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

INVITATION FOR BIDS (IFB) – AMENDMENT NO: 5

Sub: Amendment Notice 5 - Civil & Electrical works (Renovation) for setting up of Audiometry rooms at various civil hospitals in Southern Haryana

Ref: IFB Ref No HLL/CHO/PROJ/HCD/HAR-AUD/SOUTH/C&E/2017-18 dated 01-02-2018

Amendment Date: 19-03-2018

With reference to the above, please find the following amendments:

1. The scheduled date for issue, receipt and opening of bids is hereby amended as follows.

- | | |
|--|--------------------------------------|
| a) Date of issue of tender document | - 01-02-2018 onwards |
| b) Last date and time for receipt of bids | - 27-03-2018 up to 15.00 Hrs. |
| c) Date and time of opening of bids | - 27-03-2018, 15.30 Hrs. |

2. **Schedule V:** Schedule of Work is Amended and **Schedule V - Amended** is enclosed.

All other terms and conditions of the tender remain unchanged.

SENIOR MANAGER (PROJECTS)

SCHEDULE V

SCHEDULE OF WORK - BHIWANI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Civil Works				
CEMENT CONCRETE					
	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.		M.CUBE		
	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.	1.00	M.CUBE		
MASONRY WORK					
	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.		M.CUBE		
	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	6.00	M.SQ		
FLOORING					
	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	16.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - BHIWANI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	area.No extra shall be payable for forming any pattern in the flooring like border, cut tiles,etc.				
	<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>	0.00	M.SQ		
	<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>	0.00	M.SQ		
PLASTERING					
	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.	18.00	M.SQ		
	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.		M.SQ		
PAINTING					

SCHEDULE V

SCHEDULE OF WORK - BHIWANI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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.		M.SQ		
	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	112.00	M.SQ		
	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	12.00	M.SQ		
	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	9.00	M.SQ		
	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	112.00	M.SQ		
	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete		M.SQ		
	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		M.SQ		
DISMANTLING					
	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.	2.00	M.CUBE		

SCHEDULE V

SCHEDULE OF WORK - BHIWANI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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.	1.00	M.CUBE		
	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	36.00	SQM		
	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.	2.00	EACH		
	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	36.00	M.SQ		
FALSE CEILING & CLADDING					
	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		M.SQ		

SCHEDULE V

SCHEDULE OF WORK - BHIWANI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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."				
	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.	5.00	M.SQ		
	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	16	M.SQ		

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SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	1182 and the ceilings should fall under Class A2 –s1 d0 according to EN 13501- 1.				
	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.	72	M.SQ		

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SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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)	0	M.SQ		
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	4	Point		
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	26	Metre		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	18	Metre		
c	2X4 sq.mm + 1X4 sq.mm earth wire	0	Metre		
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	0	Metre		
3	A/C point				

SCHEDULE V

SCHEDULE OF WORK - BHIWANI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, 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)	2	Point		
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)	0	Each		
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	2	Each		
b	4 module	1	Each		
b	6 module	4	Each		
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	8	Each		
b	3 pin 5/6 Amp socket outlet	8	Each		
c	15/16 Amps switch	2	Each		
d	6pin 15/16 Amps (universal) socket outlet	2	Each		
e	Telephone socket outlet	0	Each		
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	28	Metre		

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SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
b	25 mm	18	Metre		
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.	4	Each		
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.	0	Each		
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.	0	Each		
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	25	Metre		
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/	4	Each		
12.1	Supply and installation of 18 W CFL with its all accessories.	0	Each		
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)	0	Each		

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SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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)	0	Each		
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	0	Each		
	6 way SPN, double door	1	Each		
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	1	Each		
	32A, DP Isolator	0	Each		
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	4	Each		
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	0	LS		
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]	0	Ls		
	Total for Electrical Works				
	Sub Total (Civil & Electrical) (Rs:)				

SCHEDULE V

SCHEDULE OF WORK - BHIWANI

Civil & Electrical works for setting up of Audiometry room at District Hospital, Bhiwani, Haryana					
SUB:					
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	GST				
	Grand Total (Inclusive of GST)				
<p>I agree to complete the work as per the schedule at the rate quoted by me as above.</p> <p>Date: _____ Bidder: _____</p>					

