

1.Format: Price Bid

To,
The Mission Director
Assam Skill Development Mission
Nayantara Building 5th Floor
Six Mile, Guwahati – 781022

Date:

Sub: RFP for selection of Contractor for Development of office space for new ASDM office

Sir,

I/We hereby tender for the above mentioned tender as per the specifications given in this tender document of Assam Skill Development Mission, Six Mile, Guwahati -781022 within the time specified and in accordance with the specifications, design and instructions as per Terms and Conditions. The prices are quoted in the prescribed format given below:

S. No.	Activity	Annexure no.	Amount (including taxes)
1.	Civil Works	8A	
2.	Furniture & Furnishings	8B	
3.	Electrical Works	8C	
4.	Sanitary & Plumbing Work	8D	
5.	Audio, Video & Video Conferencing systems & Acoustic control	8E	
6.	Data & Voice Connectivity & Fire Detection	8F	
	GRAND TOTAL (Rs.)		
	GRAND TOTAL (Amount in words)		

Yours faithfully,

(Signature of the Bidder)
Designation

Annexure 8A: Civil Works

S. No.	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
1	DEMOLITION, BRICK WORK AND PLASTERING						
	1.1	23.2	Demolishing PCC work including stacking of steel bars and disposal of unserviceable material as directed in all levels. (i) prop 1:3:6	1.00	cum		
	1.2	23.3	Demolishing RCC work including stacking of steel bars and disposal of unserviceable material as directed in all levels.	3.00	cum		
	1.3	23.4	Demolishing RB work including stacking of steel bars and disposal of unserviceable material as directed in all levels.	2.00	cum		
	1.4	23.7	Demolishing brickwork work including stacking of steel bars and disposal of unserviceable material as directed in all levels.	4.00	cum		
	1.5	23.13	Demolishing Skirting/dado in walls /RCC &PCC members without causing damage to walls/ members up to any height including disposal of debris as directed.	5.00	cum		
	1.6	4.1.4(ii)(b)) 4.1.5	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed. In superstructure above plinth level up to 1st floor level. Extra over item no. 4.1.4 above for brick work in each subsequent floor or part thereof above 1st floor level.	3.00	cum		
	1.7	6.2.3	20 mm thick Cement plaster in two coats on single or half brick walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed.				
			A) On rough side (backing coat 15 mm and finishing coat 5mm thick)b) In cement mortar 1:4and Extra over item no 6.2.1to 6.2.3 for interior plastering above 1st floor level for every addl floor or part thereof including curing complete as directed.	21.00	Sq.M.		
			B) On fair side (backing coat 10 mm and finishing coat 10mm thick) In cement mortar 1:4and Extra over item no 6.2.1to 6.2.3 for interior plastering above 1st floor level for every addl floor or part thereof including curing complete as directed.	21.00	Sq.M.		
2	WALL PANELLING						

S. No.	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
	2.1	NS 1	Providing, Fixing and Finishing 12mm /6mm Plyboard Panelling of required thickness fixed over Sal Wood /Gypsteel Frame of size 50mm x 38mm & 50mm x 50mm made of required section as per design finished with 4mm veneer /12.5mm Fire Line Gypsum Board as specified, complete with necessary hardware and fittings as specified and directed.	21.00	sqm		
3	PLYWOOD PARTITION						
	3.1	NS 2	Providing, Fixing and Finishing 6mm Plyboard partition wall of required thickness fixed over Sal Wood Frame of size 50mm x 38mm made of required section as per design finished with 12/6 mm BWR grade plywood on both sides finished with 4mm veneer Board as specified and as per design complete with necessary hardware and fittings as specified and directed.	10.00	sqm		
4	FLOORING AND FLOOR FINISHES						
	4.1	NS 3	Providing fitting and laying of Flotex flooring on existing tiled flooring with necessary adhesive.	173.00	Sq.M.		
	4.3	NS 4	Providing fitting and fixing Mikasa/Armstrong 12mmx75mm one side rounded edge wooden skirting of approved brand above Flotex flooring as directed.	71.00	rm		
	4.5	5.7.1.2	Providing polished ceramic tiles of approved quality size, shape and thickness not less than 8mm on walls and skirting over cement mortar base 10 mm thick in prop 1:3 (1 cement: 3 coarse sand) including cutting where necessary finished with flushed pointing with Fix A Tile(Choksey/Sika/Pidilite/Rouf, white cement slurry) mixed with approved pigment to match shadow of tiles complete at all levels as specified and directed.)cement, plastering to be measured and paid separately) (color pigment should be in conformity with colour of tiles as approved and directed by the department) for both interior and exterior walls.				
		(b)(ii)	Of size 250 mmx 350 mm and above	146.00	Sq.M.		

S. No.	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
		5.7.2.1	Providing VITRIFIED floor tiles of approved quality of specified size, shape and thickness not less than 18mm on floors, skirtings, risers and treads of steps over 15 mm thick base of cement mortar in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf) / white cement slurry mixed with approved pigment to match shade of tiles, mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department)b) Delux range Somany/ Orient/Nitco /Varmora/Jhonsen Make.ii) Of size 1000 mm x 1000 mm and above	415.00	Sq.M.		
5	PAINTING & POLISHING						
	5.1	13.3.4	Providing two coats of Birla White Wall Care Putty (Water Resistant White Cement based putty for concrete/ mortar walls and ceiling both internal and external) after removing all loosely adhering material from the wall surface with the help of emery stone, putty blade or wire brush and moistening the wall with sufficient quantity of clean water as specified and directed by the department. (Total thickness of two coats is maximum 1.5mm) - Thickness = 1.5 mm thick	1,100.00	Sq.M.		
	5.2	13.2.3(a)	a) Applying one coat of cement primer of approved brand and manufacture on new wall surface after thoroughly booming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.	1,100.00	Sq.M.		
	5.3	13.4.1	Wall painting (two coats) with acrylic emulsion paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth - Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	1,100.00	Sq.M.		
	5.4	13.4.2	Extra for every subsequent coat of wall painting with acrylic emulsion paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) - Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	1,100.00	Sq.M.		

