASTM E336. NIC shall be calculated as per ASTM E413. Noise reduction shall meet NIC 51. Entire work to be done complete as per drawings, specifications and direction of E-I-C.	Sqm	68.00		
26	Providing and Fixing Wooden false Ceiling comprising of a Galvanized MS frame as required covered with 12 mm thick Marine ply, followed by 6 mm premium quality MDF for making groove and finished with a natural veneer (as approved) of 3.5 mm thickness duly Spirit polished with melamine matt coating. The ceiling shall be fixed to the roof soffit with adequate suspenders. The item shall be inclusive of cutting & making cutouts for lights, diffusers etc all complete. (veneer with basic cost Upto Rs:100 per sft FOR site)	Sqm	0.00		
TOTAL for CIVIL WORKS					
ELECTRICAL WORKS					
1	Point wiring in PVC conduit with modular type switch.				
	Wiring for light point/fan point/exhaust fan point /call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable PVC box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required.				
a	Group C	Point	4		
2	Wiring through PVC conduit				
	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required. (Make:Havells/Finolex/V -guard/Polycab)				
a	2X1.5 sq.mm + 1X1.5 sq.mm earth wire	Metre	15		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	Metre	15		
c	2X4 sq.mm + 1X4 sq.mm earth wire	Metre	0		
2.1	Telephone wiring in existing conduit:				
	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	2 Pair	Metre	0		
3	A/C point				

SCHEDULE V

SCHEDULE OF WORK - PANIPAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana					
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	S/F 20A SPN MCB industrial socket outlet: Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.(Make: Legrand/Havells/HPL)	Point	1		
4	Modular type blanking plate: Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.(Make: Legrand/Havells/HPL)	Each	1		
5	Modular boxes, bases & cover plate: Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand/Havells/HPL)				
a	2 module	Each	0		
b	3 module	Each	3		
c	4 module	Each	1		
e	6 module	Each	4		
6	Modular type switch/socket: Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required. (Make: Legrand/Havells/HPL)				
a	5/6 Amps switch	Each	8		
b	3 pin 5/6 Amp socket outlet	Each	8		
c	15/16 Amps switch	Each	3		
d	6pin 15/16 Amps (universal) socket outlet	Each	3		
e	Telephone socket outlet	Each	0		
7	S/F PVC conduit: Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.(ISI Make)				
a	20 mm	Metre	16		
b	25 mm	Metre	15		
8	ITC Fluorescent fitting directly on surface: Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/LED of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	4		
9	ITC Ceiling fan: Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	0		
10	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	0		
11	CABLE SUPPLY, LAYING AND TERMINATION Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
a	From Main to DB 2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	15		
12	Supply of 10W LED fittings with decorative end cap, powder coated CRCA steel channel complete with all electrical accessories like electronic ballast, lamp holder, 10W lamp etc complete as required. (Havells LHEWEBP7IN1W010/	Each	4		
12.1	Supply and installation of 18 W CFL with its all accessories.	Each	0		
13	Supply and installation of 1200 mm sweep Ceiling fan, white colour, 5 star rated as per BEE complete with blades, down rod, shackle, canopy etc(Make Havells/bajaj/usha/V-guard/Crompton)	Each	0		
13.1	Supply and installation wall fan, white colour, 5 star rated as per BEE complete with its all accessories(Make Havells/bajaj/usha/V-guard)	Each	0		
14	S/F SP & N DB: Supplying and fixing following way prewired SP&N MCB, distribution board of steel sheet for 240 volts on surface/recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, detachable gland plate, interconnections, powder painted including earthing etc.as required(But without MCB/RCCB/Isolator) (Make: Legrand/Havells/HPL)				
a	4 way SPN, double door	Each	1		

SCHEDULE V

SCHEDULE OF WORK - PANIPAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana					
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
b	6 way SPN, double door	Each	0		
14.1	S/F of DP ISOLATOR				
	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, ISOLATOR having a sensitivity current upto 100 to 300 milliampere in the existing MCB DB complete with connections, testing and commissioning etc, as required. (Make: Legrand/Havells/HPL)				
a	40A, DP isolator	Each	1		
b	32A, DP Isolator	Each	0		
14.2	S/F of SP MCB				
	Supplying and fixing 6 amps to 10 amps rating, 240 Volts, "C" series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required. (Make: Legrand/Havells/HPL)				
a	6/10A SP MCB	Each	3		
15	Miscellaneous Items				
15.1	Miscellaneous electrical work, removing of existing conduits and interconnections of light, 6A socket/16A socket/A/C point from existing DB	LS	0		
15.2	Miscellaneous work for supply and fixing of 1-tube light & 1- 3 star rated ceiling fan with its all accessories only as per the direction of engineer in charge. [ISI MAKE]	LS	0		
	TOTAL for ELECTRICAL WORKS				
	Grand Total				Rs.
	GST @ 18%				Rs.
	Grand Total (In Rs. Incl. of taxes)				Rs.
I AGREE TO EXECUTE THE WORKS AS PER THE RATES QUOTED ABOVE					
Signature of Contractor					