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Civil Works				
CEMENT CONCRETE					
	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.		M.CUBE		
	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.	1.00	M.CUBE		
MASONRY WORK					
	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.		M.CUBE		
	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	6.00	M.SQ		
FLOORING					
	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.	34.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<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>	0.00	M.SQ		
	<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>	0.00	M.SQ		
PLASTERING					
	<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>	18.00	M.SQ		
	<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>		M.SQ		
PAINTING					
	<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>		M.SQ		
	<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>	112.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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	12.00	M.SQ		
	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	9.00	M.SQ		
	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	112.00	M.SQ		
	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete		M.SQ		
	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		M.SQ		
DISMANTLING					
	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.	2.00	M.CUBE		
	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.	1.00	M.CUBE		
	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	36.00	SQM		
	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.	2.00	EACH		
	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	36.00	M.SQ		
FALSE CEILING & CLADDING					

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>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."</p>		M.SQ		
	<p>Providing & fixing 35mm Flush doors 1.0 mm thk laminate as per design. The item includes Providing and fixing chauhats 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 chauhats.</p>	5.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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.	34	M.SQ		
	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 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	92	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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.				
	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)	0	M.SQ		
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	4	Point		
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	26	Metre		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	18	Metre		
c	2X4 sq.mm + 1X4 sq.mm earth wire	0	Metre		
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	0	Metre		
3	A/C point				

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Faridabad, 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)	2	Point		
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)	0	Each		
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	2	Each		
b	4 module	1	Each		
b	6 module	4	Each		
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	8	Each		
b	3 pin 5/6 Amp socket outlet	8	Each		
c	15/16 Amps switch	2	Each		
d	6pin 15/16 Amps (universal) socket outlet	2	Each		
e	Telephone socket outlet	0	Each		
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	28	Metre		
b	25 mm	18	Metre		

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	QTY	UNIT	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.	4	Each		
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.	0	Each		
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.	0	Each		
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	25	Metre		
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/	4	Each		
12.1	Supply and installation of 18 W CFL with its all accessories.	0	Each		
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)	0	Each		
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)	0	Each		
14	S/F SP & N DB:				

SCHEDULE V

SCHEDULE OF WORK - FARIDABAD					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Faridabad, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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	0	Each		
	6 way SPN, double door	1	Each		
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	1	Each		
	32A, DP Isolator	0	Each		
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	4	Each		
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	0	LS		
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]	0	Ls		
	Total for Electrical Works				
	Sub Total (Civil & Electrical) (Rs:)				
	GST				
	Grand Total (Inclusive of GST)				
I agree to complete the work as per the schedule at the rate quoted by me as above.					
Date:					Bidder:

SCHEDULE V

SCHEDULE OF WORK - GURGAON					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Gurgaon, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
Civil Works					
CEMENT CONCRETE					
	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.		M.CUBE		
	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.	1.00	M.CUBE		
MASONRY WORK					
	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.		M.CUBE		
	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	6.00	M.SQ		
FLOORING					
	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.	17.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - GURGAON					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Gurgaon, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<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>	0.00	M.SQ		
	<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>	0.00	M.SQ		
PLASTERING					
	<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>	18.00	M.SQ		
	<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>		M.SQ		
PAINTING					
	<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>		M.SQ		
	<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>	112.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - GURGAON					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Gurgaon, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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	12.00	M.SQ		
	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	9.00	M.SQ		
	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	112.00	M.SQ		
	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete		M.SQ		
	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		M.SQ		
DISMANTLING					
	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.	2.00	M.CUBE		
	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.	1.00	M.CUBE		
	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	36.00	SQM		
	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.	2.00	EACH		
	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	36.00	M.SQ		
FALSE CEILING & CLADDING					

SCHEDULE V

SCHEDULE OF WORK - GURGAON

Civil & Electrical works for setting up of Audiometry room at District Hospital, Gurgaon, Haryana					
SUB:					
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>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."</p>		M.SQ		
	<p>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.</p>	5.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - GURGAON					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Gurgaon, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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.	17	M.SQ		
	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.	71	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - GURGAON					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Gurgaon, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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)	0	M.SQ		
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	4	Point		
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	26	Metre		
	b 2X2.5 sq.mm + 1 X2.5 sq mm earth wire	18	Metre		
	c 2X4 sq.mm + 1X4 sq.mm earth wire	0	Metre		
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	0	Metre		
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)	2	Point		

SCHEDULE V

SCHEDULE OF WORK - GURGAON					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Gurgaon, Haryana				
S.No	DESCRIPTION	QTY	UNIT	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)	0	Each		
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	2	Each		
b	4 module	1	Each		
b	6 module	4	Each		
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	8	Each		
b	3 pin 5/6 Amp socket outlet	8	Each		
c	15/16 Amps switch	2	Each		
d	6pin 15/16 Amps (universal) socket outlet	2	Each		
e	Telephone socket outlet	0	Each		
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	30	Metre		
b	25 mm	18	Metre		
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.	4	Each		
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.	0	Each		