S. No.	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
	5.5	14.2.1	Polishing with french sprit polishing on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust sand papered smooth and including a coat of wood filter	65.00	Sq.M.		
6	GLASS PARTITION						
	6.1	NS 5	Providing, fitting and fixing of 12mm thk toughened transparent glass partition with etching as per design to be fixed on hinges on wall and partitions and supported on floor and as per design	14.00	Sq.M.		
7	DOORS AND ARCHITRAVE						
	7.1	NS 6	Providing ditting and fixing of 35 mm thk BWP grade (green/century/archid or equivalent)solid core flush door with 6mm glass panels finished with 1mm thk laminate (green/century or equivalent make) on both sides as per design including necessary hardware fittings including door closer, door mortice lock, SS hinges, door stopper as directed.	50.00	Sq.M.		
	7.1	9.18.1(b)	Providing, fitting and fixing factory made Santro Flush door shutters having core & cross bands fabricated from seasoned 1st class timber, 25mm core battens, 2.5mm to 3.5mm uniformly thick cross bands, styles & rails made from hardwood timber of width not less than 50mm, fixed to the door frames (chowkath) with necessary hinges, screws, bolts etc. as specified and directed at all levels (Door fixtures and fittings to be measured and paid separately.) 35 mm thick	15.00	Sq.M.		
		9.1.2(b)	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embedded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. With 1st class timber (Bonsum/ Sundi)	0.50			
	7.2	NS 7	Providing fitting and fixing of teak wood panelling over chowtkahs on 3 sides including providing fitting and fixing of teak wook architrave on teak panelled chowtkahs including necessary hardware as per design and as directed.	288.00	Rm		

S. No.	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
		11.7.2(a)	Providing, fitting and fixing anodised aluminium framed glazed doors with anodised aluminium frame made of 100mm x 45mm x 2.5mm section with door style of size 88mm x 45mm x 2.5mm, top rails 50mm x 45mm x 2mm and bottom rails 100mm x 45mm x 2.5mm fitted with glazing clip, special type rubber gasket complete etc complete as specified and directed by the department at all levels. With 12 mm thick toughened glass	4.80	Sq.M.		
8	BLOCKBOARD CABINET						
	8.1	NS 8	Providing fitting and fixing of cabinet with 19 mm thk BWP grade blockboard(green/century or equivalent make), inside finished with 0.8 mm white laminate and outside with 1mm thk green/century make laminate including 8 and 10 mm thk edge polished glass shelves fitted and fixed with SS brackets as per design and as directed.	10.00	Sq.M.		
9	CEILING AND GYPSUM PARTITION						
	9.1	7.11.1(A)	Providing fitting and fixing of Mineral fibre Acoustic ceiling tiles of 600mm x 600 mm of 13/15 mm thickness to be placed in E - grid suspended ceiling grid 2430 system consisting of main runner 3600 mm long, cross Tee 1200 mm long/600mm long and wall angle. the wall angle shall be fixed on PVC dash fasteners on the perimeter of wall; by steel screws @ 300 mm c/c. Main runner shall be placed along the shorter dimension of the area to be covered. The distance between the 2 main runners to be maintained at 1200 mm. The cross Tee 1200 mm to be will be inserted in a pre cut slots of main runner at a regular interval of 600 mm to form a regular interval of 600 mm to form a modular grid of 1200mm x 600 mm. Additional cross Tees of 600 mm to be place perpendicular to the cross tee 1200 mm long to finally form a grid of 600mm x 600 mm. E - grid of module size 600 mm x 600 mm shall be supported by 4/6 mm dia G.I wire from soffits mineral fibre acoustics ceiling tiles of Armstrong/US Boral/ Everest make to be placed in E- grid module to form a false ceiling including cuttings for light fittings as directed and specified using 13 mm thk perforated ceiling tiles.	60.00	Sq.M.		

S. No.	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
	9.2	7.2.1	Supplying, fitting, fixing and painting where necessary (one coat primer and two coats of paint) M/F Suspended Ceiling which includes G.I. perimeter channels of size 0.55mm thick (having one flange of 20mm and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/ partition with the help of nylon sleeves and screws, at 610mm c/c. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with two equal flanges of 15mm each) from the soffit at 1220mm c/c with ceiling angle of width 25mmx10mmx0.55mm thick fixed to soffit with G.I.cleat and steel expansion fasteners. Ceiling sections of 0.55 mm thk with knurled web of 51.5 mm and two equal flanges of 26mm each with lips of 10.5 mm fixed to the intermediate channel with connecting clips perpendicular to the intermediate channel at 457mm c/c and 12.5 mm thk gypboard fixed to the ceiling sections with 25 mm drywall screws at 230mm c/c. the boards joints are finished with joint paper and two coats of drywall topcoat at all levels including cutting for providing and fixing light fixtures where ever necessary. and as per design.	600.00	Sq.M.		
	9.3	7.2.6	Supplying, fitting, fixing and painting where necessary (one coat primer and two coats of paint)97 mm metal stud partition (single layer) including one layer of 12.5 mm thk gypsum board fixed with 25mm drywall screw at 300 mm c/c to one side of 75 mm studs (0.55 mm thk having one flange of 34mm and another of 36 mm made of GI steel with joints staggered with jointing the tapered and square edges of gypboard with joint tape to have a flushed look and two coats of drywall coats as per design and as directed.	200.00	Sq.M.		
	9.4	NS 9	Providing fitting and fixing of 25 mm thick Supreme Insushield under deck roof insulation with Single layer system.	600.00	Sqm		
10	WALL PAPER						
	10.1	NS 10	Supply fitting and pasting of wall paper on existing painted wall surface as per choice of design and texture with glue and edges cut to give a even look both vertically and horizontally.	40.00	Sq.M.		
11	VERTICAL BLINDS						
	11.1	15.7.1(A)	Supply fitting and fixing of Mac/Vista or equivalent make vertical blinds with necessary hardware like runner channels etc with 100 mm width fabric blinds and as per choice and directed.	130.00	Sq.M.		

RFP for Selection of Contractor for Development of Office Space

S. No.	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
	11.2	NS 11	Supply fitting and fixing of Marvel make dual purpose (dark out and translucent) vertical blinds (Colby Edmond Translucent/1901 - Kody Blackout 1954)with necessary hardware like runner channels complete as directed.	55.00	Sq.M.		
TOTAL for CIVIL WORKS							

