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## Item Rate BoQ

Tender Inviting Authority: PRINCIPAL, RAM LAL ANAND COLLEGE, NEW DELHI 110021

Name of Work: E-TENDER FOR CIVIL, INTERIORS, FIRE FIGHTING, ELECTRICAL, HVAC, AUDIO, VIDEO &amp; STAGE LIGHTING WORKS AT AUDITORIUM BUILDING OF RLA COLLEGE

Contract No: E-TENDER/RLAC/2023/1198 DATED 09.01.2023.

Name of the Bidder/  
Bidding Firm /  
Company :

## PRICE SCHEDULE

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	RATE WITH TAXES In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT With All Taxes	TOTAL AMOUNT WITH ALL TAXES In Words
1	2	4	5	6	13	54	55
1.00	<b>NOTE: ITEMS MENTIONED AS 0 (ZERO) QUANTITY ARE RATE ONLY ITEMS. PLEASE QUOTE THE RATES FOR THOSE ITEMS.</b>  <b>CIVIL WORKS</b>						
1.01	Providing, erecting, maintaining and removing temporary protective screens made out of specified fabric with all necessary fixing arrangement to ensure that it remains in position for the work duration as required by the Engineer-in-charge.	120.00	SQM	45.70		0.00	INR Zero Only
1.02	Dismantling Work of the below listed items including disposal of unserviceable material, Cleaning the hall and its surroundings and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge. Rate shall be inclusive of all labour, materials, tools & plant, ladders, scaffolding etc. as required to complete the work to the satisfaction of the engineer incharge.  1) Removal of auditorium chairs and complete auditorium flooring to make bare the under surface. 2) Removal of all electrical wires & cables, switches, switch boxes, exposed conduits, light fittings and fixtures, Distribution boards etc. complete. 3) Removal of AC indoor and outdoor units including there frames, suspenders, piping and accessories complete. 4) Removal of all False Ceiling frames, suspenders, sections, supports etc. 5) Removal of all wall cladding including Frames etc. <del>6) Removal of all existing doors and windows including the door window frames</del>	1.00	LUMP SUM	50000.00		0.00	INR Zero Only
1.03	Dismantling Work of the below listed items including disposal of unserviceable material, Cleaning the hall and its surroundings and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge. Rate shall be inclusive of all labour, materials, tools & plant, ladders, scaffolding etc. as required to complete the work to the satisfaction of the engineer incharge.  Demolition of WALL & CEILING plaster to expose the RCC beams & RCC slab.	300.00	SQM	45.05		0.00	INR Zero Only

1.04	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge 25 mm average thickness.	50.00	SQM	104.60		0.00	INR Zero Only
1.05	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	100.00	CUM	219.35		0.00	INR Zero Only
1.06	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diametre (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	232.00	EACH	202.70		0.00	INR Zero Only
1.07	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in- Charge.  (The payment shall be made on the basis of actual weight of approved grout injected.)  Stirrer mixed SBR Polymer (of approved make) modified Cement slurry made with Shrinkage Compensating Cement in concrete/RCC work.	232.00	KG	106.70		0.00	INR Zero Only
1.08	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) <del>The payment will be made once only for execution of all items of works</del>	900.00	SQM	285.00		0.00	INR Zero Only
1.09	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.  SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer.	150.00	SQM	117.75		0.00	INR Zero Only

1.10	Plaster of walls and ceiling with SBR polymer (of SikaLatex® SBR / Nitobond SBR / Cico Latex Sbr/ DR. FIXIT 302 SBR Latex make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge  Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2).	260.00	SQM	333.00		0.00	INR Zero Only
1.11	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections	150.00	Meter	64.07		0.00	INR Zero Only
1.12	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	300.00	SQM	64.450		0.00	INR Zero Only
1.13	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars including fixing 16mm dia 200mm bolt of steel grade 5.8 (hilti/fisher make) in position using epoxy resin anchor grout of Hilty HIT-RE 500 V3 make all complete as per direction of Engineer-In-Charge.	200.00	EACH	750.000		0.00	INR Zero Only
1.14	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of Zinc Chromate Primer all complete.	5822.00	kg	78.200		0.00	INR Zero Only
1.15	Brick work with common burnt clay selected F.P.S. (non modular) bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand) Above plinth level upto floor V level	12.00	CUM	8565.950		0.00	INR Zero Only
1.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete MS Hollow tube rough frame for door window openings	98.00	KG	154.900		0.00	INR Zero Only
1.17	Providing Fixing Anodized Aluminium window using Jindal Domal Z sections, as per design complete with 6mm toughened fixed glass panel, 6mm toughened openable glass window , PEGO Single point window handle HD 10, a pair of 400 mm stainless steel 304 GRADE friction stays of EBCO HILOAD make, fixing with hilti/fisher SS dash fasteneres, sealing of gap (upto 5mm) between window and wall with silicon sealent etc. all complete. Minimum 2mm thick aluminium section . Rates including all labour, materials, dash fastners, silicon sealent etc. complete.	176.00	SQFT	850.000		0.00	INR Zero Only
1.18	Providing and fixing carbon steel galvanised ( minimum coating 5 micron) dash fastener (Hilti/Fischer make) of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 mm dia polyamide PA6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge. 10 x 120 mm	20.00	EACH	140.000		0.00	INR Zero Only

1.19	ACOUSTIC DOOR WITH CHOWKHAT FOR DOOR OPENING SIZE 1.46M X 2.1M: Providing, Supplying, Installation, Testing and fixing in position a 65 mm thick acoustic door with chowkhat. Door should have a 150 mm x 300 mm vision panel of 6.0 mm thick toughened glass. Both Shutters shall be made with 100mm x 50mm thick hardwood outer frame with 50 mm x 50 mm hardwood ribs at 500 mm c/c bothways. All woodwork shall be treated with anti-termite treatment. The door shutter shall have 6 mm thick BWP grade plywood fixed on its both sides. All the cavities inside the door shall be filled with high NRC acoustic insulation materials (rockwool of 60 kg/m3 density) Insides of the door will be lined with 3mm thick MLV Sheet of minimum 1700 kg/m3 density. Periphery of the the shutter shall be covered with 12mm thick teakwood lipping matching with the door frame. The external faces of the door shutter will be finished with 1mm thick laminate on both sides. Teakwood lipping will be melamine polished. Weather seal of Rehau make shall be fixed on the door frame to fill the gap of shutter and wooden frame. Drop down seal to be fixed in shutter to block the gap with floor when the door is closed. The cost shall include all hardware fittings like heavy duty SS Hinges ( 4inch long - 5 per door) , 1ft long D type SS 304 Handles of Godrej/Hettich/Dorma make ( both inside and outside).	2.00	Nos	40000.000		0.00	INR Zero Only
1.20	Providing and fixing Godrej Kaditala 275 mm Chrome	2.00	Nos	1800.000		0.00	INR Zero Only
1.21	Providing and fixing hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, for door weight upto 80 kg to 100 kg and door width from 750 mm to 900 mm), with double speed adjustment with necessary accessories and screws etc. complete. (Only of Godrej/Hettich/Dorset/Dorma)	2.00	Nos	3000.000		0.00	INR Zero Only
1.22	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete	65.00	SQM	2038.550		0.00	INR Zero Only
1.23	25mm Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand)	106.00	SQM	1706.600		0.00	INR Zero Only
1.24	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	150.00	Meter	157.350		0.00	INR Zero Only
1.25	Providing & fixing in position Phenol bonded Bamboo wood flooring for stage area with planks of sizes 14mm thick, 1800mm length (minimum) and 130 mm wide(minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC). The flooring shall be fixed with tongue and groove interlocking system, with underlayment of 4mm thick expanded poly ethylene foam sheets having density 40kg/cum, over prepared surface with necessary quarter round planks of size 1900mm x 18mm and door reducer of size 1900mm x 44mm, wherever required. The bamboo wood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of Engineer in-charge.	22.00	SQM	5289.050		0.00	INR Zero Only