SCHEDULE V

SCHEDULE OF WORK - REWARI

SCHEDULE OF WORK - REWARI					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
CIVIL WORKS					
CEMENT CONCRETE					
1	Cement concrete 1:5:10 (1 cement ,5 sand , 10 hard blue granite stone metal 40mm and down gauge) laid in layers not exceeding 15cm each in depth and well consolidated in foundation/levelling course including necessary shuttering , in steps, in floors, etc . all complete as directed.	Cu.m	0.00		
2	Cement concrete 1:4:8 (1 cement ,4 sand , 8 hard blue granite stone metal 40mm and down gauge in layers not exceeding 15 cms in depth well consolidated in foundation and levelling course under floors including necessary shuttering, in steps etc all complete as directed.	Cu.m	1.00		
MASONRY WORK					
3	Brickwork of locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in cement mortar 1:5 (1 cement,5 sand) in foundation and plinth. No extra payment will be paid for any shape or size,turnings, fins, etc unless otherwise specified seperately.	Cu.m	0.00		
4	Half brickwork with locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in CM 1:3 (1 cement 3 sand) and reinforced with two numbers of 6mm dia. M.S rods at every fourth course embedded in cement mortar 1:4 for partitions.				
	In Ground Floor	Sq.m	16.00		
FLOORING					
5	Providing & laying first class full body vitrified ceramic tile of make Kajaria/ Restile/Johnson or equivqlent of size 600mmx600mmx 9.5mm or approved size of approved colour (matt finish) in flooring using spacer of required size (2mm-4mm) from endura or equivalent over a bed of cement mortar 1:4 of required thickness to match finished floor level mentioned and to match the neighbouring floor finish and jointed with epoxy grout of approved shade from Bal Endura or equivalent brand all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern in the flooring like border , cut tiles,etc.	Sq.m	19.00		
6	Providing and laying 600mm x 600mm or required size from Kajaria/ Restile/Johnson glazed tiles of plain series(Satin finish) in dado set in CM 1:3 with joints so as to form a true & even surface and joints finished neatly with white cement mixed with matching pigments all complete as directed. (Rate should include base plastering with CM 1:5 of required thickness.) The rate shall include cost of providing 6mmx6mm groove in the plastering at top of the tile all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern like border, etc.	Sq.m	0.00		
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 over 0.50 sqm	Sq.m	0.00		
PLASTERING					
8	Prepare surfaces and plaster with CM 1:3(1 cement, 3 sand) ,12mm minimum thick (sponge finish) to ceiling sides and soffit of beams and columns and other interior and exterior RCC surfaces not contiguous to masonry.	Sq.m	32.00		
9	Prepare surfaces and plaster with CM 1:5(1 cement, 5 sand) ,12mm minimum thick to all interior faces of walls (sponge finish) including RCC surfaces not contiguous to masonry.Necessary internal grooves of size 10mmx10mm shall be carried out as shown/directed by engineer-in-charge.	Sq.m	0.00		

SCHEDULE V

SCHEDULE OF WORK - REWARI

SCHEDULE OF WORK - REWARI					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
PAINTING					
10	Prepare surfaces and paint two coats of plastic emulsion paint of approved colour over two coats of Gypsum punning of 6 mm minimum thick and primer all complete as per manufacturers specifications to all ceilings in all floors.	Sq.m	0.00		
11	Finishing with oil bound washable Interior Emulsion of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	Sq.m	118.00		
12	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	Sq.m	12.00		
13	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	Sq.m	9.00		
14	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sq.m	118.00		
15	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sq.m	0.00		
16	Finishing with Deluxe Multi surface paint system for exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm	Sq.m	0.00		
DISMANTLING					
17	Dismantling plastered brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	Cu.m	2.00		
18	Dismantling the existing RCC concrete including cutting the reinforcement, stacking the useful materials as directed by engineer-in-charge, dumping the dismantled debris as indicated at site, leveling, consolidating, all complete as directed and disposal of debris away from site all complete.	Cu.m	1.00		
19	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	SQM	36.00		
20	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	EACH	2.00		
21	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	Sq.m	36.00		

SCHEDULE V

SCHEDULE OF WORK - REWARI

SCHEDULE OF WORK - REWARI					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
FALSE CEILING & CLADDING					
22	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including: Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places."	Sq.m	0.00		
23	Providing & fixing 35mm Flush doors 1.0 mm thk laminate as per design. The item includes Providing and fixing chaukhats made from 100mm x 50mm teak wood members. The Doors to have all hardware such as 125mm SS hinges, 450 mm long SS handles, SS tower bolts, Mortice Locks (Dorma/ Godrej). The item also includes SS rods 6mmx6mm inserted in grooves as per details complete to the satisfaction of Architects / HLL. Size of Door: 1000 x2100mm Including chaukhats.	Sq.m	3.00		
24	Providing and Fixing Acoustic tiles of 15 mm thickness and tegular edge, easily demountable tile, manufactured from High density glass wool, with the visible surface batch painted glass tissue in white and the back of the tile should be covered with glass tissue. The glass wool core of the tiles should be tested and classified as noncombustible according to prEN ISO 1182. The system should have Sound Absorption NRC value of 0.9 (according to ASTM C 423). Tiles should withstand a permanent ambient RH Upto 95% at 30°C without sagging, warping or delaminating (ISO 4611). The light reflectance of the tiles should not be less than 83%. Tiles certified by the indoor climate labeling and recommended by Swedish asthma and allergy association and granted Nordic Swan eco-label and fully recyclable. The glass wool core of the tiles should be tested and classified as non combustible according to EN ISO 1182 and the ceilings should fall under Class A2 -s1 d0 according to EN 13501- 1.	Sq.m	19.00		

SCHEDULE V

SCHEDULE OF WORK - REWARI

SCHEDULE OF WORK - REWARI					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
25	Operable Acoustic Partitions (Type 2) - Training rooms (G.F.) (Without perforation) with openable and foldable doors alongwith complete arrangement and fittings required and as per the drawing. Supply and installation of operable acoustical partitions in designated area comprising individual panels 100mm thick and maximum 1200mm wide Panels shall be of all Steel construction and shall fully enclose and protect all edges of surface material with protective edge trim. Panel skins shall be of MDF Board (good quality Exterior Grade) laminated to steel structure and acoustical backing, mounted in full aluminium profile perimeter protective frames. Vertical sound seals between panels shall be tongue and groove configuration incorporating vinyl acoustical seals Panel weight shall not exceed 55 kg/sqm. Panels shall be suspended from roll-formed steel track system suspended from steel supports by threaded rods. Each panel shall be top supported by two trolley assemblies comprising steel ball bearing wheels. Partitions to be complete with Veneer in both sides as per approved sample (with a base rate of Rs. 200 Per Sqft). Panels shall have operable top and bottom seals simultaneously operated by a removable handle. The seals shall not contact floor or track during movement of panels. Panels shall also feature horizontal seals for stabilization and acoustic performance. Final partition closure to be accomplished by lever closure panel of same construction as basic panel but provided with an expanding jamb operated by a removable handle. The partition shall have been tested by an independent acoustical laboratory and shall have weighted SRI (Rw) of at least 51 in accordance with ASTM E90/DIN 52210. After installation, operable partition shall be tested by manufacturer in presence of client's representative and consultant. Noise reduction measurements shall be made in accordance with ASTM E336. NIC shall be calculated as per ASTM E413. Noise reduction shall meet NIC 51. Entire work to be done complete as per drawings, specifications and direction of E-I-C.	Sq.m	68.00		
26	Providing and Fixing Wooden false Ceiling comprising of a Galvanized MS frame as required covered with 12 mm thick Marine ply, followed by 6 mm premium quality MDF for making groove and finished with a natural veneer (as approved) of 3.5 mm thickness duly Spirit polished with melamine matt coating. The ceiling shall be fixed to the roof soffit with adequate suspenders. The item shall be inclusive of cutting & making cutouts for lights, diffusers etc all complete. (veneer with basic cost Upto Rs:100 per sft FOR site)	Sq.m	0.00		
TOTAL for CIVIL WORKS					
ELECTRICAL WORKS					
1	Point wiring in PVC conduit with modular type switch. Wiring for light point/fan point/exhaust fan point /call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable PVC box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required.				
	Group C	Point	4		
2	Wiring through PVC conduit Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.(Make:Havells/Finolex/V-guard/Polycab)				
a	2X1.5 sq.mm + 1X1.5 sq.mm earth wire	Metre	15		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	Metre	12		
c	2X4 sq.mm + 1X4 sq.mm earth wire	Metre	0		
2.1	Telephone wiring in existing conduit: Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	2 Pair	Metre	0		
3	A/C point S/F 20A SPN MCB industrial socket outlet: Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.(Make: Legrand/Havells/HPL)	Point	1		