SCHEDULE V

SCHEDULE OF WORK - GURGAON					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Gurgaon, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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.	0	Each		
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	25	Metre		
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/	4	Each		
12.1	Supply and installation of 18 W CFL with its all accessories.	0	Each		
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)	0	Each		
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)	0	Each		
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	0	Each		
	6 way SPN, double door	1	Each		
14.1	S/F of DP ISOLATOR				

SCHEDULE V

SCHEDULE OF WORK - GURGAON					
Civil & Electrical works for setting up of Audiometry room at District Hospital, Gurgaon, Haryana					
SUB:					
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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	1	Each		
	32A, DP Isolator	0	Each		
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	4	Each		
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	0	LS		
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]	0	Ls		
	Total for Electrical Works				
	Sub Total (Civil & Electrical) (Rs:)				
	GST				
	Grand Total (Inclusive of GST)				
I agree to complete the work as per the schedule at the rate quoted by me as above.					
Date:					Bidder:

SCHEDULE V

SCHEDULE OF WORK - Mewat					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Civil Works				
CEMENT CONCRETE					
	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.		M.CUBE		
	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.	1.00	M.CUBE		
MASONRY WORK					
	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.		M.CUBE		
	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	8.00	M.SQ		
FLOORING					
	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.	24.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - Mewat					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<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>	0.00	M.SQ		
	<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>	0.00	M.SQ		
PLASTERING					
	<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>	16.00	M.SQ		
	<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>		M.SQ		
PAINTING					
	<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>		M.SQ		
	<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>	36.00	M.SQ		
	<p>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</p>	12.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - Mewat					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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	9.00	M.SQ		
	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	36.00	M.SQ		
	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete		M.SQ		
	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		M.SQ		
DISMANTLING					
	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.	2.00	M.CUBE		
	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.	1.00	M.CUBE		
	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	36.00	SQM		
	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.	2.00	EACH		
	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	36.00	M.SQ		
FALSE CEILING & CLADDING					

SCHEDULE V

SCHEDULE OF WORK - Mewat					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>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."</p>		M.SQ		
	<p>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.</p>	5.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - Mewat					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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 noncombustible according to EN ISO 1182 and the ceilings should fall under Class A2 -s1 d0 according to EN 13501- 1.	24	M.SQ		
	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 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.	84	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - Mewat					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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)	0	M.SQ		
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	4	Point		
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	15	Metre		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	12	Metre		
c	2X4 sq.mm + 1X4 sq.mm earth wire	0	Metre		
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	0	Metre		
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)	1	Point		
4	Modular type blanking plate:				
	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.(Make:	1	Each		

SCHEDULE V

SCHEDULE OF WORK - Mewat					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Legrand/Havells/HPL)				
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	0	Each		
b	3 module	3	Each		
c	4 module	1	Each		
e	6 module	4	Each		
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	8	Each		
b	3 pin 5/6 Amp socket outlet	8	Each		
c	15/16 Amps switch	3	Each		
d	6pin 15/16 Amps (universal) socket outlet	3	Each		
e	Telephone socket outlet	0	Each		
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	16	Metre		
b	25 mm	13	Metre		
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.	4	Each		
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.	0	Each		
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.	0	Each		

SCHEDULE V

SCHEDULE OF WORK - Mewat					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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	15	Metre		
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/	4	Each		
12.1	Supply and installation of 18 W CFL with its all accessories.	0	Each		
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)	0	Each		
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)	0	Each		
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	1	Each		
	6 way SPN, double door	0	Each		
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	1	Each		
	32A, DP Isolator	0	Each		
14.2	S/F of SP MCB				

SCHEDULE V

SCHEDULE OF WORK - Mewat					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Mewat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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	3	Each		
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	0	LS		
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]	0	Ls		
	Total for Electrical Works				
	Sub Total (Civil & Electrical) (Rs:)				
	GST				
	Grand Total (Inclusive of GST)				

I agree to complete the work as per the schedule at the rate quoted by me as above.