1.26	<p>2" thick Slotted Wood Finish Wall Panel system on Masonry: Providing and fixing wall panelling on existing masonry with 50mm x 50mm Aluminium section framework of size 600mmx600mm grids and filled with acoustical insulation of 50 mm thickness 1000 gsm density from Star Insulation or Prime Insulation. The framework and acoustical infill is to be concealed behind the 15mm Slotted finish fire rated wood finish MDF panels from Topakustik, Wood Fit, Armstrong, Sound Slats, RPG or equivalent approved vendors.</p> <p>The perforated wood finish panels must have a minimum perforation area of 12% or higher and is to be supplied with black RP Tissue or equivalent of approved quality. This should be completed as per details and diagrams provided.</p> <p>Rate shall be inclusive of installation on the frame work arrangements. Works will be inclusive of scaffolding and staging at all levels. Rate shall include the preparation of detailed shop drawings as per site conditions, which shall be approved before commencement of works.</p>	101.00	SQM	5500.000		0.00	INR Zero Only
1.27	<p>Acoustical Wall Panels with Gripper system: Providing and installing Acoustical treatment to the walls, including 2"x2" Aluminium section framework of size 600mmx600mm and 50 mm thick Acoustical Insulation of 1000 gsm density from Star Insulation or Prime Insulation. 9 mm thick Plywood strips-100 mm width strips with 20 mm air gaps in between, fixed over acoustical insulation. The plywood strips are to be faced with 6 mm thk fire retardant polyester wadding and gripper system from Walltracts. Chisel Interiors Inter Dimension or equivalent system) pressure stapled over Plywood strips and selected FINAL Fabric . Fabric is to be approved by Client and tested by vendor for dimensional stability etc installed in the gripper system, all done in accordance to the recommendation and the specs Rate quoted includes all the materials, labour, scaffolding, lead, lift, finishing, cleaning,hardware, etc complete.Contractors shall submit the samples and the Shop drawings to the architect prior to the commencement of the work for approval.</p>	30.00	SQM	4000.000		0.00	INR Zero Only
1.28	<p>DSR 2021 12.45.4 . Gypsum board false ceiling with Fully Perforated Gypsum Plaster Board of size 1200 x 2400x12.5 mm having approx. 15 % perforated area with perforation size and pattern as approved by the Engineerin-charge and as per manufacturer's specification, withall 4 side tapered and backed by acoustical tissue with NRC value not less than 0.60. (GYPROC or approved equivalent)</p>	100.00	SQM	1300.500		0.00	INR Zero Only
1.29	<p>SCRAPPING AND SANDING OF WALLS / CEILING SURFACE : to remove existing paint and undulations and preparing the surface smooth including necessary repairs to scratches etc. complete. SANDING TO BE DONE WITH DUST FREE MECHANICAL SANDING MACHINES.</p>	900.00	SQM	20.850		0.00	INR Zero Only
1.30	<p>EXTERIOR PAINTING : Finishing walls with 2 COATS of 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali &amp; fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives.</p> <p>Two coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.</p> <p>APPROVED MAKES FOR PAINT:  (BERGER WEATHERCOAT LONG LIFE 7,  ASIAN PAINT ULTIMA EMULSION,  NEROLAC EXCEL ALL IN ONE ,  DULUX WEATHERSHEILD POWERFLEXX)</p>	600.00	SQM	218.900		0.00	INR Zero Only

1.31	<p>INTERIOR PUTTY: Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.</p> <p>APPROVED MAKES FOR PUTTY: (BIRLA WHITE, JK WALL PUTTY, BERGER WALL PUTTY, ASIAN PAINTS WALL PUTTY, DULUX WALL PUTTY, NEROLAC WALL PUTTY)</p>	300.00	SQM	123.850		0.00	INR Zero Only
1.32	<p>INTERIOR PAINTING: Wall painting with 2 COATS of premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour Including priming coat of approved brand wall primer.</p> <p>APPROVED MAKES FOR PAINT: (BERGER RANGOLI TOTAL CARE, ASIAN PAINTS APCOLITE PREMIUM EMULSION, NEROLAC PEARLS INTERIOR EMULSION, DULUX SUPER CLEAN 3 IN 1)</p>	300.00	SQM	186.000		0.00	INR Zero Only
1.33	<p>PAINTING WOOD WORK / METAL WORK: Enamel Painting of Woodwork/ Metal Work at all heights and levels including</p> <p>a) surface preparation (scrapping, sanding, cleaning) b) applying primer &amp; repair putty on the surface. c) painting 2 coats on the surface.</p> <p>All work complete as per the directions of the engineer incharge.</p> <p>APPROVED MAKES FOR PAINT: (BERGER LUXOL SATIN ENAMEL, ASIAN PAINTS APCOLITE PREMIUM SATIN ENAMEL, NEROLAC SATIN ENAMEL, DULUX SUPER SATIN)</p>	200.00	SQM	179.800		0.00	INR Zero Only
1.34	<p>REPLACING GLASS IN EXISTING WINDOWS: Providing &amp; Fixing 6mm toughened glass in existing aluminium windows including all required aluminium profile, EPDM rubber / gasket, fittings, fixtures etc. complete including removal of existing broken glass.</p>	18.00	SQM	1500.000		0.00	INR Zero Only
1.35	<p>Aluminium Handle in existing aluminium windows: Providing Fixing PEGO Single point window handle HD 10 in existing aluminium windows Including removal of old handles.</p>	5.00	Nos	500.000		0.00	INR Zero Only
1.36	<p>SS 304 Friction Stay in existing aluminium windows: Providing Fixing a pair of 400 mm stainless steel 304 GRADE friction stays of EBCO HILOAD make in existing aluminium windows Including removal of old friction stays.</p>	5.00	Nos	1000.000		0.00	INR Zero Only
1.37	<p>Providing and fixing Black Out roller blinds of Mac/ Vista/ Aerolux make.</p>	18.00	SQM	1000.000		0.00	INR Zero Only
1.38	<p>Deep Cleaning of the finished auditorium building ground and first floor, staircase, corridors, surrounding areas upto 3 meters distance and handing over the building completely clean in all respects.</p>	1.00	LUMP SUM	15000.000		0.00	INR Zero Only
2.00	<p><b>ELECTRICAL WORKS</b></p>						

2.01	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 FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	6.00	POINT	1150.000		0.00	INR Zero Only
2.02	Point wiring in PVC conduit, with modular type switch :- Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point ( without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit,and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	44.00	POINT	750.000		0.00	INR Zero Only
2.03	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	10.00	POINT	1250.000		0.00	INR Zero Only
2.04	Circuit / Sub main wiring in PVC conduit :- Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class pvc conduit as required. 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire.	500.00	Meter	175.000		0.00	INR Zero Only
2.05	Circuit / Sub main wiring in PVC conduit :- Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class pvc conduit as required. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire.	100.00	Meter	200.000		0.00	INR Zero Only
2.06	Circuit / Sub main wiring in PVC conduit :- Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class pvc conduit as required. 2 X 4 sq. mm + 1 X 4 sq. mm earth wire.	200.00	Meter	252.000		0.00	INR Zero Only
2.07	Circuit / Sub main wiring in PVC conduit :- Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class pvc conduit as required. 2 X 6 sq. mm + 1 X 6 sq. mm earth wire.	10.00	Meter	298.000		0.00	INR Zero Only
2.08	Circuit / Sub main wiring in PVC conduit :- Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class pvc conduit as required. 2 X 10 sq. mm + 1 X 6 sq. mm earth wire	10.00	Meter	393.000		0.00	INR Zero Only
2.09	Circuit / Sub main wiring in PVC conduit :- Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class pvc conduit as required. 4 x 6 sq.mm. + 2 x 6 sq.mm. Earth wire	10.00	Meter	472.000		0.00	INR Zero Only