SCHEDULE V

SCHEDULE OF WORK - REWARI

SCHEDULE OF WORK - REWARI					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4	Modular type blanking plate:				
	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.(Make: Legrand/Havells/HPL)	Each	1		
5	Modular boxes, bases & cover plate:				
	Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand/Havells/HPL)				
a	2 module	Each	0		
b	3 module	Each	3		
c	4 module	Each	1		
e	6 module	Each	4		
6	Modular type switch/socket:				
	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required. (Make: Legrand/Havells/HPL)				
a	5/6 Amps switch	Each	8		
b	3 pin 5/6 Amp socket outlet	Each	8		
c	15/16 Amps switch	Each	3		
d	6pin 15/16 Amps (universal) socket outlet	Each	3		
e	Telephone socket outlet	Each	0		
7	S/F PVC conduit:				
	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.(ISI Make)				
a	20 mm	Metre	16		
b	25 mm	Metre	13		
8	ITC Fluorescent fitting directly on surface:				
	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/LED of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	4		
9	ITC Ceiling fan:				
	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	0		
10	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	0		
11	CABLE SUPPLY, LAYING AND TERMINATION				
	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
a	From Main to DB				
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	10		
12	Supply of 10W LED fittings with decorative end cap, powder coated CRCA steel channel complete with all electrical accessories like electronic ballast, lamp holder, 10W lamp etc complete as required. (Havells LHEWEBP7IN1W010/	Each	4		
12.1	Supply and installation of 18 W CFL with its all accessories.	Each	0		
13	Supply and installation of 1200 mm sweep Ceiling fan, white colour, 5 star rated as per BEE complete with blades, down rod, shackle, canopy etc(Make Havells/bajaj/usha/V-guard/Crompton)	Each	0		
13.1	Supply and installation wall fan, white colour, 5 star rated as per BEE complete with its all accessories(Make Havells/bajaj/usha/V-guard)	Each	0		

SCHEDULE V

SCHEDULE OF WORK - REWARI

SCHEDULE OF WORK - REWARI					
Sub:	Civil and Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
14	S/F SP & N DB:				
	Supplying and fixing following way prewired SP&N MCB, distribution board of steel sheet for 240 volts on surface/recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, detachable gland plate, interconnections, powder painted including earthing etc.as required(But without MCB/RCCB/Isolator) (Make: Legrand/Havells/HPL)				
	4 way SPN, double door	Each	1		
	6 way SPN, double door	Each	0		
14.1	S/F of DP ISOLATOR				
	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, ISOLATOR having a sensitivity current upto 100 to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc, as required. (Make: Legrand/Havells/HPL)				
	40A, DP isolator	Each	1		
	32A, DP Isolator	Each	0		
14.2	S/F of SP MCB				
	Supplying and fixing 6 amps to 10 amps rating, 240 Volts, "C" series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required. (Make: Legrand/Havells/HPL)				
	6/10A SP MCB	Each	3		
15	Miscellaneous Items				
15.1	Miscellaneous electrical work, removing of existing conduits and interconnections of light,6A socket/16A socket/A/C point from existing DB	LS	0		
15.2	Miscellaneous work for supply and fixing of 1-tube light &1- 3 star rated ceiling fan with its all accessories only as per the direction of engineer in charge.[ISI MAKE]	LS	0		
	TOTAL for ELECTRICAL WORKS				
	Grand Total				Rs.
	GST @ 18%				Rs.
	Grand Total (In Rs. Incl. of taxes)				Rs.