Annexure 8B: Furnishing & Readymade Furniture

	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
12	DECORATIVE ITEMS						
	12.1	NS 12	Supply fitting and fixing of timber framed/acrylic framed painting as per choice.	5.00	nos		
	12.2	NS 13	Artificial plants as per choice	6.00	nos		
13	FURNISHINGS						
	13.1	NS 14	Dustbin as per choice and as directed	14.00	Nos.		
	13.2	NS 15	Door Mat set (3 pc) as per choice and as directed	2.00	Nos.		
14	READYMADE FURNITURES						
	14.1		MD Room				
	14.1.1	NS 16	Table set Featherlite MODEL: HT-501 -A Main Table Size no each Size: 2200W x 800D x 780H MM Side Table Size: 1010W x 500D x 650H MM Colour: Dark Walnut Back Unit MODEL: HT-325 Size: 2000W x 400D x 2000H MM Colour: Dark Walnut	1.00	unit		
	14.1.2	NS 17	MD Chair Featherlite make MODEL: FP OPTIMA HB High Mesh Back Chair (Headrest) no each Multilock Mechanism Gaslift Two Way Adjustable Arms (Height & Swivel), Nylon Base, Nylon Castors	1.00	Nos.		
	14.1.3	NS 18	Visitors chair Featherlite make MODEL: ASTRO VA Astro Medium Back Chair nos each Visitor Chair Adjustable Lumbar Support Fixed Arms Chromeplated Sledge Base	8.00	Nos.		
	14.2		ADM and ADVISORS Room				
	14.2.1	NS 19	Table Set Featherlite makeMODEL: HT-528 2 95266 Main Table Size: 1800W x 750D x 780H MM Side Table Size:: 906W x 400D x 750H MM Colour: Dark Walnut Back Unit MODEL: HT-325 Size: 2000W x 400D x 2000H MM Colour: Dark Walnut	2.00	unit		

	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
	14.2.2	NS 20	Chair Featherlite make MODEL: LIBERATE (MESH) HB High Back with Head Rest Mesh Back Cushioned Seat Multilock Mechanism Height Adjustable Arms Nylon Base	2.00	Nos.		
	14.2.3	NS 18	Visitors chair Featherlite make MODEL: ASTRO VA Astro Medium Back Chair Visitor Chair Adjustable Lumbar Support Fixed Arms Chromeplated Sledge Base	12.00	Nos.		
	14.3		CABINS				
	14.3.1	NS 21	Table unit Featherlite make: Size: 1800W x 900D x 750Ht Specification: Table top : 25mm thick Pre-laminate particle board finished with 2mm edge lipping. Support : Supported on 25 mm thick Gable ends with necessary cross beams. Modesty Panel : 18 mm thick PLT Modesty Panel of 450 mm ht is considered. Wire Management: Grommet Hole provided on table top. Side Composite Storage: Storage is made of 18mm PLB with Openable shutters, and 2D+1F Composition. Size: 1200 x 450 x 750 ht MOBILE PEDESTAL 2D1F : 400W X 450D X 640HT Pedestal : Pedestal are made of 18mm thick PLB with 2 drawer units and 1 filling folder unit. The Drawer units are made mobile with the use of castors. The drawer units are provided recessed handle and suitable locks. ABS keyboard tray without mousepad & CPU trolley	4.00	unit		
	14.3.2	NS 22	Chair Featherlite make:MODEL: ASTRO MB Astro Medium Back Chair Single Lock Synchro Mechanism Adjustable Lumbar Support	4.00	Nos.		

SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
		One Way Adjustable Arms (Height) Nylon Base				
14.3.3	NS 23	Chair Featherlite make:MODEL: SMART VA FXD ARMS With PC Legs 12 Smart Low Mesh Back Visitors chair Powdercoated Four LegsFixed Arms	12.00	Nos.		
14.4		WORK STATIONS				
14.4.1	NS 24	6 Seater L-shape Workstation Table Model: Neo 50 mm Size: 1500 / 1500 x 600 / 600 x 750 Ht, 1200 ht partition Specification: Table top : 25mm thick Pre-laminate particle board finished with 2mm edge lipping. Partition : Partition is made of 50mm thick NEO based system with fabric above and laminate below the table top. Fabric magnetic and glass markers are provided for each workstation Table top Support : 18mm thick Gable ends with necessary MS Brackets. Raceway: Raceways are provided BTT rest are provided with skirting for power and data cable management. MOBILE PEDESTAL 2D1F : 400W X 450D X 640HT Pedestal : Pedestal are made of 18mm thick PLB with 2 drawer units and 1 filling folder unit. The Drawer units are made mobile with the use of castors. The drawer units are provided recessed handle and suitable locks. ABS keyboard tray without mousepad & CPU trolley	6.00	Nos.		

	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
	14.4.2	NS 25	<p>Single Seater L-shape Workstation Table Model: Neo 50 mm Size: 1500 / 1500 x 600 / 600 x 750 Ht, 1200 ht partition Specification: Table top : 25mm thick Pre-laminate particle board finished with 2mm edge lipping. Partition : Partition is made of 50mm thick NEO based system with fabric above and laminate below the table top. Fabric magnetic and glass markers are provided for each workstation Table top Support : 18mm thick Gable ends with necessary MS Brackets. Raceway: Raceways are provided BTT rest are provided with skirting for power and data cable management. MOBILE PEDESTAL 2D1F : 400W X 450D X 640HT Pedestal : Pedestal are made of 18mm thick PLB with 2 drawer units and 1 filling folder unit. The Drawer units are made mobile with the use of castors. The drawer units are provided recessed handle and suitable locks. ABS keyboard tray without mousepad & CPU trolley</p>	2.00	Nos.		
	14.4.3	NS 22	<p>Workstation Chair Featherlite make: MODEL: ASTRO MB Single Lock Synchro Mechanism Adjustable Lumbar Support One Way Adjustable Arms (Height) Nylon Base Make: Featherlite</p>	9.00	Nos.		
	14.5		CONFERENCE ROOM				

	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
	14.5.1	NS 26	Featherlite make Conference Table (29 Seater) U SHAPED BOARD ROOM TABLE TABLE : 1800W X 600D X 750HT (03 NOS) TABLE : 1350W X 600D X 750HT (10 NOS) Table Top : Table top 25mm thick pre laminated particle board finished with 2mm edge lipping. Support : Supported on gable ends and 18MM THK PLT modesty panel of 450HT. Wire Management - 300mm Flip Up with PVC cable tray is considered in each table with vertical wire entry cover.	1.00	unit		
	14.5.2	NS 27	Featherlite make conference chair MODEL: FP OPTIMA HB High Mesh Back Chair (Headrest) Multilock Mechanism Gaslift Two Way Adjustable Arms (Height & Swivel) Nylon Base, Nylon Castors	1.00	Nos.		
	14.5.3	NS 28	Featherlite make conference chair MODEL: AMAZE MB ML ADJ ARMS Medium Mesh Back Chair Self Calibrating Multilock Mechanism Adjustable Lumbar Support Height Adjustable Arms, Nylon Base	40.00	Nos.		
	14.6		OTHER FURNITURES				
	14.6.1	NS 29	Featherlite make MODEL: 238-2S (Pearl) Two seater sofa, Leatherette sofa Chrome frame	2.00	Nos.		
	14.6.2	NS 30	Featherlite make MODEL: 238-1S (Pearl) Single seater sofa Leatherette sofa, Chrome frame	4.00	Nos.		
	14.6.3	NS 31	Featherlite make MODEL: S-900-2S (Converse) Two seater sofa, Leatherette sofa Chrome legs	5.00	Nos.		
	14.6.4	NS 32	Featherlite make MODEL: S-900-1S (Converse) Single seater sofa, Leatherette sofaChrome legs	8.00	Nos.		
	14.6.5	NS 33	Featherlite make low height storage units of Size: 900 x 450 x 1200 ht Made of 18mm thick PLB with 25mm thick storage top with openable shutters,	10.00	Nos.		