2.10	Circuit / Sub main wiring in PVC conduit :- Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class pvc conduit as required. 4 x 10 sq.mm. + 2 x 6 sq.mm. Earth wire	50.00	Meter	651.000		0.00	INR Zero Only
2.11	Circuit / Sub main wiring in PVC conduit :- Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class pvc conduit as required. 4 x 16 sq.mm. + 2 x 6 sq.mm. Earth wire	10.00	Meter	902.000		0.00	INR Zero Only
2.12	S/F light plug point modular type accessories :- Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	10.00	EACH	390.000		0.00	INR Zero Only
2.13	S/F light plug point modular type accessories :-Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	20.00	EACH	495.000		0.00	INR Zero Only
2.14	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	10.00	Nos	78.000		0.00	INR Zero Only
2.15	Supply and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	10.00	Nos	38.000		0.00	INR Zero Only
2.16	Supplying and fixing 5 amps. to 32 amps. rating, 240 volts 'C' series, miniature circuit breaker (MCB)suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. single pole	22.00	Nos	220.000		0.00	INR Zero Only
2.17	Supplying & fixing single pole, blanking plate in the existing MCB DB complete etc. as required.	2.00	Nos	10.000		0.00	INR Zero Only
2.18	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCBO), having a sensitivity current 300 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required. 32 / 40 amps.	2.00	Nos	2514.000		0.00	INR Zero Only
2.19	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 6 way, Double door	1.00	Nos	1993.000		0.00	INR Zero Only
2.20	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 8 way, Double door	1.00	Nos	2200.000		0.00	INR Zero Only



2.21	Supplying and fixing following way, horizontal type TP&N, sheet steel MCB distribution board, 415 V on surface /recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required (But without MCB / RCCB / Isolators). 6 way (4 + 18), Double door	1.00	Nos	4431.000		0.00	INR Zero Only
2.22	Supplying and fixing following way, horizontal type TP&N, sheet steel MCB distribution board, 415 V on surface /recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required (But without MCB / RCCB / Isolators). 8 way (4 + 24), Double door.	1.00	Nos	6756.000		0.00	INR Zero Only
2.23	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 A	1.00	Nos	1400.000		0.00	INR Zero Only
2.24	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 A	1.00	Nos	1140.000		0.00	INR Zero Only
2.25	Supplying of following dimmable LED fitting on recess/surface made of metallic CRCA powder coated steel / aluminium body, minimum system efficacy 100 Lumens/watt. Electronic in buit driver, PF>0.9, suitable for 220V-240V 50Hz A.C. supply, in the existing false ceiling with S.S. chain hanging arrangements/ on surface as per site condition including making connections with 3x1.5sq.mm FRLS copper conductor cable in steel flexible pipe, testing and commissioning etc. required.  SITC of Recessed mounted 24 watt LED down lighter made up of high pressure die cast aluminium housing complete as required. (Equivalent to Lighting Technologies, Havells, Philips, Osram, Wipro )	18.00	Nos	5000.000		0.00	INR Zero Only
2.26	Supplying of following LED fitting on recess/surface made of metallic CRCA powder coated steel / aluminium body, minimum system efficacy 100 Lumens/watt. Electronic in buit driver, PF>0.9, suitable for 220V-240V 50Hz A.C. supply, in the existing false ceiling with S.S. chain hanging arrangements/ on surface as per site condition including making connections with 3x1.5sq.mm FRLS copper conductor cable in steel flexible pipe, testing and commissioning etc. required.  SITC of Step light Colour: Anthracite grey Material Aluminum Dimensions 201 x 91 x 35 Lamp Base LED Integrated Wattage 5W ( (Equivalent to Philips Model No. B07LH1FXLR)	12.00	Nos	1500.000		0.00	INR Zero Only
2.27	Supplying of following LED fitting on recess/surface made of metallic CRCA powder coated steel / aluminium body, minimum system efficacy 100 Lumens/watt. Electronic in buit driver, PF>0.9, suitable for 220V-240V 50Hz A.C. supply, in the existing false ceiling with S.S. chain hanging arrangements/ on surface as per site condition including making connections with 3x1.5sq.mm FRLS copper conductor cable in steel flexible pipe, testing and commissioning etc. required.  Supply of 1200 mm long 20 watt LED luminiare (Equivalent to Havells LUMILINEPLUSBS20WLED865SPCSS)	5.00	Nos	825.000		0.00	INR Zero Only
2.28	Installation, Testing and Commissioning of BAJAJ single LED Signage BESL 03 LED SSD WBB GREEN above the exit doors of the auditorium including providing fixing neccassry base plate , point wiring, fitting fixture etc. complete.	4.00	Nos	600.000		0.00	INR Zero Only

2.29	Supply installation testing of LEGRAND 8 WAY Conference Table POP UP BOX, with power , Lan , HDMI, Audio ,CGA & USB including all necessary associated hardware .	1.00	Nos	6000.000		0.00	INR Zero Only
3.00	<b>FURNITURE WORKS</b>						
3.01	Providing fixing Tip-up auditorium Chair (Godrej Glamour NXT or approved equivalent from Geeken, Featherlite, Durian, TSI, Polo). The design and color of the chair will be as approved by the college authorities. (CONTRACTOR WILL SUBMIT FULL SIZE SAMPLE OF THE CHAIR FOR APPROVAL FROM THE COLLEGE AUTHORITIES BEFOREHAND).	100.00	Nos	5000.000		0.00	INR Zero Only
3.02	Providing and Supplying factory made Podium table 8ft long x 2ft deep x 2.5ft high made with 25mm thick prelaminated HDF Board (all full round edges) with full Vanity panel on three sides and 3 internal vertical division panels of 1ft x 2.5ft for seating 3 persons on the TABLE. The design and color of the table will be as approved by the college authorities. The table will have provision for fixing electrical points. The table will have provision for 8 Way LEGRAND POP-UP Box for DATA/HDMI/ELEC. points.	2.00	Nos	20000.000		0.00	INR Zero Only
3.03	Providing and Supplying Podium Chairs ( Mid Back without wheels) of design and color approved by college authorities (Godrej/ Featherlite/ Geeken/ Durian Make)	8.00	Nos	6500.000		0.00	INR Zero Only
4.00	<b>FIRE FIGHTING WORKS</b>						
4.01	Supplying, installation, testing and commissioning of electric driven terrace pump 450 lpm at 35 m Head suitable for automatic operation and consisting of following, complete in all respects, as required: (Terrace Pump) (a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical confirming to IS : 1520 (b) Suitable HP squirrel cage induction motor TEFC type suitable for operation on 415 volts, 3 phase, 50 Hz, AC supply with IP55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S.fabricated common base plate, coupling, coupling guard, foundation bolts etc.as required. (d) Suitable cement concrete foundation duly plastered and with anti vibration pads.	1.00	Nos	85291.000		0.00	INR Zero Only
4.02	Supplying, installation, testing and commissioning of Starter Panel for n Nos. electric driven terrace pump suitable for automatic operation complete in all respects, as required: (Terrace Pump)	1.00	SET	20000.000		0.00	INR Zero Only
4.03	Providing and fixing in position the industrial type pressure gauges with gun metal / brass valves complete as required	2.00	Nos	1250.000		0.00	INR Zero Only