I AGREE TO EXECUTE THE WORKS AS PER THE RATES QUOTED ABOVE

Signature of Contractor

SCHEDULE V

SCHEDULE OF WORK - SONIPAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
CIVIL WORKS					
CEMENT CONCRETE					
1	Cement concrete 1:5:10 (1 cement ,5 sand , 10 hard blue granite stone metal 40mm and down gauge) laid in layers not exceeding 15cm each in depth and well consolidated in foundation/levelling course including necessary shuttering , in steps, in floors, etc . all complete as directed.	Cu.m	0.00		
2	Cement concrete 1:4:8 (1 cement ,4 sand , 8 hard blue granite stone metal 40mm and down gauge in layers not exceeding 15 cms in depth well consolidated in foundation and levelling course under floors including necessary shuttering, in steps etc all complete as directed.	Cu.m	1.00		
MASONRY WORK					
3	Brickwork of locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in cement mortar 1:5 (1 cement,5 sand) in foundation and plinth. No extra payment will be paid for any shape or size,turnings, fins, etc unless otherwise specified seperately.	Cu.m	0.00		
4	Half brickwork with locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in CM 1:3 (1 cement 3 sand) and reinforced with two numbers of 6mm dia. M.S rods at every fourth course embedded in cement mortar 1:4 for partitions.				
	In Ground Floor	Sq.m	10.00		
FLOORING					
5	Providing & laying first class full body vitrified ceramic tile of make Kajaria/ Restile/Johnson or equivalent of size 600mmx600mmx 9.5mm or approved size of approved colour (matt finish) in flooring using spacer of required size (2mm-4mm) from endura or equivalent over a bed of cement mortar 1:4 of required thickness to match finished floor level mentioned and to match the neighbouring floor finish and jointed with epoxy grout of approved shade from Bal Endura or equivalent brand all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern in the flooring like border, cut tiles,etc.	Sq.m	10.00		
6	Providing and laying 600mm x 600mm or required size from Kajaria/ Restile/Johnson glazed tiles of plain series(Satin finish) in dado set in CM 1:3 with joints so as to form a true & even surface and joints finished neatly with white cement mixed with matching pigments all complete as directed. (Rate should include base plastering with CM 1:5 of required thickness.) The rate shall include cost of providing 6mmx6mm groove in the plastering at top of the tile all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern like border, etc.	Sq.m	0.00		
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 over 0.50 sqm	Sq.m	0.00		
PLASTERING					
8	Prepare surfaces and plaster with CM 1:3(1 cement, 3 sand) ,12mm minimum thick (sponge finish) to ceiling sides and soffit of beams and columns and other interior and exterior RCC surfaces not contiguous to masonry.	Sq.m	20.00		
9	Prepare surfaces and plaster with CM 1:5(1 cement, 5 sand) ,12mm minimum thick to all interior faces of walls (sponge finish) including RCC surfaces not contiguous to masonry.Necessary internal grooves of size 10mmx10mm shall be carried out as shown/directed by engineer-in-charge.	Sq.m	0.00		
PAINTING					
10	Prepare surfaces and paint two coats of plastic emulsion paint of approved colour over two coats of Gypsum punning of 6 mm minimum thick and primer all complete as per manufacturers specifications to all ceilings in all floors.	Sq.m	0.00		

SCHEDULE V

SCHEDULE OF WORK - SONIPAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
11	Finishing with oil bound washable Interior Emulsion of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	Sq.m	78.00		
12	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	Sq.m	12.00		
13	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	Sq.m	9.00		
14	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sq.m	78.00		
15	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sq.m	0.00		
16	Finishing with Deluxe Multi surface paint system for exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm	Sq.m	0.00		
DISMANTLING					
17	Dismantling plastered brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	Cu.m	2.00		
18	Dismantling the existing RCC concrete including cutting the reinforcement, stacking the useful materials as directed by engineer-in-charge, dumping the dismantled debris as indicated at site, leveling, consolidating, all complete as directed and disposal of debris away from site all complete.	Cu.m	1.00		
19	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	SQM	36.00		
20	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	EACH	2.00		
21	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	Sq.m	36.00		

SCHEDULE V

SCHEDULE OF WORK - SONIPAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
FALSE CEILING & CLADDING					
22	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including: Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminium Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places."	Sq.m	0.00		
23	Providing & fixing 35mm Flush doors 1.0 mm thk laminate as per design. The item includes Providing and fixing chaukhats made from 100mm x 50mm teak wood members. The Doors to have all hardware such as 125mm SS hinges, 450 mm long SS handles, SS tower bolts, Mortice Locks (Dorma/ Godrej). The item also includes SS rods 6mmx6mm inserted in grooves as per details complete to the satisfaction of Architects / HLL. Size of Door: 1000 x2100mm Including chaukhats.	Sq.m	3.00		
24	Providing and Fixing Acoustic tiles of 15 mm thickness and tegular edge, easily demountable tile, manufactured from High density glass wool, with the visible surface batch painted glass tissue in white and the back of the tile should be covered with glass tissue. The glass wool core of the tiles should be tested and classified as noncombustible according to prEN ISO 1182. The system should have Sound Absorption NRC value of 0.9 (according to ASTM C 423). Tiles should withstand a permanent ambient RH Upto 95% at 30°C without sagging, warping or delaminating (ISO 4611). The light reflectance of the tiles should not be less than 83%. Tiles certified by the indoor climate labeling and recommended by Swedish asthma and allergy association and granted Nordic Swan eco-label and fully recyclable. The glass wool core of the tiles should be tested and classified as non combustibile according to EN ISO 1182 and the ceilings should fall under Class A2 -s1 d0 according to EN 13501- 1.	Sq.m	10.00		

SCHEDULE V

SCHEDULE OF WORK - SONIPAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
25	Operable Acoustic Partitions (Type 2) - Training rooms (G.F.) (Without perforation) with openable and foldable doors alongwith complete arrangement and fittings required and as per the drawing. Supply and installation of operable acoustical partitions in designated area comprising individual panels 100mm thick and maximum 1200mm wide Panels shall be of all Steel construction and shall fully enclose and protect all edges of surface material with protective edge trim. Panel skins shall be of MDF Board (good quality Exterior Grade) laminated to steel structure and acoustical backing, mounted in full aluminium profile perimeter protective frames. Vertical sound seals between panels shall be tongue and groove configuration incorporating vinyl acoustical seals Panel weight shall not exceed 55 kg/sqm. Panels shall be suspended from roll-formed steel track system suspended from steel supports by threaded rods. Each panel shall be top supported by two trolley assemblies comprising steel ball bearing wheels. Partitions to be complete with Veneer in both sides as per approved sample (with a base rate of Rs. 200 Per Sqft). Panels shall have operable top and bottom seals simultaneously operated by a removable handle. The seals shall not contact floor or track during movement of panels. Panels shall also feature horizontal seals for stabilization and acoustic performance. Final partition closure to be accomplished by lever closure panel of same construction as basic panel but provided with an expanding jamb operated by a removable handle. The partition shall have been tested by an independent acoustical laboratory and shall have weighted SRI (Rw) of at least 51 in accordance with ASTM E90/DIN 52210. After installation, operable partition shall be tested by manufacturer in presence of client 's representative and consultant. Noise reduction measurements shall be made in accordance with ASTM E336. NIC shall be calculated as per ASTM E413. Noise reduction shall meet NIC 51. Entire work to be done complete as per drawings, specifications and direction of E-I-C.	Sq.m	45.00		
26	Providing and Fixing Wooden false Ceiling comprising of a Galvanized MS frame as required covered with 12 mm thick Marine ply, followed by 6 mm premium quality MDF for making groove and finished with a natural veneer (as approved) of 3.5 mm thickness duly Spirit polished with melamine matt coating. The ceiling shall be fixed to the roof soffit with adequate suspenders. The item shall be inclusive of cutting & making cutouts for lights, diffusers etc all complete. (veneer with basic cost Upto Rs:100 per sft FOR site)	Sq.m	0.00		
TOTAL for CIVIL WORKS					
ELECTRICAL WORKS					
1	Point wiring in PVC conduit with modular type switch. Wiring for light point/fan point/exhaust fan point /call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable PVC box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required.				
	Group C	Point	4		
2	Wiring through PVC conduit Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.(Make:Havells/Finolex/V-guard/Polycab)				
a	2X1.5 sq.mm + 1X1.5 sq.mm earth wire	Metre	15		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	Metre	12		
c	2X4 sq.mm + 1X4 sq.mm earth wire	Metre	0		
2.1	Telephone wiring in existing conduit: Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	2 Pair	Metre	0		
3	A/C point S/F 20A SPN MCB industrial socket outlet: Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.(Make: Legrand/Havells/HPL)				
		Point	1		
4	Modular type blanking plate: Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.(Make: Legrand/Havells/HPL)				
		Each	1		
5	Modular boxes, bases & cover plate: Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand/Havells/HPL)				
a	2 module	Each	0		
b	3 module	Each	3		
c	4 module	Each	1		
e	6 module	Each	4		