RFP for Selection of Contractor for Development of Office Space

	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
			adjustable shelves, auto closing hinges, locking mechanism and recessed handles.				
	TOTAL FOR FURNISHINGS & FURNITURE						

Annexure 8C: Electrical Works

SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
15 ELECTRICAL FITTINGS						
15.1	NS 34	Supply fitting and fixing of Havells make 9W LED(Joy round) round type recessed down lighter	24.00	Nos.		
15.2	NS 35	Supply fitting and fixing of Havells make 15W LED(Joy round) round type recessed down lighter	27.00	Nos.		
15.3	NS 36	Supply fitting and fixing of Havells make 18W LED(Joy round) round type recessed down lighter	8.00	Nos.		
15.4	NS 37	Supply fitting and fixing of Havells make 34 W 600X 600 LED(Venus neo 4000k) recessed type down lighter.	28.00	Nos.		
15.5	NS 38	Supply fitting and fixing of V3 havells/orient make 400 MM dia Wall mounted fans	26.00	Nos.		
15.6	NS 39	Supply fitting and fixing LED Strip light Philips or equivalent make including all accessories.	50.00	Rm		
16 AIR CONDITIONERS						
16.1	ECBC 7.5.1.1/31.1.6	Supply fitting and fixing of Mitsubishi or equivalent make 1.0 ton 5 star rating Hi wall AC unit with cordless remote including outdoor and indoor unit and necessary additional copper piping up to 5 m with thermo insulation and including PVC drain pipe and voltage stabilizer and electrical cable installation complete as directed by department.	5.00	Nos.		
16.1	ECBC 7.5.1.1/31.1.6	Supply fitting and fixing of Bluestar/Voltas or equivalent make 1.5 ton 5 star rating Hi wall AC unit with cordless remote including outdoor and indoor unit and necessary additional copper piping upto 5 m with thermo insulation and including PVC drain pipe and voltage stabilizer and electrical cable installation complete as directed	5.00	Nos.		
16.1	ECBC 7.4/31.1.7	Supply fitting and fixing of Bluestar/Voltas or equivalent make 2.0 ton 5 star rating Hi wall AC unit with cordless remote including outdoor and outdoor unit and necessary additional copper piping upto 5 m with thermo insulation and including PVC drain pipe and voltage stabilizer and electrical cable installation complete as directed by department.	4.00	Nos.		

						Rates (including Taxes)	Amount (including Taxes)
SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT			
16.1	ECBC 7.7.4/31.1. 9	Supply with installation testing and commissioning of ceiling mounted cassette 5 star rating non ducted split type air conditioner with cordless remote including outdoor and indoor unit and necessary additional copper piping upto 5 m with thermo insulation and including PVC drain pipe and voltage stabilizer and electrical connection cable complete as directed by department. 3 Ton capacity with scroll compressor Mitsubishi make cassettes AC	8.00	Nos.			
17 ELECTRICAL WIRING							
17.1	2.2	Wiring to 5 pin 6 Amps plug point with 1.5 sq. mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed 2 mm thick/ heavy rigid ISI marked IS: 9537 PART - III rigid PVC conduit (Berlia/ AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) wiring system including 5 pin 6 Amps flush type plug socket and 6 Amps F/T switch (Anchor penta /Gold medal /Kolor kany.Kom/Havells or equivalent make as approved by the Deptt.), GI/ MS switch board (I.S.I. mark with phenolic laminated sheet cover including earth continuity with 1.5 sq. mm. cable to third pin of the plug socket etc. as required complete, when placed elsewhere.					
	2.2.1	Short point upto 3.0 m length	30.00	Each			
	2.2.1	Medium point upto 6.0 m length	20.00	Each			
	2.2.3	Long point upto 10.0 m length	12.00	Each			
17.2		Wiring for 5/6 pin 16 Amps power plug point with 4 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed conduit wiring system including and fixing 5/6 pin 16 Amps flush type socket outlets and 16 Amps flush type switch (Anchor penta /Gold medal /Kolor kany.Kom/Havells or equivalent make as approved by the Deptt.), GI/ MS switch board (I.S.I. mark with phenolic laminated sheet cover earth continuity with 2.5 sq. mm cable to the 3rd pin of the socket as required complete with 20 mm. dia. 2mm thick/ heavy ISI					

SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
		marked IS: 9537 PART - III rigid PVC conduit (Berlia/ AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.)				
	2.3.1	Short point upto 3.0 m length	9.00	Each		
	2.3.2	Medium point upto 6.0 m length	4.00	Each		
	2.3.3	Long point upto 10.0 m length	4.00	Each		
	2.4.1	Extra Long point upto 15.0 m length	2.00	Each		
	2.4.2	Extra long point upto 20.0 m length	2.00	Each		
17.3	2.1	Wiring for light/fan/bell point with 2 x 1.5 sq. mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel or Equivalent Make as approved by the Deptt.) in surface/ recessed conduit wiring with 20 mm dia 2mm thick/ heavy rigid ISI marked IS: 9537 PART - III rigid PVC conduit (Berlia/ AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) wiring system including 6 Amps flush type switch/bell push (Anchor penta /Gold medal /Kolor kany.Kom/Havells or equivalent make as approved by the Deptt.), GI/ MS switch board (I.S.I. mark with phenolic laminated sheet cover as required complete, when placed elsewhere.				
	2.1.1	Short point upto 3.0 m length	70.00	Each		
	2.1.2	Medium point upto 6.0 m length	30.00	Each		
	2.1.3	Long point upto 10.0 m length	15.00	Each		
17.4	SB 8.63.3	supplying with fitting and fixing of modular starter of following specification complete with making necessary connection as specified and directed. Overload relay range 9-15 Amps in 3 module	18.00	Each		
17.5	SB 8.21.1	Supply with fitting and fixing of 100 W 4 step modular(2 module) fan speed controller of legrad, MK, ABB, colors, Schneider etc with necessary connection as directed by the department.	26.00	Each		