4.04	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required : 25MM DIA	6.00	METER	624.000		0.00	INR Zero Only
4.05	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required : 80MM DIA	6.00	Meter	1677.000		0.00	INR Zero Only
4.06	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required : 100 MM DIA	30.00	Meter	2310.000		0.00	INR Zero Only
4.07	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required : 150MM DIA	6.00	Meter	3152.000		0.00	INR Zero Only
4.08	Supplying and fixing single headed Stainless Steel internal hydrant valve with instantaneous Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Stainless Steel cap and chain as required :	1.00	SET	5950.000		0.00	INR Zero Only
4.09	Supplying and fixing Single headed Stainless Steel external yard hydrant valve with 1 No. 63 mm dia instantaneous FM Stainless Steel coupling and cast iron wheel, ISI marked, conforming to IS 5290 (type A) with blank Stainless Steel cap and chain as required :	1.00	SET	5950.000		0.00	INR Zero Only
4.10	Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required : 80MM DIA	1.00	SET	4500.000		0.00	INR Zero Only
4.11	Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required : 100 MM DIA	1.00	SET	4800.000		0.00	INR Zero Only
4.12	Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required : 150MM DIA	1.00	SET	5500.000		0.00	INR Zero Only
4.13	Providing, installation, testing and commissioning of non-return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required : 80MM DIA	1.00	SET	4500.000		0.00	INR Zero Only
4.14	Providing, installation, testing and commissioning of non-return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required : 100MM DIA	1.00	SET	5500.000		0.00	INR Zero Only

4.15	Providing, installation, testing and commissioning of non-return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required : 150MM DIA	1.00	SET	6500.000		0.00	INR Zero Only
4.16	Supplying, Fixing, Testing & Commissioning of Rubber Bellow of PN 1.6 rating complete to the entire satisfaction and direction of Fire Officer/Engr-in-Charge. 80MM DIA	1.00	EACH	6800.000		0.00	INR Zero Only
4.17	Supplying, Fixing, Testing & Commissioning of Rubber Bellow of PN 1.6 rating complete to the entire satisfaction and direction of Fire Officer/Engr-in-Charge. 100MM DIA	1.00	EACH	8900.000		0.00	INR Zero Only
4.18	Supplying, Fixing, Testing & Commissioning of Rubber Bellow of PN 1.6 rating complete to the entire satisfaction and direction of Fire Officer/Engr-in-Charge. 150MM DIA	1.00	EACH	9800.000		0.00	INR Zero Only
4.19	Providing, installation, testing and commissioning of stainless steel Y-strainer fabricated out of 1.6 mm thick stainless steel, Grade 304, sheet with 3 mm dia holes with stainless steel flange. 150MM DIA	1.00	SET	12790.000		0.00	INR Zero Only
4.20	Providing, installation, testing and commissioning of stainless steel Y-strainer fabricated out of 1.6 mm thick stainless steel, Grade 304, sheet with 3 mm dia holes with stainless steel flange. 80MM DIA	1.00	SET	9000.000		0.00	INR Zero Only
4.21	Supplying and fixing STAINLESS STEEL 63 mm dia, 15 m long RRL hose pipe with 63 mm dia male and female couplings duly bound with GI wire, rivets etc. conforming to IS 636 (type-A) as required :	4.00	SET	4800.000		0.00	INR Zero Only
4.22	Supplying and fixing 30 meter long first-aid Hose Reel with MS construction spray painted in post office reqd, conforming to IS 884 complete with the following as required. 20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type -2 as per IS: 12585 20 mm nominal internal dia gun metal globe valve & nozzle. Drum and brackets for fixing the equipments on wall. Connections from riser with 25 mm dia stop gun metal valve & M.S. Pipe and socket.	1.00	SET	8200.000		0.00	INR Zero Only
4.23	Supplying & fixing STAINLESS STEEL 63 mm dia short branch pipe with 20 mm nominal internal diameter size nozzle conforming to IS 903 suitable for instantaneous connection to interconnect hose pipe coupling as required :	2.00	EACH	2280.000		0.00	INR Zero Only
4.24	Supplying and fixing air vessel made of 250 mm dia, 8 mm thick MS sheet, 1200 mm in height with air release valve on top and flanged connection to riser, drain arrangement with 25 mm dia gun metal wheel valve with required accessories, pressure gauge and painting with synthetic enamel paint of approved shade as required.	1.00	SET	19500.000		0.00	INR Zero Only
4.25	Providing and fixing dual type pressure switch suitable for 1-20 Kg/cm2 including electrical connections setting of Cut-In and cut-Off pressure complete in all respects.	2.00	EACH	1890.000		0.00	INR Zero Only
4.26	Supplying and fixing of Drain test assembly as reqd. for suitable dia MS pipe connection conforming to IS code as required :	1.00	SET	4800.000		0.00	INR Zero Only

4.27	Supplying and fixing of Fire Man's Axe with heavy insulated rubber tested upto 20 KV and confirming to IS :926.	2.00	SET	480.000		0.00	INR Zero Only
4.28	Providing and fixing 25 mm nominal bore metal ball Valve with rotatory handel of approved quality.	2.00	EACH	1050.000		0.00	INR Zero Only
4.29	Providing and fixing 25 mm Air Release Valve with of approved quality.	1.00	EACH	1850.000		0.00	INR Zero Only
4.30	Providing and fixing M.S. structural work fabricated from standard sections, (MS rounds, angles, channels, slotted angle, nuts, bolt, flanges etc.) including cutting to size, drilling ,welding or insert plates including cost of (Hilti) fasteners, clamp in RCC structural members as directed, including two or more coats of synthetic enamel paint over one coat of primer after surface preparation including cutting and making good walls.	100.00	KG	140.000		0.00	INR Zero Only
4.31	Providing and fixing Fire Hose Cabinet door including door frame (Internal) fabricated from 16 gauge Alluminium Sheet powder coated with glazing above and below lock rail in front door with key and lock arrangement, painted "Fire Red" with powder coated paint "Fire Hose" written on front including suitable supports to place, approximately size (minimum) 1200x2100 mm or as per site suitable to house following: (i) Single Headed Outlet - 1Nos. (ii) First Aid Hose Reel - 1 No. (iii) Hose pipe 63 mm dia 15m long with male and female coupling at both ends. - 2 Nos. (iv) Branch pipe 63 mm dia - 1 No	1.00	Nos	9500.000		0.00	INR Zero Only
4.32	Supplying and fixing of Fire Hose Cabinet (External) 900mm x 600 mm x 500 mm made of 2mm thick MS sheet with 6 mm thick glazed glass doors i/c necessary locking arrangements suitable to accommodate external yard hydrant with butterfly valve, 2Nos. 15mtr.long Hose pipe, 1No. branch pipe, mounted on wall OR raised brick platform & duly painted with post office red externally and white internally with synthetic enamel paint complete in all respect, for external hydrant, as required.	1.00	Nos	6500.000		0.00	INR Zero Only
4.33	Supplying and fixing of ISI marked 6 KG ABC type fire extinguishers of following capacity ISI marked (IS: 15683) filled with MAP 90% stored pressure type ABC powder with jet pipe of standerd length comprising of easy snap safety seal, State of the art pressure gauge, Controllable discharge mechanism , Instalert, EPDM rubber hosepipe , squeeze grip valve, painting, clamp and dash fastners complete in all respect as required. 6 KG. (Make:- Guards, Kanex, Ceasefire)	2.00	Nos	4860.000		0.00	INR Zero Only
4.34	Supplying and fixing of 4.5 KG CO2 type fire extinguisher of following capacity ISI marked as per IS 15683,CO2 cylinder as per IS 7285 CCE approved, valve as per IS 3224,CO2 gas as per IS 307,Internal discharge tube as per IS 738 complete with wheel discharge valve, hose and horn duly charged with CO2 gas i/c fixing with bracket on existing wall complete as reqd. 4.5 Kg (Make:- Guards, Kanex, Ceasefire)	2.00	Nos	6700.000		0.00	INR Zero Only
4.35	Supply, Installation and programming of Microprocessor based conventional Fire Alarm Panel , 4 ZONE. Make: System Sensor/AGNI/Ravel/Apollo	1.00	Nos	15000.000		0.00	INR Zero Only