SCHEDULE V

SCHEDULE OF WORK - SONIPAT

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6	Modular type switch/socket:				
	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required. (Make: Legrand/Havells/HPL)				
a	5/6 Amps switch	Each	8		
b	3 pin 5/6 Amp socket outlet	Each	8		
c	15/16 Amps switch	Each	3		
d	6pin 15/16 Amps (universal) socket outlet	Each	3		
e	Telephone socket outlet	Each	0		
7	S/F PVC conduit:				
	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.(ISI Make)				
a	20 mm	Metre	16		
b	25 mm	Metre	13		
8	ITC Fluorescent fitting directly on surface:				
	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/LED of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	4		
9	ITC Ceiling fan:				
	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	0		
10	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	0		
11	CABLE SUPPLY, LAYING AND TERMINATION				
	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
a	From Main to DB				
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	10		
12	Supply of 10W LED fittings with decorative end cap, powder coated CRCA steel channel complete with all electrical accessories like electronic ballast, lamp holder, 10W lamp etc complete as required. (Havells LHEWEBP7IN1W010/	Each	4		
12.1	Supply and installation of 18 W CFL with its all accessories.	Each	0		
13	Supply and installation of 1200 mm sweep Ceiling fan, white colour, 5 star rated as per BEE complete with blades, down rod, shackle, canopy etc(Make Havells/bajaj/usha/V-guard/Crompton)	Each	0		
13.1	Supply and installation wall fan, white colour, 5 star rated as per BEE complete with its all accessories(Make Havells/bajaj/usha/V-guard)	Each	0		
14	S/F SP & N DB:				
	Supplying and fixing following way prewired SP&N MCB, distribution board of steel sheet for 240 volts on surface/recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, detachable gland plate, interconnections, powder painted including earthing etc.as required(But without MCB/RCCB/Isolator) (Make: Legrand/Havells/HPL)				
	4 way SPN, double door	Each	1		
	6 way SPN, double door	Each	0		
14.1	S/F of DP ISOLATOR				
	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, ISOLATOR having a sensitivity current upto 100 to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc, as required.(Make: Legrand/Havells/HPL)				
	40A, DP isolator	Each	1		
	32A, DP Isolator	Each	0		
14.2	S/F of SP MCB				
	Supplying and fixing 6 amps to 10 amps rating, 240 Volts, "C" series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required.(Make: Legrand/Havells/HPL)				
	6/10A SP MCB	Each	3		

SCHEDULE V**SCHEDULE OF WORK - SONIPAT**

Sub: Civil and Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
15	Miscellaneous Items				
15.1	Miscellaneous electrical work, removing of existing conduits and interconnections of light,6A socket/16A socket/A/C point from existing DB	LS	0		
15.2	Miscellaneous work for supply and fixing of 1-tube light &1- 3 star rated ceiling fan with its all accessories only as per the direction of engineer in charge.[ISI MAKE]	LS	0		
	TOTAL for ELECTRICAL WORKS				
	Grand Total				Rs.
	GST @ 18%				Rs.
	Grand Total (In Rs. Incl. of taxes)				Rs.
I AGREE TO EXECUTE THE WORKS AS PER THE RATES QUOTED ABOVE					
Signature of Contractor					

SCHEDULE - V

SUMMARY OF WORK SCHEDULES

SL NO	LOCATION	QUOTED AMOUNT (INCLUDING GST@18%)
1	FATEHABAD	
2	HISSAR	
3	JIND	
4	KAITHAL	
5	KARNAL	
6	KURUKSHETRA	
7	YAMUNANAGAR	
GRAND TOTAL (INCLUDING GST@18%)		

GRANT TOTAL in words

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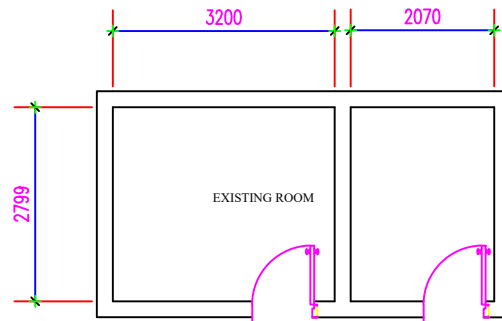
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Signature of Bidder