						Rates (including Taxes)	Amount (including Taxes)
SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT			
17.6	2.7/2.8/2.9	Wiring for drawing sub-main line with P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) PVC conduit (Berlia/ AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) including earth continuity in surface/ recessed 20 mm. dia. 2mm thick/ heavy ISI marked IS: 9537 PART - III rigid PVC conduit wiring system.					
	2.7.1	With 2 x 2.5 sq. mm. + earth continuity with 1x1.5 sq. mm. in 20 mm. dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit.	300.00	Metre.			
	2.8.2	With 3 x 4 sq mm + 2 x 2.5 sq mm earth connectivity in 20 mm. dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit.	150.00	Metre.			
	2.9.3	With 4 x 6 sq mm + 2 x 4 sq mm earth connectivity in 20 mm. dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit.	75.00	Metre.			
	2.9.4	With 4 x 10 sq mm + 2 x 6 sq mm earth connectivity in 20 mm. dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit.	125.00	Metre.			
17.7	32.1.3.1	Supply and laying of following size PVC/XLPE.insulated and PVC sheathed 11 KV gd aluminum conductor LT armoured UG. cable laid in ground/partially in air (10.0% of cable length) including excavation af cable trench upto depth of 75cm, refilling, protective brick covering, sand cushioning etc. complete handling of surplus spoil, debris etc. to proper place as specified and directed by the deptt.					
		25.00 sq mm 3&1/2core U.G. Cable	30.00	Metre.			
17.8	32.1.4.3	Supply and laying heavy duty 1100V FRLS Grade PVC insulated armored cables indoor or outdoor with AL / Cu conductors complete with a) Clamping of Cables with trays etc b) Cable Tags c) Earthing the glands armoring etc.					
		4C x 10 sq. mm YFY (Cu)	25.00	Metre.			
17.9	16.2	Supplying fitting and fixing of SPN 10 KA 240/415 V 50 Hz MCB of the following capacity complete with making necessary connection as approved specified by the department.					

SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
	16.2.1	B series Schneider, Legrand, Crabtree etc				
	16.2.1.1	6 AMP to 32 AMP	40.00	each		
17.10	16.5	Supplying fitting and fixing of TP 10 KA 240/415 V 50 Hz MCB of the following capacity complete with making necessary connection as approved specified by the department.				
	16.5.1	B series Schneider, Legrand, Crabtree etc				
	16.5.1.2	40 AMP	8.00	each		
	16.5.1.3	63 AMP	4.00	each		
17.11	16.16	Supplying with fitting and fixing of panel mounting open execution 25KA 415V 50 Hz 4P MCCB(lcs=lcu adjustable Ir setting 0.7 without enclosure) of the following capacity with necessary connection as approved , specified and directed by the department				
	16.16.1	25 KA 415V 50 Hz 4P MCCB				
	16.16.1.4	63 AMP	3.00	each		
	16.16.1.6	100A	2.00	each		
17.12	15.2	Supplying with fitting and fixing sheet steel, phosphatized, powder dust & vermin proof Double door (IP-43) surface mounting SPN MCB DB incorporated with bas-bar, Neutral link, Earth bar & din rail etc fitted on wall with grouting nuts & bolts as reqd. complete with making necessary connection approved, specified and directed by the deptt.				
	15.2.1	4 way SPN double door	6.00	each		
17.13	15.37	Supplying with fitting and fixing 7segment sheet steel, phosphatised, powder painted surface mounting TPN DB (IP-20) incorporated with bas-bar, Neutral Link, Earth bar and din rail etc fitted on wall with grouting nuts & bolts as reqd. with provision for FP MCB/RCCB/RCBO as incomer, DP MCB/Isolator/RCCB/RCBO as sub incomer and SP MCB as outgoing complete with making necessary connection as approved, specified and directed by the deptt.				
	15.37.1.1	6 way (8+12+24)	4.00	each		
17.14	SB 8.13	Supplying including and fixing of metal boxes in recessed system complete as per direction of department. Legrand/anchor/schneider or equivalent				
	SB 8.13.1	1-2 module type metal	30	each		
	SB 8.13.2	3 module flush type metal	15	each		

						Rates (including Taxes)	Amount (including Taxes)
SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT			
	SB 8.13.3	4 module flush type metal	16	each			
	SB 8.13.4	6 module flush type metal	20	each			
	SB 8.13.5	8 module flush type metal	16	each			
	SB 8.13.6	10 module flush type metal	8	each			
	SB 8.13.7	12 module flush type metal	4	each			
	SB 8.13.8	16 module flush type metal	2	each			
17.16	SB 8.14	Supplying including fitting fixing of logic front plate of suitable colour as per direction of department. Legrand/anchor/schneider or equivalent					
	SB 8.14.1	1 module type metal	15	each			
	SB 8.14.2	2 module type metal	15	each			
	SB 8.14.3	3 module flush type metal	15	each			
	SB 8.14.4	4 module flush type metal	16	each			
	SB 8.14.5	6 module flush type metal	20	each			
	SB 8.14.6	8 module flush type metal	16	each			
	SB 8.14.7	10 module flush type metal	8	each			
	SB 8.14.8	12 module flush type metal	4	each			
	SB 8.14.9	16 module flush type metal	2	each			
17.17	SB 8.22	Supplying with fitting fixing 6 amp one way modular clip in switch in recessed system including making necessary connection complete as per direction of department. Legrand/anchor/schneider or equivalent	115	each			
17.18	SB 8.23	Supplying with fitting fixing 16 amp one way modular clip in switch in recessed system with LED indicator including making necessary connection complete as per direction of department. Legrand/anchor/schneider or equivalent	15	each			
17.19	SB 8.24	Supplying including installation of socket outlet 6/16 Amps 3/5 pin combine shuttered complete as per direction of department. Legrand/anchor/schneider or equivalent	30	each			
17.20	SB 8.25	Supplying including installation of socket outlet 6/16/13 Amps International; socket with making necessary connection as per direction of department. Legrand/anchor/schneider or equivalent	5	each			
17.21	SB 8.26	Supplying including installation of socket outlet 6 Amps 3 pin combine shuttered complete as per direction of department. Legrand/anchor/schneider or equivalent	5	each			
17.22	SB 8.29	Supplying with fitting fixing 10/16 amp one way modular clip in switch in LED in recessed system including making necessary connection complete as per direction of department.	3	each			

SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
		Legrand/anchor/schneider or equivalent				
17.23	6.2	Supplying including fitting and fixing of rigid PVC. Conduit pipes including painting etc. complete in surface wiring system.				
		25 mm. Dia, 1.5 - 2.0 mm mm thick, rigid PVC. Conduit pipes	115	m		
17.24	SB 8.16	Supplying with fitting fixing RJ 11 telephone jack switch in recessed system including making necessary connection complete as per direction of department. Legrand/Schneider anchor or equivalent	15	each		
17.25	SB 8.17	Supplying with fitting fixing CAT 6 RJ 45 computer jack switch in recessed system including making necessary connection complete as per direction of department. Legrand/Schneider anchor or equivalent	15	each		
17.26	SB 8.18	Supplying with fitting fixing blank plate single in modular switch recessed system with including making necessary connection complete as per direction of department. Legrand/anchor/schneider or equivalent	10	each		
17.27	NS 40	Supplying fitting and fixing of 150 mm wide raceway as approved and directed	20	Rm		
17.28	NS 41	Supplying fitting and fixing of 150 mm JB for raceway	6	each		
TOTAL FOR ELECTRICAL WORKS						

Annexure 8D: Sanitary & Plumbing Works

	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
18	SANITARY WARE, SANITARY FITTINGS AND PLUMBING WORKS						
	18.1	1.4(c)(iv)	Providing fitting and fixing of Jaquar make white vitreous china wall hung dual flush coupled water closet extended type (European type WC pan) with seat and head CP brass hinges and rubber buffers, CI/MS brackets (cat no LYSWHT0309 Lyric) as directed.	6.00	Nos.		
	18.2	1.7	Providing fitting and fixing vitreous china flat back type lipped front urinal basin of with automatic flushing cistern with standard flush pipe and CP brass spreader and brass unions, etc. complete including painting of fittings and brackets, cutting and making good the walls & floors wherever required.				
			C) Jaquar make				
			a) White				
			(i) Urinal (Cat. No.URS-WHT-0704) with Sensor (Cat. No.SNR-CHR-51097)	3	Each		
	18.3	1.13	Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately)	6	Each		
		1.13.6	Under Counter Basin				
			(C) Jaquar Make				
			(i) Florentine (Cat. No. FLS-WHT-0401)				
	18.4	1.22(i)(a)	Providing fitting and fixing of chrome plated Jaquar make soap dish (cat no ACN 1131 N)	6.00	Nos.		
	18.5	1.20.1(iii)(c)	Providing fitting and fixing of Jaquar make Glass self complete as directed	4.00	Nos.		

SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
18.6	1.23(i)(a)	Providing fitting and fixing of Jaquar make liquid soap dispenser and liquid soap container complete as directed.	4.00	Nos.		
18.7	1.24(a)(ii)	Providing fitting and fixing of chrome plated 600 mm long Jaquar make Towel rail complete as directed.	6.00	Nos.		
18.8	1.26(a)(ii)	Providing fitting and fixing of Jaquar make chrome plated Towel ring complete as directed.	4.00	Nos.		
18.9	1.22(i)(a)	Providing fitting and fixing of CP soap dish complete as directed.	6.00	Nos.		
18.10	3.8.4(I)(a)	Providing fitting and fixing of CP telephonic of approved brand with 1m PVC tube and hook as directed and specified.	4.00	Nos.		
18.11	3.2.1(II)(ii)	Providing fitting and fixing of Jaquar make 2 way CP bip cock with wall flange as directed.	4.00	Nos.		
18.12	1.12(A)(a)	Supplying fitting and fixing glass division plate of Jaquar make including fitting and fixing complete as directed and specified.	2.00	Nos.		
18.13	1.19(A)(a)	Providing fitting and fixing Decorative Mirror complete as directed and specified. Parryware Make Size 800mm x 600mm	6.00	Nos.		
18.14	3.1.2(B)	Supplying fitting and fixing approved uPVC Pipes of different sizes, with all necessary 'R' brand or similar approved P.V.C. Fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, clamps etc. complete at all levels including below G.L. as directed and specified. Concealed by chiselling or breaking brick/RCC wall ,SUPREME/ PRINCE / SFMC / FUSION BAND or other equivalent approved brand (High pressure pipe Sch-40)				
		a) 50 mm dia	50.00	Rm		
		c) 32 mm dia	55.00	Rm		
		e)20 mm dia	40.00	Rm		
		f)15 mm dia	75.00	Rm		
18.15	3.2.1	Supplying fitting and fixing C.P. bib cock 15mm dia of approved brand directed and specified. (G.I. & C.P pipes will be				

SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
		measured separately)				
		(b)Queen's collection /The Stealth Rangers (For VIP use. Prior approval of Chief Engineer PWD (Bldg) must be taken before use)				
		i) C.P. bibcock with wall flange	4.00	Each		
		ii)C.P.2-way bibcock with wall flange	6.00	Each		
18.16	3.5.1	Supplying and fitting fixing C.P. pillar cock of 15mm dia of approved brand as specified and directed.				
	(II)	Jaguar make				
		(b)Long neck with areator	6.00	Each		
18.17	3.6.1	Supplying fitting and fixing Chrome Plated (C.P.) sink cock of approved brand as directed and specified. (G.I. & C.P pipes will be measured and paid separately)				
	(V)	Jaquar brand				
		a) Continental / Clarion				
		i) Sink cock with swinging casted spout	1.00	Each		
18.18	3.3.1	Supplying fitting and fixing stop- cock of approved brand of size as mentioned below and directed and specified (G.I. & C.P. pipes will be measured and paid separately)				
		(i)15mm dia	16.00	Each		
		(ii)20mm dia	4.00	Each		
TOTAL FOR SANITARY & PLUMBING WORKS						