4.36	Installation of MCP (Manual Call Point ). Make :system sensor/ AGNI/ Palex / Apollo	2.00	Nos	1500.000		0.00	INR Zero Only
4.37	Installation of Hooter (Make: system sensor / AGNI / Palex)	2.00	Nos	1500.000		0.00	INR Zero Only
4.38	Supply & Installation of optical Smoke Detector/Heat Detector/Multicriteria Detector. Make: System Sensor/Apollo/AGNI	2.00	Nos	1450.000		0.00	INR Zero Only
4.39	Supply and laying of 1.5mm 2core Red Coloured Fire Alarm Cable on surface for detection system with all required accessories. (Make: Polycab / Havells/ Finolex )	80.00	METER	110.000		0.00	INR Zero Only
5.00	<b>VRV HVAC :</b> <b>AIR COOLED VARIABLE REFRIGERANT VOLUME/FLOW AIR CONDITIONING SYSTEM</b> <b>( DAIKIN / MITSUBISHI / TOSHIBA/ FUJITSU MAKE ONLY )</b> <b>The vendor may offer the outdoor units as per availability from the manufacturer, however keeping the tonnage same as per BOQ subject to approval by Consultant/Client.</b>						
5.01	<b>24 HP Outdoor Unit :</b> Supply, Installation, testing & commissioning of Variable refrigerant volume/flow modular type air-conditioning system suitable to operate from 410+10% volt, 50 Hz,3 phase AC power supply for cooling & heating by using inverter driven capacity control compressors (Twin Rotary / Hermetically sealed scroll type) complete with individual controller and fittings with necessary wiring, connection & termination, painted MS frame for outdoor unit etc. as per quantity given below including full charging of R-410A refrigerant gas complete as per specifications. Suitable TPN isolator within MS enclosure should be Provided. Outdoors units of the VRV system shall be compact air cooled type. The outdoor units must be suitable for up to 225m refrigerant piping between outdoor unit & the farthest indoor units. Allowable level difference between outdoor unit & indoor units shall be 90 m in case of outdoor unit on top & 50 m in case of outdoor unit at bottom. Allowable level difference between various indoor units connected to one out door unit shall be up to 30 m. The outdoor units shall be suitable to operate within an ambient temperature range of "5 Deg C to 43 Deg C" in cooling mode; & "-20 Deg C to 15 Deg C" in heating mode.	1.00	Nos	816560.000		0.00	INR Zero Only
5.02	The entire operation of outdoor units shall be through independent remotes of indoor units. No separate Start/ Stop function shall be Required. Complete refrigerant circuit, oil balancing/ equalizing circuit shall be factory assembled & tested. Outdoor unit shall have function of automatic refrigerant amount check periodically to confirm leakages. Outdoor unit shall have function of controlling evaporative refrigerant temperature to avoid cold draft, excessive cooling & for better energy efficiency. The ODU must deliver COP of minimum 4.70 at 50 % load.						

5.03	<p>4 TR Indoor VRF Units (Nominal Capacity) - Ceiling Mounted Round/4way flow cassette type Unit:</p> <p>(The indoor units capacity can be also as per availability from the manufacturer but keeping the minimum capacity as required in BOQ subject to approval by Consultant/Client.)</p> <p>Supply, Installation, testing &amp; commissioning of Ceiling Mounted Round/4way flow cassette type Unit of suitable capacity suitable to operate from 230+10% volt, 50 HZ, 1 phase power supply with cordless remote control, fittings &amp; required cable to connect indoor unit to socket.Refrigerant Pipe size and gas quantity should suit to the copper pipe length at actual.The capacity guarantee should be ensured by the contractor/manufacturer. Each unit shall have high lift drain pump, and Low gas detection system.</p>	6.00	Nos	45312.000		0.00	INR Zero Only
5.04	<p>Refrigerant Piping for VRF system:</p> <p>Supply &amp; Installation of interconnecting suitable sizes of one end expanded refrigerant copper pipe work, insulated with 13mm thick ( pipe size upto 19.1mm dia) &amp; 19mm thick (pipe size above 19.1mm dia) closed cell electrometric nitrile rubber tubular insulation between each set of indoor &amp; outdoor units with outer mechanical protection of aluminum cladding for all exposed pipes as per specification. All piping inside the room shall be properly fixed/supported with suitable size of clamp/ M.S. hanger and all external piping shall run in M.S. painted cable tray etc. as reqd. <u>34.9 mm dia with 19mm thick nitrile rubber insulation</u></p>	18.00	METER	1805.000		0.00	INR Zero Only
5.05	<p>Refrigerant Piping for VRF system:</p> <p>Supply &amp; Installation of interconnecting suitable sizes of one end expanded refrigerant copper pipe work, insulated with 13mm thick ( pipe size upto 19.1mm dia) &amp; 19mm thick (pipe size above 19.1mm dia) closed cell electrometric nitrile rubber tubular insulation between each set of indoor &amp; outdoor units with outer mechanical protection of aluminum cladding for all exposed pipes as per specification. All piping inside the room shall be properly fixed/supported with suitable size of clamp/ M.S. hanger and all external piping shall run in M.S. painted cable tray etc. as reqd. <u>28.6 mm dia with 19mm thick nitrile rubber insulation</u></p>	5.00	METER	1665.000		0.00	INR Zero Only
5.06	<p>Refrigerant Piping for VRF system:</p> <p>Supply &amp; Installation of interconnecting suitable sizes of one end expanded refrigerant copper pipe work, insulated with 13mm thick ( pipe size upto 19.1mm dia) &amp; 19mm thick (pipe size above 19.1mm dia) closed cell electrometric nitrile rubber tubular insulation between each set of indoor &amp; outdoor units with outer mechanical protection of aluminum cladding for all exposed pipes as per specification. All piping inside the room shall be properly fixed/supported with suitable size of clamp/ M.S. hanger and all external piping shall run in M.S. painted cable tray etc. as reqd. <u>19.1 mm dia with 13mm thick nitrile rubber insulation</u></p>	5.00	METER	1094.000		0.00	INR Zero Only
5.07	<p>Refrigerant Piping for VRF system:</p> <p>Supply &amp; Installation of interconnecting suitable sizes of one end expanded refrigerant copper pipe work, insulated with 13mm thick ( pipe size upto 19.1mm dia) &amp; 19mm thick (pipe size above 19.1mm dia) closed cell electrometric nitrile rubber tubular insulation between each set of indoor &amp; outdoor units with outer mechanical protection of aluminum cladding for all exposed pipes as per specification. All piping inside the room shall be properly fixed/supported with suitable size of clamp/ M.S. hanger and all external piping shall run in M.S. painted cable tray etc. as reqd. <u>15.9 mm dia with 13mm thick nitrile rubber insulation</u></p>	25.00	METER	924.000		0.00	INR Zero Only
5.08	<p>Refrigerant Piping for VRF system:</p> <p>Supply &amp; Installation of interconnecting suitable sizes of one end expanded refrigerant copper pipe work, insulated with 13mm thick ( pipe size upto 19.1mm dia) &amp; 19mm thick (pipe size above 19.1mm dia) closed cell electrometric nitrile rubber tubular insulation between each set of indoor &amp; outdoor units with outer mechanical protection of aluminum cladding for all exposed pipes as per specification. All piping inside the room shall be properly fixed/supported with suitable size of clamp/ M.S. hanger and all external piping shall run in M.S. painted cable tray etc. as reqd. <u>12.7 mm dia with 13mm thick nitrile rubber insulation</u></p>	5.00	METER	681.000		0.00	INR Zero Only