SCHEDULE VI

DRAWINGS




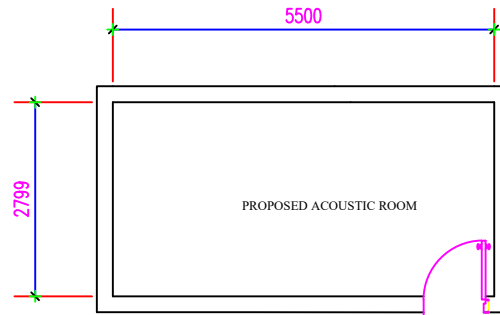
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	WIDTH	HEIGHT	WIDTH	HEIGHT					
DOORS:									
D1	1000	2150			WOODEN FRAMED DOOR	-	-	01	01
D2	900	2150			SAME AS D1	-	-	-	-
D2	700	2150			SAME AS D1	-	-	-	-
WINDOWS:									
					SAME AS D1				
W1	2050	1350			ALUMINIUM FRAMED WINDOW	-	-	01	01
W2	900	1350			SAME AS MD	-	-	-	-
W3	830	1200			SAME AS MD	-	-	-	-

DIMENSION: MM



SUBMISSION COPY

REF	DESCRIPTION	DATE	SIGN
REVISIONS			
COMMUNITY HOSPITAL AT BHIWANI, HARYANA			
PLAN - EXISTING CIVIL DRAWING			
ACOUSTIC ROOM			
 HLL LIFE CARE LTD. (A Government of India Enterprise)			
DRAWN	Bhuvan	JOB NO	DATE
CHECKED		901	22.01.2018
DWG NO	HLL-HP-RHU-BSR-DR-1	SCALE	1 : 100




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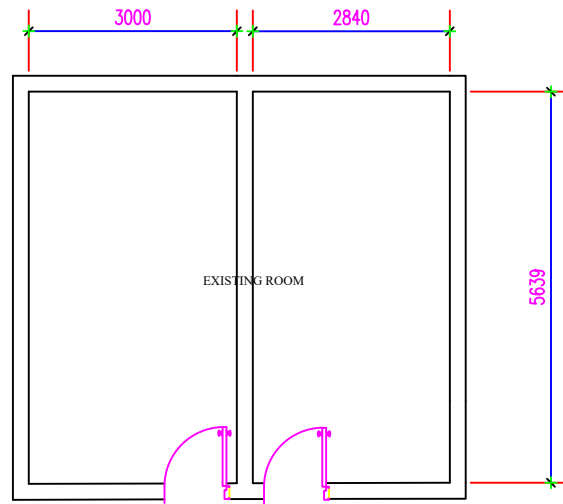
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WINDOWS:									
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COMMUNITY HOSPITAL AT BHIWANI, HARYANA			
PLAN - PROPOSED CIVIL DRAWING			
ACOUSTIC ROOM			
 HLL LIFE CARE LTD. (A Government of India Enterprise)			
DRAWN	Bluvan	JOB NO	DATE
CHECKED		902	SCALE
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SCHEDULE FOR DOORS, WINDOWS & VENTILATORS

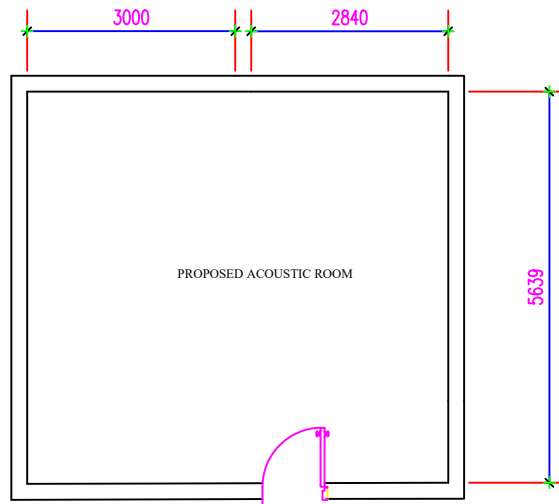
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REVISIONS			
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PLAN - EXISTING CIVIL DRAWING			
ACOUSTIC ROOM			
 H L L LIFE CARE LTD. (A Government of India Enterprise)			
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SCHEDULE FOR DOORS, WINDOWS & VENTILATORS

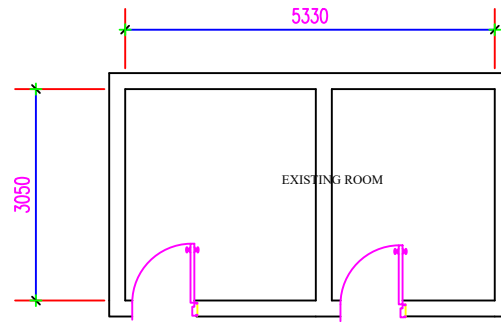
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PLAN - PROPOSED CIVIL DRAWING			
ACOUSTIC ROOM			
 HLL LIFE CARE LTD. (A Government of India Enterprise)			
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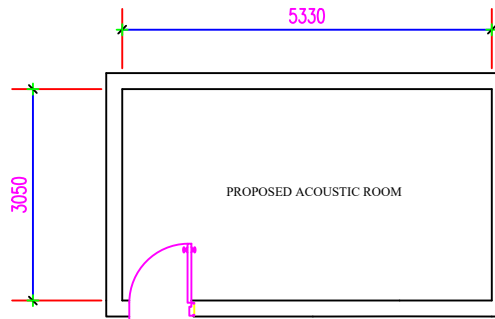
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W3	830	1200			SAME AS MD	-	-	-	-

DIMENSION: MM



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REVISIONS			
COMMUNITY HOSPITAL AT GURGOAN, HARYANA			
PLAN - EXISTING CIVIL DRAWING			
ACOUSTIC ROOM			
 H L L LIFE CARE LTD. (A Government of India Enterprise)			
DRAWN	Bluvan	JOB NO	DATE
CHECKED		907	SCALE
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SCHEDULE FOR DOORS, WINDOWS & VENTILATORS