Date:

Bidder:

SCHEDULE V

SCHEDULE OF WORK - PANIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Civil Works				
CEMENT CONCRETE					
	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.		M.CUBE		
	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.	1.00	M.CUBE		
MASONRY WORK					
	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.		M.CUBE		
	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	6.00	M.SQ		
FLOORING					
	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.	19.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - PANIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<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>	0.00	M.SQ		
	<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>	0.00	M.SQ		
PLASTERING					
	<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>	12.00	M.SQ		
	<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>		M.SQ		
PAINTING					
	<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>		M.SQ		
	<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>	36.00	M.SQ		
	<p>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</p>	12.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - PANIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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	9.00	M.SQ		
	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	36.00	M.SQ		
	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete		M.SQ		
	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		M.SQ		
DISMANTLING					
	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.	2.00	M.CUBE		
	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.	1.00	M.CUBE		
	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	36.00	SQM		
	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.	2.00	EACH		
	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	36.00	M.SQ		
FALSE CEILING & CLADDING					

SCHEDULE V

SCHEDULE OF WORK - PANIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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."		M.SQ		
	Providing & fixing 35mm Flush doors 1.0 mm thk laminate as per design. The item includes Providing and fixing chaukhats made from 100mm x S0mm 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.	5.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - PANIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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.	19	M.SQ		
	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 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.	76	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - PANIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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)	0	M.SQ		
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	4	Point		
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	15	Metre		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	15	Metre		
c	2X4 sq.mm + 1X4 sq.mm earth wire	0	Metre		
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	0	Metre		
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)	1	Point		
4	Modular type blanking plate:				
	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.(Make:	1	Each		

SCHEDULE V

SCHEDULE OF WORK - PANIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Legrand/Havells/HPL)				
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	0	Each		
b	3 module	3	Each		
c	4 module	1	Each		
e	6 module	4	Each		
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	8	Each		
b	3 pin 5/6 Amp socket outlet	8	Each		
c	15/16 Amps switch	3	Each		
d	6pin 15/16 Amps (universal) socket outlet	3	Each		
e	Telephone socket outlet	0	Each		
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	16	Metre		
b	25 mm	15	Metre		
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.	4	Each		
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.	0	Each		

SCHEDULE V

SCHEDULE OF WORK - PANIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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.	0	Each		
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	15	Metre		
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/	4	Each		
12.1	Supply and installation of 18 W CFL with its all accessories.	0	Each		
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)	0	Each		
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)	0	Each		
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	1	Each		
	6 way SPN, double door	0	Each		
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	1	Each		
	32A, DP Isolator	0	Each		

SCHEDULE V

SCHEDULE OF WORK - PANIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Panipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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	3	Each		
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	0	LS		
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]	0	Ls		
	Total for Electrical Works				
	Sub Total (Civil & Electrical) (Rs:)				
	GST				
	Grand Total (Inclusive of GST)				
I agree to complete the work as per the schedule at the rate quoted by me as above.					
Date:				Bidder:	

SCHEDULE V

SCHEDULE OF WORK - REWARI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Civil Works				
CEMENT CONCRETE					
	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.		M.CUBE		
	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.	1.00	M.CUBE		
MASONRY WORK					
	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.		M.CUBE		
	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	16.00	M.SQ		
FLOORING					
	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.	19.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - REWARI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<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>	0.00	M.SQ		
	<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>	0.00	M.SQ		
PLASTERING					
	<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>	32.00	M.SQ		
	<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>		M.SQ		
PAINTING					
	<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>		M.SQ		
	<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>	118.00	M.SQ		
	<p>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</p>	12.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - REWARI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	brand and manufacture				
	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	9.00	M.SQ		
	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	118.00	M.SQ		
	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete		M.SQ		
	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		M.SQ		
DISMANTLING					
	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.	2.00	M.CUBE		
	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.	1.00	M.CUBE		
	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	36.00	SQM		
	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.	2.00	EACH		
	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	36.00	M.SQ		
FALSE CEILING & CLADDING					

SCHEDULE V

SCHEDULE OF WORK - REWARI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>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."</p>		M.SQ		
	<p>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 Includng chaukhats.</p>	5.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - REWARI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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.	19	M.SQ		
	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 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.	78	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - REWARI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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)	0	M.SQ		
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	2	Point		
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	10	Metre		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	8	Metre		
c	2X4 sq.mm + 1X4 sq.mm earth wire	0	Metre		
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	0	Metre		
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)	1	Point		
4	Modular type blanking plate:				

SCHEDULE V

SCHEDULE OF WORK - REWARI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.(Make: Legrand/Havells/HPL)	1	Each		
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	0	Each		
b	3 module	3	Each		
c	4 module	1	Each		
e	6 module	4	Each		
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	8	Each		
b	3 pin 5/6 Amp socket outlet	8	Each		
c	15/16 Amps switch	3	Each		
d	6pin 15/16 Amps (universal) socket outlet	3	Each		
e	Telephone socket outlet	0	Each		
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	12	Metre		
b	25 mm	10	Metre		
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.	2	Each		
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.	0	Each		