5.09	Refrigerant Piping for VRF system: Supply & Installation of interconnecting suitable sizes of one end expanded refrigerant copper pipe work, insulated with 13mm thick ( pipe size upto 19.1mm dia) & 19mm thick (pipe size above 19.1mm dia) closed cell electrometric nitrile rubber tubular insulation between each set of indoor & outdoor units with outer mechanical protection of aluminum cladding for all exposed pipes as per specification. All piping inside the room shall be properly fixed/supported with suitable size of clamp/ M.S. hanger and all external piping shall run in M.S. painted cable tray etc. as reqd. 9.5 mm dia with 13mm thick nitrile rubber insulation	14.00	METER	543.000		0.00	INR Zero Only
5.10	Refrigerant Piping for VRF system: Supply & Installation of interconnecting suitable sizes of one end expanded refrigerant copper pipe work, insulated with 13mm thick ( pipe size upto 19.1mm dia) & 19mm thick (pipe size above 19.1mm dia) closed cell electrometric nitrile rubber tubular insulation between each set of indoor & outdoor units with outer mechanical protection of aluminum cladding for all exposed pipes as per specification. All piping inside the room shall be properly fixed/supported with suitable size of clamp/ M.S. hanger and all external piping shall run in M.S. painted cable tray etc. as reqd. 6.4 mm dia with 13mm thick nitrile rubber insulation	5.00	METER	505.000		0.00	INR Zero Only
5.11	Drain Piping for VRF system Providing & fixing of heavy duty PVC Pipe complete with fittings, supports as per specifications and duly insulated with 6 mm thickness of closed cell tubular nitrile rubber as required & as per specifications. 32 mm dia with 9 mm thick insulation	3.00	METER	254.000		0.00	INR Zero Only
5.12	Drain Piping for VRF system Providing & fixing of heavy duty PVC Pipe complete with fittings, supports as per specifications and duly insulated with 6 mm thickness of closed cell tubular nitrile rubber as required & as per specifications. 25 mm dia with 9 mm thick insulation	40.00	METER	222.000		0.00	INR Zero Only
5.13	Drain Piping for VRF system Providing & fixing of heavy duty PVC Pipe complete with fittings, supports as per specifications and duly insulated with 6 mm thickness of closed cell tubular nitrile rubber as required & as per specifications. 20 mm dia with 9 mm thick insulation	3.00	METER	189.000		0.00	INR Zero Only
5.14	Providing and fixing of control cable of 2 Core x 1.5 sqmm. shielded cable in Heavy duty PVC conduit (20mm dia.) complete in all respect & as required.	40.00	METER	212.000		0.00	INR Zero Only
5.15	Providing and fixing of control cable of 3 Core x 1.5 sqmm. shielded cable in Heavy duty PVC conduit (20mm dia.) complete in all respect & as required.	20.00	Meter	231.000		0.00	INR Zero Only
5.16	Providing and fixing of control cable of 8 Core x 0.75 sqmm. shielded cable in Heavy duty PVC conduit (20mm dia.) complete in all respect & as required.	20.00	Meter	195.000		0.00	INR Zero Only
5.17	Supply, Installation, testing and commissioning of necessary fittings, Y-joints and headers etc.	5.00	Nos	4248.000		0.00	INR Zero Only
5.18	Supplying, fixing, testing and commissioning of Main centralized controller intelligent touch manager (Push Button Type) suitable for groups of indoor units to be installed for control (BMS Compatible).All required accessories (hardware and software) to be provided for BMS connection.	1.00	Nos	88500.000		0.00	INR Zero Only



5.19	Gas Charging of complete VRF System comprising Outdoor unit of indoor unit including pressure testing.	10.00	KG	1239.000		0.00	INR Zero Only
5.20	Suitable MS powder coated stands for HVAC Out Door Unit ( Chowki ) .	2.00	Nos	2360.000		0.00	INR Zero Only
5.21	INLINE FAN: Supply, installation,testing and commissioning of Inline fan suitable for following capacities complete with sheet metal casing, electric motor and centrifugal fan suitable for operation on 220 V ± 10%,50 Hz, 1 phase AC supply fitted with speed regulator, 15 Amp plug and wiring between the fan and the socket and accessories like gravity louvers , wire guard, bird screen & canvas connection etc. 600 CFM, 15mmwg static	1.00	Nos	12390.000		0.00	INR Zero Only
5.22	VRF ODU ELECTRICAL PANEL Supplying, assembling, erecting, connecting, testing and commissioning of dust, damp and vermin proof free floor standing factory built sheet steel enclosed non-draw out modular type entilation Panel outdoor type (IP-54 Protection) fabricated out of 2.0 mm thick CRCA sheet hinged doors of 1.6mm thick CRCA sheet, duly painted complete with earth bus, aluminium bus bar, numbering & sign writing, interconnection & including the cost of connection through bus bar / copper conductor flexible connection with necessary interlocking with existing panel as shown in drawing as per specification and mounted with the following : including control wiring with 1.5sqmm. & 2.5sqmm. PVC insulated FRLS copper conductor S/C cable for voltage & current respectively, cable alleys, cable gland plates in two half, etc. necessary metering protections & indications etc. complete as required. ( Each starter should have remote control and interlocking facilities including auto manual switch, NO/NC contacts for automatic operation of fan in case of fire). NOTE: The following provisions shall be required to be made in the switchboard detailed below:	1.00	Nos	59000.000		0.00	INR Zero Only
5.23	The Switchboard shall have provision for entry of all PVC cables / bus duct from the top / bottom as required. All live accessible parts shall be shrouded and all equipment shall be ginger touch proof. The busbar insulation shall be with heat shrinkable sleeves SMC / DMC shrouds and busbar supports shall be used. Suitable tinned copper extension links for incoming / outgoing cables shall be provided wherever required. Control circuits includes breader control switch, outo manual selector switch, anti pumping relay, spring charging trip indication, TIMER, Control wiring, Auxiliary contactors MCB's as required at site. All fault level breaking capacity indicates shall be I.C.S. value at 415 volts. (ICS=ICU=ICW=100%) for 1 sec. All MCCB above 100 Amp shall have variable overload setting. All MCCB shall have with Rotary Handles. Space heater / light / air filter shall be provided for each vertical compartment. Padlocking facility shall be provided on all outgoing feeders.						

5.24	<p>All meters shall be digital of size 96 mm x 96 mm.  All indicating light shall be LED type.  Interlocking wiring facility with fire alarm for starting the fan in case of fire (For smoke fan only).  Wiring for micro switch for stopping the fan when fire damper closes (in case of Fan only)  All starters shall be provided with suitable potential free contact for connections to the Building Automation System.  Incoming:  80 Amp FP, 16 kA MCCB - 1 No.  3 Nos. Phase indication LED lamps with 2 Amps back up MCB, breaker 'ON/OFF' indicating light with 2A MCB.  1 No. Intelligent multi-function digital panel meters of class 0.5 accuracy, A (In each phase and neutral), kWhr with suitable rating CTs, CT shorting links, R,Y, B LED indicating lamp and 2 A control SP MCB's.  Bus Bars:  Electrolytic high conductivity aluminium three phase and neutral (full rated) busbars rated at 433V,50 Hz., 200 amps, 16kA, insulated with heat shrinkable coloured PVC sleeves &amp; clip on shrouds for joints.  Outgoing:  All outgoing MCB/MCCB shall be provided with ON indication lamp with 2A SP MCB for back up.  3 Nos. 32Amp FP, 300mA ELCB</p>						
6.00	<b>AUDIO , VIDEO &amp; LIGHTING WORKS</b>						
6.01	<p>SITC of Main FOH speaker having 12 inch woofer or better, min. 1.5-inch Compression driver ; Frequency Response : 82Hz-18kHz or better; Nominal Dispersion : 90° H x 60° V or better ; Power handling capacity : 250W or better; Nominal Impedance : 8Ω; Max SPL: 125 dB or better; Polypropylene enclosure, powder-coated finish; complete with all standard accessories as required.  (EV, Bose, D&amp; B, Audiotechnik)</p>	2.00	Nos	35000.000		0.00	INR Zero Only
6.02	<p>SITC of Mounting/ Hanging arrangement of speaker complete with all standard accessories as required. Heavy duty Powder coated MS frame /Bracket fixed with SS Dash Fasteners of HILTI / FISHER Make</p>	2.00	EACH	7500.000		0.00	INR Zero Only
6.03	<p>SITC of Active Subwoofer having 18" single driver; Frequency Response : 47Hz-105Hz or better; Max SPL (Peak) : 132dB or better; Power handling capacity : 1200W or better; complete with all standard accessories as required  (EV, Bose, D&amp; B, Audiotechnik)</p>	2.00	EACH	80000.000		0.00	INR Zero Only
6.04	<p>SITC of Active Stage Monitor Speaker System having 12" single driver; Frequency Response : 65Hz - 18kHz or better; Max SPL (Peak) : 126dB or better; Power handling capacity : 1000W or better; complete with all standard accessories as required.  (EV, Bose, D&amp; B, Audiotechnik)</p>	2.00	EACH	48000.000		0.00	INR Zero Only
6.05	<p>SITC of Dual-channel professional amplifier with 2 input channel, should have power output of 2x 350W @8Ω and 2 x 660W @4Ω or better; Should have power output Bridged mode 2000W @4Ω Should have Frequency response: 10Hz- 21kHz or better; Total harmonic distortion (THD): ≤0.05% or better; Channels separation (Crosstalk): ≤ -80 dB or better, S/N ratio &gt;104dB or better, Built-in DSP feature complete with all standard accessories as required.  (Dynacord/Bose/Powersoft)</p>	1.00	EACH	90000.000		0.00	INR Zero Only