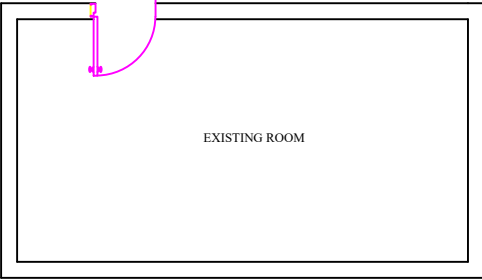
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COMMUNITY HOSPITAL AT GURGOAN, HARYANA			
PLAN - PROPOSED CIVIL DRAWING			
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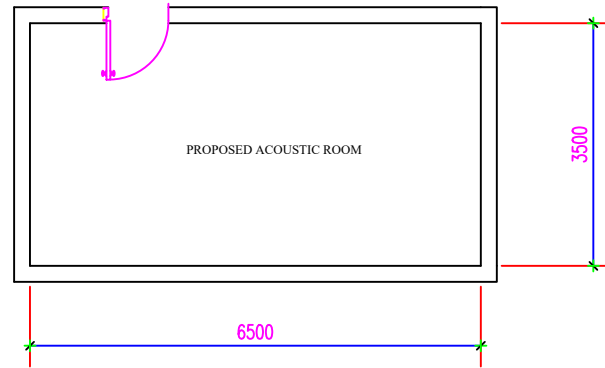
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PLAN - EXISTING CIVIL DRAWING			
ACOUSTIC ROOM			
 H L L LIFE CARE LTD. (A Government of India Enterprise)			
DRAWN	Bluvan	JOB NO	DATE
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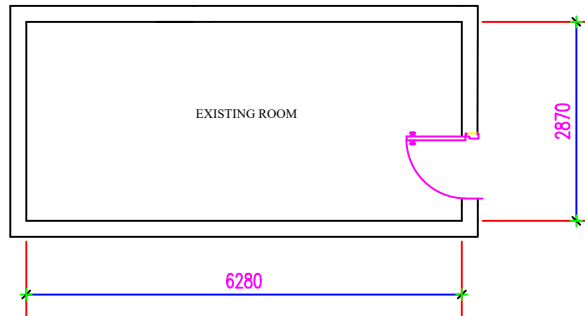
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REF	DESCRIPTION	DATE	SIGN
REVISIONS			
COMMUNITY HOSPITAL AT MEWAT, HARYANA			
PLAN - PROPOSED CIVIL DRAWING			
ACOUSTIC ROOM			
 HLL LIFE CARE LTD. (A Government of India Enterprise)			
DRAWN	Bluvan	JOB NO	DATE
CHECKED		920	SCALE
DWG NO	HLL-HP-RHU-BSR-DR-1		
			22.01.2018
			1 : 100




SCHEDULE FOR DOORS, WINDOWS & VENTILATORS

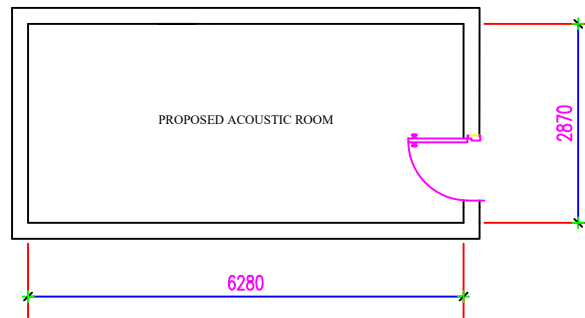
TYPE	OPENING SIZE		CASEMENT SIZE		DESCRIPTION	FIRST FLOOR	GROUND FLOOR	SECOND FLOOR	TOTAL
	WIDTH	HEIGHT	WIDTH	HEIGHT					
DOORS:									
D1	1000	2150			WOODEN FRAMED DOOR	-	-	01	01
D2	900	2150			SAME AS D1	-	-	-	-
D2	700	2150			SAME AS D1	-	-	-	-
WINDOWS:									
					SAME AS D1				
W1	2050	1350			ALUMINIUM FRAMED WINDOW	-	-	01	01
W2	900	1350			SAME AS MD	-	-	-	-
W3	830	1200			SAME AS MD	-	-	-	-

DIMENSION: MM



SUBMISSION COPY

REF	DESCRIPTION	DATE	SIGN
REVISIONS			
COMMUNITY HOSPITAL AT PANIPAT, HARYANA			
PLAN - EXISTING CIVIL DRAWING			
ACOUSTIC ROOM			
 H L L LIFE CARE LTD. (A Government of India Enterprise)			
DRAWN	Bluvan	JOB NO	DATE
CHECKED		923	SCALE
DWG NO	HLL-HP-RHU-BSR-DR-1		
			22.01.2018
			1 : 100




SCHEDULE FOR DOORS, WINDOWS & VENTILATORS

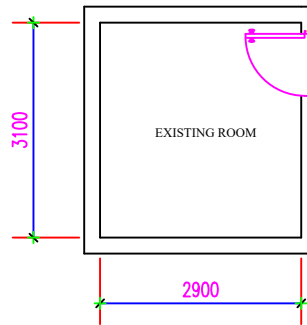
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	WIDTH	HEIGHT	WIDTH	HEIGHT					
DOORS:									
D1	1000	2150			WOODEN FRAMED DOOR	-	-	01	01
D2	900	2150			SAME AS D1	-	-	-	-
D2	700	2150			SAME AS D1	-	-	-	-
WINDOWS:									
					SAME AS D1				
W1	2050	1350			ALUMINIUM FRAMED WINDOW	-	-	01	01
W2	900	1350			SAME AS MD	-	-	-	-
W3	830	1200			SAME AS MD	-	-	-	-

DIMENSION: MM



SUBMISSION COPY

REF	DESCRIPTION	DATE	SIGN
REVISIONS			
COMMUNITY HOSPITAL AT PANIPAT, HARYANA			
PLAN - PROPOSED CIVIL DRAWING			
ACOUSTIC ROOM			
 HLL LIFE CARE LTD. (A Government of India Enterprise)			
DRAWN	Bluvan	JOB NO	DATE
CHECKED		924	SCALE
DWG NO	HLL-HP-RHU-BSR-DR-1		
			22.01.2018
			1 : 100




SCHEDULE FOR DOORS, WINDOWS & VENTILATORS

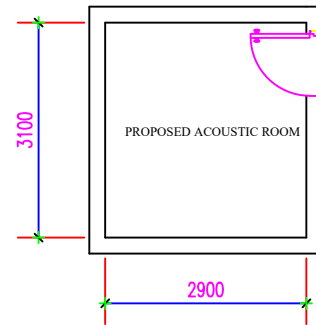
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	WIDTH	HEIGHT	WIDTH	HEIGHT					
DOORS:									
D1	1000	2150			WOODEN FRAMED DOOR	-	-	01	01
D2	900	2150			SAME AS D1	-	-	-	-
D2	700	2150			SAME AS D1	-	-	-	-
WINDOWS:									
					SAME AS D1				
W1	2050	1350			ALUMINIUM FRAMED WINDOW	-	-	01	01
W2	900	1350			SAME AS MD	-	-	-	-
W3	830	1200			SAME AS MD	-	-	-	-

