

COCHIN PORT TRUST

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Tender No: T6/T-1980/2022-C Date: 05.01.2023- (PRICE BID)

Name of Work: "Renovation of Office rooms NAB 601 & NAB 605 of New Administration Block"

SCHEDULE- A- SCHEDULE OF QUANTITIES TO BE DONE ON CONTRACT							
Please Enter the Contractor Name							
Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
1	PART- 1 - RENOVATION OF OFFICE ROOM NO. NAB 601						
	Part-A- Civil Works						
1	Lifting and Moving Furniture and other movable items from the office and stacking in places shown by Engineer-in charge within the same floor or building with daily labour/ coolie 8 working hours including cost of all labour, tools etc. complete as per directions of Engineer-in-charge	4.00	Each	1002.97	Rupees One Thousand Two and Ninety Seven Paise Only	4011.88	Rupees Four Thousand Eleven and Eighty Eight Paise Only
2	Dismantling aluminium/ Gypsum false ceiling including disposal of unserviceable material and stacking of serviceable material within 50 meters lead including cost of all labour, tools etc. complete as per detailed specifications and directions of Engineer-in-charge	90.00	One Square Metre	57.08	Rupees Fifty Seven and Eight Paise Only	5137.20	Rupees Five Thousand One Hundred Thirty Seven and Twenty Paise Only

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3	Dismantling aluminium/ Gypsum wall panelling including disposal of unserviceable material and stacking of serviceable material within 50 meters lead including cost of all labour, tools etc. complete as per detailed specifications and directions of Engineer-in-charge.	108.00	One Square Metre	57.08	Rupees Fifty Seven and Eight Paise Only	6164.64	Rupees Six Thousand One Hundred Sixty Four and Sixty Four Paise Only
4	Dismantling aluminium and glass windows, fixed glazing including disposal of unserviceable material and stacking of serviceable material within the storage location inside same floor or building including cost of all labour, tools etc. complete as per detailed specifications and directions of Engineer - in-Charge	10.00	Each	1002.97	Rupees One Thousand Two and Ninety Seven Paise Only	10029.70	Rupees Ten Thousand Twenty Nine and Seventy Paise Only
5	Dismantling tile work in floors laid in cement mortar including stacking material within 50 metres lead, cost of all labour, tools, equipments etc. complete as per detailed specifications and directions of the Engineer-in-charge for thickness of tiles 10 mm to 25 mm	85.00	One Square Metre	74.54	Rupees Seventy Four and Fifty Four Paise Only	6335.90	Rupees Six Thousand Three Hundred Thirty Five and Ninety Paise Only

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6	<p>Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing</p>						

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	<p>perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with 12.5 mm thick tapered edge gypsum moisture resistant board board of Saint Gobain or approved equivalent and Steel sections of Expert or approved equivalent.</p>	65.10	One Square Metre	1747.99	<p>Rupees One Thousand Seven Hundred Forty Seven and Ninety Nine Paise Only</p>	113794.15	<p>Rupees One Lakh Thirteen Thousand Seven Hundred Ninety Four and Fourteen Paise Only</p>

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7	Providing Marine Plywood Ceiling using 16mm marine plywood with Veneer Lamination 3.5mm with approved wood finish as per design and direction. The boards are to be jointed and finished so as to have a flush look. Marine plywood to be suspended using necessary plywood or GI sections or wood as per design and direction. Veneer lamination to be fixed on to the plywood using nails, dry wall screws and Fevicol Heat X or similar glue including cost of all labour, materials, tools, equipments etc. complete as per directions of the Engineer-in-charge. Make of material- Marine Ply wood Century, Green Ply or approved equivalent and Veneer Lamination - Green, Jackson or approved similar.	29.32	One Square Metre	3820.00	Rupees Three Thousand Eight Hundred Twenty Only	112002.40	Rupees One Lakh Twelve Thousand Two and Forty Paise Only

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8	<p>Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with</p>						

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
	<p>weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately). Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm)</p> <p>Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.</p>	33.00	One Square Metre	9118.61	Rupees Nine Thousand One Hundred Eighteen and Sixty One Paise Only	300914.13	Rupees Three Lakh Nine Hundred Fourteen and Thirteen Paise Only
9	Design supply & installation of framed modular Glass Partition System (height up to 3000mm) using minimum 12mm thick toughened glass as per the drawing and technical specification. 12mm thick toughened glass shall be heat soaked. The glass joint shall be butt and finished with non staining silicon sealant as approved.	33.00	One Square Metre	3967.00	Rupees Three Thousand Nine Hundred Sixty Seven Only	130911.00	Rupees One Lakh Thirty Thousand Nine Hundred Eleven Only