Annexure 8E: Audio, Video & Video Conferencing Systems & Acoustic control

	SL NO	SOR NO	DESCRIPTION	MAKE	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
19	Conference System							
	19.1		Supply, Installation Testing & Commissioning of Digital Discussion System; Excellent Speech Intelligibility; Plug and Play Mics; Microphones have Built In Monitor Speakers / Headphone Sockets	Bosch	29	Nos		
	19.2		Supply, Installation Testing & Commissioning of Digital Conference System Central Control Unit With Feedback Suppression; Built-in Audio Recording On Internal Memory And/Or USB Memory Stick;	Bosch	1	Nos		
	19.3		Supply, Installation Testing & Commissioning of Extension Cable Assembly	Bosch	20	Mtr		
20	Speaker System							
	20.1		Supply, Installation Testing & Commissioning of 60 Watts continuous, 240 Watts peak power; Coaxial full range ceiling loudspeaker with 0.75" ferro fluid cooled soft dome neodymium high frequency driver; Multiple transformer taps for 70 V and 100 V line systems or 6 Ohm direct input; Frequency response (-3 dB) 179 Hz - 21 kHz; Nominal Impedance 6 Ohms.	Tannoy	8	Nos		
	20.2		Supply, Installation Testing & Commissioning of Dual 2 Way 5" Full Range Loudspeakers with Line Transformers; 120 Watts Continuous, 480 Watts Peak power; 120, 60, and 30W On The 100 V Line	Turbosound	2	Nos		
	20.3		Supply, Installation Testing & Commissioning of Professional 300-Watt Light Weight 4-Channel Power Amplifier With ATR (Accelerated Transient Response) Technology; 4 x 75 Watts Into 4 Ohms; 4 x 50 Watts Into 8 Ohms;	Behringer	3	Nos		
21	Mixing Console							

							Rates (including Taxes)	Amount (including Taxes)
SL NO	SOR NO	DESCRIPTION	MAKE	QUANTITY	UNIT			
21.1		Supply, Installation Testing & Commissioning of 18-Channel, 12-Bus Digital Mixer for iPad/Android Tablets with 16 Programmable MIDAS Preamps, Integrated Wifi Module and Multi-Channel USB Audio Interface; 6 aux and main LR buses with inserts, full dynamics processing and 6-band parametric or 31-band graphic EQ	Behringer	1	Nos			
22	Microphones							
22.1		Supply, Installation Testing & Commissioning of Wireless Hand Held Vocal Microphone System With Up To 10 Compatible Channels; Selectable UHF Frequencies Within A Large Bandwidth; AF Frequency Response Of 80Hz-14KHz; Cardioid Pick-up Pattern	Sennheiser	1	Nos			
22.1		Supply, Installation Testing & Commissioning of Wireless Lavalier Microphone System With Up To 10 Compatible Channels; Selectable UHF Frequencies Within A Large Bandwidth; AF Frequency Response Of 50 to 16KHz (-3 dB).	Sennheiser	1	Nos			
23	Video							
	23.1	LED Panel						
		Supply, Installation Testing & Commissioning of 65"(1638mm), Direct LED, Resolution 1920x1080, 350 cd/m ² , Contrast ratio 4000:1, Viewing angle 178°/178°, Connection: video in, HDMI in, DVI-D in, PC in, Serial in, LAN(RJ45 x1), USB, Audio in/out, Dimension: 1459x835x82mm(WxHxD), Bezel Width T/R/L 13.9mm B14.9mm, weight aprox 24 kg	Panasonic	1	Nos			
	23.2	Interactive Pen Display						
		Supply, Installation Testing & Commissioning of Interactive Pen Display:- 15.6" Full HD LCD display and sleek, space saving design, A built-in HDMI pass-thru connector that allows mirroring directly from pen display to another display, Dimensions (W x H x D, excluding stand):- 16.5 x 11.3 x 0.7 inches	Wacom	1	Nos			

							Rates (including Taxes)	Amount (including Taxes)
SL NO	SOR NO	DESCRIPTION	MAKE	QUANTITY	UNIT			
		(420.0 x 286.0 x 17.0mm), Weight (including stand):- 4.4 lbs (2.0 kg), Screen dimensions:- 13.5 x 7.6 inches (344.2 x 193.6 mm), Aspect Ratio:- 16:9, Resolution:- Full HD, 1,920 x 1,080 pixels, Contrast Ratio:- 800:1 (typical)						
	23.2	Supply, Installation Testing & Commissioning of CPU with Intel Core i3 (6th Gen) 6100 / 3.7 GHz Processor; 4 GB RAM; 1TB Hard Drive	DELL	1	Nos			
24	Projector							
	24.1	Supply, Installation Testing & Commissioning of 6' / 9.5' (16:10 Format) Motorized Projection Screen.	Liberty	1	Nos			
	24.2	Supply, Installation Testing & Commissioning of 4,800 Lumens; Portable LCD Projectors Feature WUXGA (1,920 x 1,200 pixel) Resolution; Contrast Ratio 10,000:1 (all white/all black); Keystone Correction Range Vertical: maximum ±25° (auto/manual, input: WUXGA), Horizontal: maximum ±30° (manual, input: WUXGA);	Panasonic	1	Nos			
	24.3	Supply, Installation Testing & Commissioning of Motorized Projector Lift	Liberty	1	Nos			
25	Video Conference System							
	25.1	Supply, Installation Testing & Commissioning of Real presence polycom DEBUT point to point Video conferencing system , 4X,1080p.	Polycom	1	Nos			
	25.2	Supply, Installation Testing & Commissioning of Service warranty pack for Group series (G300,G500,G700)	Polycom	1	Nos			
	25.3	Multipoint License for Video Conference System	Polycom	1	Nos			
26	Switcher & Converter							

RFP for Selection of Contractor for Development of Office Space

							Rates (including Taxes)	Amount (including Taxes)
SL NO	SOR NO	DESCRIPTION	MAKE	QUANTITY	UNIT			
26.1		Supply, Installation Testing & Commissioning of High-performance Analog Step-in Switcher For computer Graphics Video With Resolutions Up To WUXGA And Unbalanced Stereo Audio Signals. The Unit Can Switch Any One Of Eight Inputs To One Computer Graphics Video, One Unbalanced And One Balanced Stereo Audio And One Twisted Pair Output	Kramer	1	Nos			
26.2		Supply, Installation Testing & Commissioning of High-performance switcher for HDMI signals. It equalizes the signal and switches one of the 8 inputs to a single HDMI output; Max. Data Rate 6.75Gbps (2.25Gbps per graphic channel)	Kramer	1	Nos			
26.3		Supply, Installation Testing & Commissioning of A High-performance Digital Scaler For Computer graphics Video And Component HDTV Signals. It Up- or Down-scales The Input And Embeds The Stereo Audio Into The Non-HDCP Encrypted HDMI Output.	Kramer	1	Nos			
26.4		Supply, Installation Testing & Commissioning of High-performance HDMI Audio De-embedder. The Unit Can De-embed Audio From The HDMI Input Or From The HDMI Output Audio Return Channel To S/PDIF And Analog Audio Outputs Simultaneously.	Kramar	1	Nos			
26.5		Supply, Installation Testing & Commissioning of High-performance, extended-reach HDBaseT transmitter for 4K60Hz (4:2:0) HDMI, RS-232 and IR signals over twisted pair. The TP-580Txr converts all input signals into the transmitted HDBaseT signal. It extends video signals to up to 100m (330ft) over CAT copper cables at up to 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions.	Kramar	6	Nos			