6.06	SITC of Loudspeaker Management System 2 x 6 loudspeaker management system having 2x line inputs, 6x balanced outputs, input impedance > 50k $\Omega$ or better, CMRR: >45dB or better, Max. output level +22dBu or better, A/D performance Dynamic range >112dB Aweighted and D/A performance- Dynamic range 110dB Un-weighted or better complete with standard accessories as required. (Behringer/ dbx)	1.00	EACH	30000.000		0.00	INR Zero Only
6.07	SITC of 16 channel analog mixer with 8 mic/line input or better & 2 stereo output or better; 2 or better group buses; 3 or better AUX / FX send, Frequency response : 20Hz- 20kHz or better; Phantom power : 48V or better; THD : 0.03% or better; complete with all standard accessories. (Yamaha/Behringer /Allen & Heath)	1.00	Nos	45000.000		0.00	INR Zero Only
6.08	SITC of Wireless Handheld microphone with Frequency response : 60Hz - 14kHz or better; Bandwidth: 24MHz; Total harmonic distortion (THD) : < 0.9%; Signal to noise ratio : > 103 dB; Pattern : Cardioid; Microphone type: dynamic; RF Power : 10mW or better; Operating time : 8 hours or better complete with all standard accessories. (Shure /Sennheiser/ Clock Audio / ElectroVoice)	2.00	Nos	24000.000		0.00	INR Zero Only
6.09	SITC of Wireless Lavalier microphone with Frequency response : 60Hz - 14kHz or better; Bandwidth: 24MHz; Total harmonic distortion (THD) : < 0.9%; Signal to noise ratio : > 103 dB; Pattern : Omnidirectional; Microphone type: Condenser; RF Power : 10mW or better; Operating time : 8 hours or better complete with all standard accessories. (Shure /Sennheiser/ Clock Audio / ElectroVoice)	1.00	Nos	28000.000		0.00	INR Zero Only
6.10	SITC of Wired handheld microphone with Frequency response : 50Hz - 16kHz or better; Pattern : Cardioid; Microphone type: Dynamic; Rugged metal housing; Sensitivity : 2.7mV/Pa or better, complete with all standard accessories. (Shure /Sennheiser/ Clock Audio / ElectroVoice)	2.00	Nos	5000.000		0.00	INR Zero Only
6.11	SITC of CD player complete with all standard accessories (Gemini/LG/Panasonic/Sony)	1.00	Nos	11000.000		0.00	INR Zero Only
6.12	SITC of 4 Point XLR Junction Box complete with all standard accessories	2.00	Nos	4000.000		0.00	INR Zero Only
6.13	SITC of 2 core 2.5 sqmm Speaker Cable complete with all standard accessories	100.00	meter	100.000		0.00	INR Zero Only
6.14	SITC of 2 core PVC insulated Microphone Cable complete with all standard accessories	300.00	METER	87.000		0.00	INR Zero Only
6.15	SITC of Connector & Patch Cords complete with all standard accessories	1.00	SET	8000.000		0.00	INR Zero Only
6.16	SITC of 9U Equipment Rack for housing all rack mountable equipments with internal wiring, front glass door; heat dessipation fans; movement wheels, power distribution units etc. complete with all standard accessories	1.00	EACH	12000.000		0.00	INR Zero Only

6.17	SITC of 6000 lumens laser Projector with 0.67" DMD technology or better; Contrast ratio (Native): 2,000:1 or better; Resolution : WUXGA or better; Inputs : 2 x HDMI or better, 1 x VGA or better, 1 x HDBaseT or better, 2x Audio in, 1x Mic in, 1x Audio out(3.5mm jack). Should have Horizontal & Vertical Keystone correction $\pm 30^\circ$ ; should have 10-bit color display; Control : RS232 etc. complete. (Digital Projection/Barco / Christie / Panasonic)	1.00	Nos	300000.000		0.00	INR Zero Only
6.18	SITC of Mounting/hanging arrangement of Projector complete with all standard accessories.	1.00	Nos	10000.000		0.00	INR Zero Only
6.19	SITC of 150" motorized projection screen with 16:10 aspect ratio complete with all standard accessories (Somfy motor)	1.00	Nos	35000.000		0.00	INR Zero Only
6.20	SITC of Wall Plate type transmitter & Receiver extender with 1 x HDMI or better, 1 x VGA with audio input (Tx) or better, 1 x Twisted Pair output (Tx) or better; 1 x Twisted Pair Input (Rx) or better, 1x HDMI output(Rx) or better; transmission range : 70 meter or better; Auto-switching between inputs; Supports computer and video resolutions up to 4K or better; Max Data rate : 10.2 Gbps or better; HDCP 1.4 or better compliant; complete with all standard accessories. (Extron/Crestron/Lightware / Liberty AV)	1.00	Nos	50000.000		0.00	INR Zero Only
6.21	SITC of 1.8 meter HDMI-HDMI Cable complete with all standard accessories. (Belden/ Kramer / Liberty AV)	2.00	Nos	4500.000		0.00	INR Zero Only
6.22	SITC of 1.8 meter VGA-VGA with audio Cable complete with all standard accessories. (Belden/ Kramer / Liberty AV)	1.00	Nos	4000.000		0.00	INR Zero Only
6.23	SITC of Twisted Pair Cable complete with all standard accessories	100.00	Nos	45.000		0.00	INR Zero Only
6.24	SITC of 100W High Quality LED Parcan Light complete with, Lamp source 3200K CCT Colour temperature CRI & TLCI Values above 95 COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) DmX 512 dimming with 3 channel control Beam Angle of 9° / 25° / 45° Total Power Consumption of 165W High quality output replacing 1000W Halogen Par Flicker Free 100% for Tv & Film Cameras 11.7KHz Refresh Rate, Linear Dimming 0 ~ 100% Fuse and Internal safety protections Strobe option Adjustable 1~25 times/Sec Variable Fixture provided with Yoke of Manual Adjustment 5 Pin XLR for DmX , Black powder coated body. RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 LM79 Certificates from NABL Accredited laboratory. Brand embossed impact on the light body for genuine product. (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara)	2.00	Nos	30114.000		0.00	INR Zero Only