SCHEDULE V

SCHEDULE OF WORK - REWARI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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.	0	Each		
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	10	Metre		
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/	2	Each		
12.1	Supply and installation of 18 W CFL with its all accessories.	0	Each		
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)	0	Each		
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)	0	Each		
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	1	Each		
	6 way SPN, double door	0	Each		
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 - REWARI					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Rewari, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	40A, DP isolator	1	Each		
	32A, DP Isolator	0	Each		
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	3	Each		
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	0	LS		
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]	0	Ls		
	Total for Electrical Works				
	Sub Total (Civil & Electrical) (Rs:)				
	GST				
	Grand Total (Inclusive of GST)				
<p>I agree to complete the work as per the schedule at the rate quoted by me as above.</p> <p>Date: _____ Bidder: _____</p>					

SCHEDULE V

SCHEDULE OF WORK - SONIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Civil Works				
CEMENT CONCRETE					
	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.		M.CUBE		
	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.	1.00	M.CUBE		
MASONRY WORK					
	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.		M.CUBE		
	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	10.00	M.SQ		
FLOORING					
	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.	10.00	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - SONIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<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>	0.00	M.SQ		
	<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>	0.00	M.SQ		
PLASTERING					
	<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>	20.00	M.SQ		
	<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>		M.SQ		
PAINTING					
	<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>		M.SQ		

SCHEDULE V

SCHEDULE OF WORK - SONIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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	78.00	M.SQ		
	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	12.00	M.SQ		
	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	9.00	M.SQ		
	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	78.00	M.SQ		
	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete		M.SQ		
	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		M.SQ		
DISMANTLING					
	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.	2.00	M.CUBE		
	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.	1.00	M.CUBE		
	Dismantling Aluminium partition including disposing the debris away from site as directed by engineer in charge all complete.	36.00	SQM		

SCHEDULE V

SCHEDULE OF WORK - SONIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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.	2.00	EACH		
	Dismantling Tile Flooring and Walls and disposing the debris away from site all complete as directed.	36.00	M.SQ		
FALSE CEILING & CLADDING					
	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		M.SQ		

SCHEDULE V

SCHEDULE OF WORK - SONIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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."				
	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.	5.00	M.SQ		
	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.	10	M.SQ		

SCHEDULE V

SCHEDULE OF WORK - SONIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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.	56	M.SQ		
	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)	0	M.SQ		
Total for Civil Works					

SCHEDULE V

SCHEDULE OF WORK - SONIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	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	4	Point		
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	15	Metre		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	12	Metre		
c	2X4 sq.mm + 1X4 sq.mm earth wire	0	Metre		
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	0	Metre		
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)	1	Point		
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)	1	Each		
5	Modular boxes, bases & cover plate:				

SCHEDULE V

SCHEDULE OF WORK - SONIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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	0	Each		
b	3 module	3	Each		
c	4 module	1	Each		
e	6 module	4	Each		
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	8	Each		
b	3 pin 5/6 Amp socket outlet	8	Each		
c	15/16 Amps switch	3	Each		
d	6pin 15/16 Amps (universal) socket outlet	3	Each		
e	Telephone socket outlet	0	Each		
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	16	Metre		
b	25 mm	13	Metre		
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.	4	Each		
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.	0	Each		
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.	0	Each		

SCHEDULE V

SCHEDULE OF WORK - SONIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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	10	Metre		
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/	4	Each		
12.1	Supply and installation of 18 W CFL with its all accessories.	0	Each		
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)	0	Each		
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)	0	Each		
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	1	Each		
	6 way SPN, double door	0	Each		
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				

SCHEDULE V

SCHEDULE OF WORK - SONIPAT					
SUB:	Civil & Electrical works for setting up of Audiometry room at District Hospital, Sonipat, Haryana				
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	commissioning etc, as required.(Make: Legrand/Havells/HPL)				
	40A, DP isolator	1	Each		
	32A, DP Isolator	0	Each		
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	3	Each		
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	0	LS		
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]	0	Ls		
	Total for Electrical Works				
	Sub Total (Civil & Electrical) (Rs:)				
	GST				
	Grand Total (Inclusive of GST)				
<p>I agree to complete the work as per the schedule at the rate quoted by me as above.</p> <p>Date: Bidder:</p>					