	SL NO	SOR NO	DESCRIPTION	MAKE	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
	26.6		Supply, Installation Testing & Commissioning of High-performance, long-reach HDBaseT receiver for 4K60Hz (4:2:0) HDMI, RS-232 and IR signals over twisted pair. It extends video signals to up to 40m (130ft) over CAT copper cables at up to 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions.	Kramar	6	Nos		
	26.7		Supply, Installation Testing & Commissioning of Computer Graphics Video, HDMI & Stereo Audio Passive Wall Plate; Front Panel Connections — 15-pin HD (F), HDMI (F) and 3.5mm (F); Rear Panel Connections — 15-pin HD (F), HDMI (F) and 3.5mm (F).	Kramar	1	Nos		
	26.8		Supply, Installation Testing & Commissioning of POPUP BOX; Easy Access To Connectors Durable Pnematic Movementand Mechanical Latching Mechanism One Female 15pin HD Connector And 3.5mm Mini Stereo Audio Jack, Two CAT RJ45 network/data/phone Connectors, Two Unswitched AC Outputs, One HDMI	Magnum	7	Nos		
27	Cables & Connectors							
	27.1		Supply, Installation Testing & Commissioning of High flexible Speaker cable for power amplifiers upto minimum 500 Watt , Jacket - PVC, ø 0.32 in, black Conductor - Stranded bare copper wires, 140x35 AWG (13AWG) ,	Gotham	150	Mtr		
	27.2		Supply, Installation Testing & Commissioning of Audio Signal Cable;Balanced microphone cable with single shield, high flexible, velvet faint PVC-Jacket , Conductor: Stranded bare copper wires 28 x 0.10 mm (0.22mm ²) , Jacket: PVC, 6.0 mm max. ø	Gotham	200	Mtr		
	27.3		Supply, Installation Testing & Commissioning of Cat6 Cable	Kramer	150	Mtr		

							Rates (including Taxes)	Amount (including Taxes)
SL NO	SOR NO	DESCRIPTION	MAKE	QUANTITY	UNIT			
27.4		Supply, Installation Testing & Commissioning of High-performance Cables With Molded HDMI Connectors At Both Ends. HDMI Standard Supports High-definition Video Plus Multi-channel Audio In A Single Cable.	Kramer	4	Nos			
27.5		Supply, Installation Testing & Commissioning of High-performance Cables With Molded HDMI Connectors At Both Ends. HDMI Standard Supports High-definition Video Plus Multi-channel Audio In A Single Cable.	Kramer	5	Nos			
27.6		Supply, Installation Testing & Commissioning of High-performance Cables With Molded HDMI Connectors At Both Ends. HDMI Standard Supports High-definition Video Plus Multi-channel Audio In A Single Cable.	Kramer	15	Nos			
27.7		Supply, Installation Testing & Commissioning of High-resolution, 75Ω 5 mini-coaxial cable perfect for routing RGBHV signals in commercial or residential AV systems	Kramer	300	Mtr			
27.8		Supply, Installation Testing & Commissioning of Equipment Rack 17U With 19 Inch Mounting Angles At Front Are Re-accessible, Easy To Manage For LAN and WAN Applications.	APW	1	Nos			
27.9		Supply, Installation Testing & Commissioning of 3KV Online UPS including 42AH Exide Batteries and Battery Rack	APC	1	Nos			
27.10		Supply, Installation Testing & Commissioning of Various Connector (e.g. XLR, RCA, EP, VGA etc.) and Casing & Capping	Various	1	Lot			
TOTAL FOR AUDIO & VIDEO SYSTEMS								

Annexure 8F: Data & Voice Connectivity & Fire Detection

	SL NO	SOR NO	DESCRIPTION	QUANTITY	UNIT	Rates (including Taxes)	Amount (including Taxes)
28	DATA						
	28.1	SB 16.4.1	Solid copper cable Cat 6, 4 pair, UTP-305 m Schneider/Legrand or equivalent make as approved by the department.	5.00	box		
	28.2	SB16.4.2	Patch Panel Cat 6 UTP Keystone 24 port Loaded Schneider/Legrand or equivalent make as approved by the department.	1.00	Nos.		
	28.3	SB16.4.3	Patch Cord Cat 6 UTPgrtey 1m Schneider/Legrand or equivalent make as approved by the department.	15	Each		
	28.4	SB16.4.4	Patch Cord Cat 6 UTP grtey 2m Schneider/Legrand or equivalent make as approved by the department.	15	Each		
	28.5	SB16.4.5	Cat 6Keystone UTP jack with dust cover white Schneider/Legrand or equivalent make as approved by the department.	30	Each		
	28.6	SB 16.2.4	2 KVa on line UPS system Orion or equivalent make with PWM-IGBT technology and 230 V AC input 1Ph input 1 Ph output with isolation transformer 1.6 Kw out put with 0.8 PF 30 min back up using SMF battery.	1	Each		
29	VOICE						
	29.1	SB.10.5	Supplying, installation, testing and commissioning of Hi path 1190 digital communication system equipped with the following 6 P & T ports - 30 extensions ports (upgradable to 140 extensions) Auto call back, built in FAX/DID, built in voice guided direct inward dialling 3 party conference in built caller ID 100% non-block, supports PRI/BRI (Siemens or equivalent make) as approved and directed by the department.	1	Each		
	29.2	SB 10.21	Supplying installation testing and commissioning of 5 pair unarmoured telephone cable through existing conduit system in recess.	115	Rm		

RFP for Selection of Contractor for Development of Office Space

	29.3	SB 10.22	Supplying installation testing and commissioning of 20 pair unarmoured telephone cable through existing conduit system in recess.	50	Rm		
	29.4	SB.10.9	Supply, installation and commissioning of Distribution boxes 20 pairs with kronos Siemens or equivalent make as approve and directed by department.	2	Each		
	29.5	SB.10.12	Supplying, installation and commissioning of digital profiset 3030 for one touch button and busy extension indicator Siemens or equivalent make as approve and directed by department.	2	Each		
	29.6	SB.10.14	Supplying, installation and commissioning of open stage 20T digital phone Siemens or equivalent make as approve and directed by department.	10	Each		
30	FIRE DETECTION						
	30.1	NS 42	Supply and fitting of battery operated Fire detector	12.00	Each		
	TOTAL FOR DATA & VOICE CONNECTIVITY & FIRE DETECTION						