6.25	<p>SITC of 200W LED Profile Spot 19 Degree Light complete with, 3200K CCT Colour Temperature COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) CRI &amp; TLCI above 95, Strobe option Adjustable 1 ~ 25 times/ Sec 4 Kinds of dimming curves, Black finish housing, Manual Focus with 4 Beam shaping cutters Efficient and well-designed Lamp reflector</p> <p>Efficient Copper tube based Heat Sink for Heat Dissipation Sleek and Unique Designed Light weight body Fixture provided with Yoke of Manual Adjustment DmX 512 dimming with 1 or 3 Channel modes</p> <p>IP20 protection having Lux @ 3 Mtrs above 12040 suitable to illuminate the key presenter or talent on stage.</p> <p>RDM Control options with latest technology (RDM ID to be specified)</p> <p>Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 . CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014</p> <p>LM79 Certificates from NABL Accrediated laboratory.</p> <p>Brand embossed impact on the light body for genuine product (leksa Lighting / Kenson Solace / Aultra Lighting / Canara)</p>	1.00	Nos	45024.000		0.00	INR Zero Only
6.26	<p>SITC of 54 x 3W LED Par Light RGBW, Beam Angle 25° complete with LED source from Lumiled / Seoul / Nichia or reputed make (LM80 to be provided) (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara)</p> <p>RGBW 3W Lamp source x 54 Pcs</p> <p>DmX 512 dimming with 8 Channel High Bright Red, Green, Blue, White LED's Source Unlimited Color Mixing through DmX 0 ~ 100% Linear dimming , In built presets for different colors Strobe Mode 20 times/Sec Data DmX through 3 / 5 Pin XLR's</p> <p>65dB ~ 130dB Sound sensing capacity</p> <p>Power In and Out Connections</p> <p>High precision colors, IP20 protection</p> <p>Powder coated Black finish housing</p> <p>Having Sound Control &amp; Master Slave Auto Run Mode</p> <p>Illuminate the Indoor stage with unlimited colour effects</p> <p>Rigidly built pressure die-casted Aluminium body.</p> <p>RDM Control options with latest technology (RDM ID to be specified)</p> <p>Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 LM79 Certificates from NABL Accrediated laboratory.</p> <p>Brand embossed impact on the light body for genuine product.</p>	2.00	Nos	10821.000		0.00	INR Zero Only
6.27	<p>SITC of Light fixture mouting clamp Customized for suspending on fixed bars on stage Made up of Aluminium Die casted MS threaded T bolt with yellow passivation finish Complete with black powder coating matt black finish. Safeworking load 150 KG Suitable to Batten of size 30 OD to 60 OD (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara)</p>	5.00	Nos	1352.000		0.00	INR Zero Only
6.28	<p>SITC of Light Fixture dual safety Chain made up of GI wire rope Bundled and twisted together Having load bearing capacity above 200 Kgs Sleve on the rope. Carabiner Clip (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara )</p>	5.00	Nos	570.000		0.00	INR Zero Only
6.29	<p>SITC of Fixed on stage Lighting bar/winch of 6 Mtr length constructed with an single contruction light bar Made out of 48mm Outer Dai, 40 Nominal Bore, Mild Steel Pip It shall be hanged from the roof to accommodate various type of stage light fittings. It should hang from the roof with MS angle which is suspended from the fish plate of 5mm thickness which is fixed on the rcc roof with 4 anchor fastners of 10mm. Each fastnerMade out of 48mm Outer Dai, 40 Nominal Bore Material for the light bar shall be of Mild Steel Pipe</p> <p>Dual Barrel Arrangement and an additional End Caps on the Pipe end Powder coated with Matt black</p> <p>Texture Fixing Through Suspenders as per site conditions.</p> <p>Suspender prices are included (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara )</p>	1.00	Nos	15546.000		0.00	INR Zero Only

6.30	SITC of Power Distribution Electrical panel having a Individual MCB control for 6 outgoing circuits Made up of MS Sheet metal fabricated housing Black powder coated lvery connectors for the internal terminations and external outgoing connecting points, Fibre / brass glands of suitable size fitted MCB control for outgoing circuits. Custom built as per specification and project requirement. (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara )	1.00	Nos	33558.000		0.00	INR Zero Only
6.31	SITC of High quality power junction box 4 way made up of MS Sheet metal fabricated housing. Snap fit fixing /15 (1.5mm ) Total Max Rating 10A, 250V A.C 20°C to +70°C Operating Temp Moldings: Nylon, Flammability Rating UL94V-0 Black powder coated, fibre glands of suitable size fitted with Powercon or IEC connector Box 10A. Clamp arrangement for fixing or Raul plug arrangement for wall / floor fixing. (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara )	5.00	Nos	1176.000		0.00	INR Zero Only
6.32	SITC of High quality power junction box 2 way made up of MS Sheet metal fabricated housing. Snap fit fixing /15 (1.5mm ), Total Max Rating 10A, 250V A.C 20°C to +70°C Operating Temp Moldings: Nylon, Flammability Rating UL94V-0 Black powder coated, fibre glands of suitable size fitted with Powercon or IEC connector Box 10A. Clamp arrangement for fixing or Raul plug arrangement for wall/floor fixing. (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara )	1.00	Nos	1430.000		0.00	INR Zero Only
6.33	SITC of High quality Dimming In junction box 1 way made up of MS Sheet metal fabricated housing High temperature resistant insulator material All metal housing offers best overall RF protection & electromagnetic shielding Black powder coated, fibre glands of suitable size fitted with 5 Pin DmX XLR Male socket Clamp arrangement for fixing or Raul plug arrangement for wall /floor fixing. (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara )	4.00	Nos	1138.000		0.00	INR Zero Only
6.34	SITC of DmX Loop Junction Box having 1 No. of DmX 5 Pin XLR Female Socket & 1 No. DmX XLR Male Socket fitted on to a sheet metal fabricated compact Junction box powder coated with matt black texture finish paint. High temperature resistant insulator material All metal housing offers best overall RF protection & electromagnetic shielding. Clamp arrangement for fixing or Raul plug arrangement for wall /floor fixing. (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara )	1.00	Nos	3112.000		0.00	INR Zero Only
6.35	SITC of Internal Earthing System with copper bare conductors all along the cable trays, metal parts and Installation Hardwares	1.00	Nos	20340.000		0.00	INR Zero Only
6.36	SITC of Black Powder coated cable trays made out of MS Sheet fabricated for a size of 40 x 75 x 40mm & 1.6 mm thickness undergone through 7 tank process with various chemical treatment to keep them rust free with perforation for heat dessipation provided with lid.	30.00	Nos	1310.000		0.00	INR Zero Only
6.37	SITC of DmX Male Female Connectors 5 Pin having rubber sheeth protection for Cross connecting DmX wiring connections. (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara )	6.00	Nos	524.000		0.00	INR Zero Only
6.38	SITC of DmX Male Termination Connector 5 Pin soldered with required capacity of resistor for signal deframing. (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara )	4.00	Nos	572.000		0.00	INR Zero Only
6.39	SITC of DmX Controller 12 Faders to control atleast 12 channels with Master control fader ,12 Set Scene saving options Master Fader Enabled Controller , LCD display access,Eeasy access key pads 12 Physical Fader unit for direct access Incremental Channel Up & Down Buttons DmX 512 protocol. (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara )	1.00	Nos	24727.000		0.00	INR Zero Only

6.40	SITC of DmX Controller 12 Faders to control atleast 12 channels with Master control fader ,12 Set Scene saving options Master Fader Enabled Controller , LCD display access,Eeasy access key pads 12 Physical Fader unit for direct access Incremental Channel Up & Down Buttons DmX 512 protocol. (Leksa Lighting / Kenson Solace / Aultra Lighting / Canara )	1.00	Nos	83153.000		0.00	INR Zero Only
6.41	SITC of FRLS Copper unarmoured Flexible cable IS694 having 3 Core each of 1.5 Sq mm size.	250.00	Meter	204.000		0.00	INR Zero Only
6.42	SITC of 5 Core DmX Cable with Sheathed housing on the cable, well designed insulation, low noise suitable to transmit DmX signal	150.00	meter	304.000		0.00	INR Zero Only
<b>Total in</b>						<b>0.00</b>	INR Zero Only
<b>Quoted Rate in Figures</b>			<b>Select</b>			<b>0.0000</b>	Zero Only
<b>Quoted Rate in Words</b>		<b>INR Zero Only</b>					