DIMENSION: MM



SUBMISSION COPY

REF	DESCRIPTION	DATE	SIGN
REVISIONS			
COMMUNITY HOSPITAL AT REWARI, HARYANA			
PLAN - EXISTING CIVIL DRAWING			
ACOUSTIC ROOM			
 H L L LIFE CARE LTD. (A Government of India Enterprise)			
DRAWN	Bluvan	JOB NO	DATE
CHECKED		925	SCALE
DWG NO	HLL-HP-RHU-BSR-DR-1		
			22.01.2018
			1 : 100




SCHEDULE FOR DOORS, WINDOWS & VENTILATORS

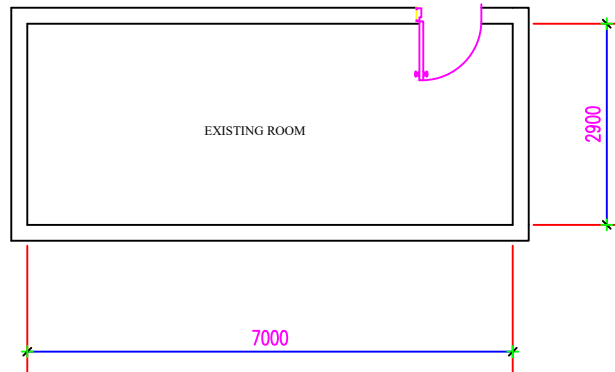
TYPE	OPENING SIZE		CASEMENT SIZE		DESCRIPTION	FIRST FLOOR	GROUND FLOOR	SECOND FLOOR	TOTAL
	WIDTH	HEIGHT	WIDTH	HEIGHT					
DOORS:									
D1	1000	2150			WOODEN FRAMED DOOR	-	-	01	01
D2	900	2150			SAME AS D1	-	-	-	-
D2	700	2150			SAME AS D1	-	-	-	-
WINDOWS:									
					SAME AS D1				
W1	2050	1350			ALUMINIUM FRAMED WINDOW	-	-	01	01
W2	900	1350			SAME AS MD	-	-	-	-
W3	830	1200			SAME AS MD	-	-	-	-

DIMENSION: MM



SUBMISSION COPY

REF	DESCRIPTION	DATE	SIGN
REVISIONS			
COMMUNITY HOSPITAL AT REWARI, HARYANA			
PLAN - PROPOSED CIVIL DRAWING			
ACOUSTIC ROOM			
 HLL LIFE CARE LTD. (A Government of India Enterprise)			
DRAWN	Bluvan	JOB NO	DATE
CHECKED		926	SCALE
DWG NO	HLL-HP-RHU-BSR-DR-1		
			22.01.2018
			1 : 100




SCHEDULE FOR DOORS, WINDOWS & VENTILATORS

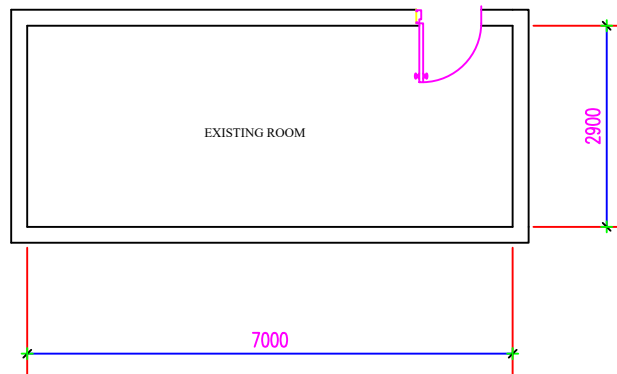
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	WIDTH	HEIGHT	WIDTH	HEIGHT					
DOORS:									
D1	1000	2150			WOODEN FRAMED DOOR	-	-	01	01
D2	900	2150			SAME AS D1	-	-	-	-
D2	700	2150			SAME AS D1	-	-	-	-
WINDOWS:									
					SAME AS D1				
W1	2050	1350			ALUMINIUM FRAMED WINDOW	-	-	01	01
W2	900	1350			SAME AS MD	-	-	-	-
W3	830	1200			SAME AS MD	-	-	-	-

DIMENSION: MM



SUBMISSION COPY

REF	DESCRIPTION	DATE	SIGN
REVISIONS			
COMMUNITY HOSPITAL AT SONIPAT, HARYANA			
PLAN - EXISTING CIVIL DRAWING			
ACOUSTIC ROOM			
 H L L LIFE CARE LTD. (A Government of India Enterprise)			
DRAWN	Bluvan	JOB NO	DATE
CHECKED		927	SCALE
DWG NO	HLL-HP-RHU-BSR-DR-1		
		22.01.2018	1 : 100




SCHEDULE FOR DOORS, WINDOWS & VENTILATORS									
TYPE	OPENING SIZE		CASEMENT SIZE		DESCRIPTION	FIRST FLOOR	GROUND FLOOR	SECOND FLOOR	TOTAL
	WIDTH	HEIGHT	WIDTH	HEIGHT					
DOORS:									
D1	1000	2150			WOODEN FRAMED DOOR	-	-	01	01
D2	900	2150			SAME AS D1	-	-	-	-
D2	700	2150			SAME AS D1	-	-	-	-
WINDOWS:									
					SAME AS D1				
W1	2050	1350			ALUMINIUM FRAMED WINDOW	-	-	01	01
W2	900	1350			SAME AS MD	-	-	-	-
W3	830	1200			SAME AS MD	-	-	-	-

DIMENSION: MM



SUBMISSION COPY

REF	DESCRIPTION	DATE	SIGN
REVISIONS			
COMMUNITY HOSPITAL AT SONIPAT, HARYANA			
PLAN - PROPOSED CIVIL DRAWING			
ACOUSTIC ROOM			
 HLL LIFE CARE LTD. (A Government of India Enterprise)			
DRAWN	Bluvan	JOB NO	DATE
CHECKED		928	SCALE
DWG NO	HLL-HP-RHU-BSR-DR-1		
			22.01.2018
			1 : 100