Sl.No:	Sub- heads and items of work	Approxi-mate Quantity	Unit	Department al rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
10	Powered Rolling Zebra Blinds:-Supplying and fixing blinds including with motorized roilling with Remote control or switch-cost of all materials all labour charges as approved make and shade by the Engineer-In-Charge.	33.00	One Square Metre	2650.00	Rupees Two Thousand Six Hundred Fifty Only	87450.00	Rupees Eighty Seven Thousand Four Hundred Fifty Only
11	Providing flooring with Woodpanels (not less than 18mm thickness) for planing and smoothened surface using mechanical or manual means. Wood cut as planks of size as per approved design with n atural grains visible using Teak Wook (Imported) including cost of all labour, materials, tools, equipments etc. complete as per specifications and directions of the Engineer-in-charge.	88.00	One Square Metre	6890.00	Rupees Six Thousand Eight Hundred Ninety Only	606320.00	Rupees Six Lakh Six Thousand Three Hundred Twenty Only
12	Surface Preparation using Marine Plywood for wall panelling- Providing and fixing 12mm marine plywood board or equivalent make paneling12mmthick, to frame, backing or studding with screws etc. complete (including Frames, backing or studding) as per the direction of site Engineer-in-charge.	59.00	One Square Metre	1500.00	Rupees One Thousand Five Hundred Only	88500.00	Rupees Eighty Eight Thousand Five Hundred Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
13	Teak Wood Louvered Panelling- Providing and Fixing Teak Wood (imported) louvered panelling as per design upto height 2.1 meter. Plained finish with natural grains visible to fixed on to Multiwood back pane lusingnails, drywall screw, glue to look like design as per directions of the Engineer-in-charge.	59.00	One Square Metre	4829.00	Rupees Four Thousand Eight Hundred Twenty Nine Only	284911.00	Rupees Two Lakh Eighty Four Thousand Nine Hundred Eleven Only
14	CNC cutting Louver Design- Providing CNC cut louvered design on Teak wood panelling as per design including cost of all labour, equipment etc. complete as per directions of the Engineer-in-charge	59.00	One Square Metre	725.00	Rupees Seven Hundred Twenty Five Only	42775.00	Rupees Forty Two Thousand Seven Hundred Seventy Five Only
15	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 including cost of all labour, materials, tools, equipments etc. complete as per specifications and directions of the Engineer-in-charge.	92.00	One Square Metre	156.49	Rupees One Hundred Fifty Six and Forty Nine Paise Only	14397.08	Rupees Fourteen Thousand Three Hundred Ninety Seven and Eight Paise Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
16	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 including cost of all labour, materials, tools, equipments etc. complete as per specifications and directions of the Engineer-in-charge.	92.00	One Square Metre	81.54	Rupees Eighty One and Fifty Four Paise Only	7501.68	Rupees Seven Thousand Five Hundred One and Sixty Eight Paise Only
17	Wall painting with 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. Two coats including cost of all labour, materials, tools, equipments etc. complete as per specifications and directions of the Engineer-in-charge.	92.00	One Square Metre	154.79	Rupees One Hundred Fifty Four and Seventy Nine Paise Only	14240.68	Rupees Fourteen Thousand Two Hundred Forty and Sixty Eight Paise Only
18	Polishing Work Providing and applying matt/ semigloss finish polishing on wood work (one or more coat) including cost of all labour, Materials, tools equipments etc.complete as per directions of the Engineer-in-charge. On wall paneling, ceiling.	65.00	One Square Metre	1742.00	Rupees One Thousand Seven Hundred Forty Two Only	113230.00	Rupees One Lakh Thirteen Thousand Two Hundred Thirty Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
19	Polishing Work Providing and applying PU based MRF gloss finish polishing on wood work (one or more coat) including cost of all labour, Materials, tools, equipments etc. complete as per directions of the Engineer-in-charge. On Floor paneling.	88.00	One Square Metre	2555.00	Rupees Two Thousand Five Hundred Fifty Five Only	224840.00	Rupees Two Lakh Twenty Four Thousand Eight Hundred Forty Only
20	Senior manager table + Right side table + Left Side table (2.8 x 0.8 x 0.75 + 1.8 x 0.80 x 0.75 + 2.8 x 0.8 x 0.75m):-Fabricating, Supplying, Providing & Fixing Senior Manager Table of size 1.800 x 800 x 750mm with two side tables 2800 x 800 x 750 mm using 18mm marine ply wood. All exposed plywood faces to be finished in wooden panelling (Measured Separately) & inside faces to be in white laminate (0.8mm) finish. Storages with openable shutters Edges to be in edge band finished, providing all required hardwares etc. complete. with 5 drawers, cable manager 2nos, cable hole cut and cover 2nos, writing pad on surface etc..Handle (each upto 200/no), using high quality autoclose hinges and railings etc. Make: MarinePlywood-Century, GreenPly or approved similar. Lamination-Green or approved similar. Hardware- Ebcoo or approved similar	1.00	One Number	145000.00	Rupees One Lakh Forty Five Thousand Only	145000.00	Rupees One Lakh Forty Five Thousand Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
21	Providing Counter top using ONYX marble of thickness not less than 15mm available in local market (Ernakulam) -Colour black/ brown/ green including cost of all labour, materials, tools, equipments etc. complete as per directions of the Engineer-in-charge.	7.40	One Square Metre	49065.00	Rupees Forty Nine Thousand Sixty Five Only	363081.00	Rupees Three Lakh Sixty Three Thousand Eighty One Only
22	Teak Wood Louvered Panelling- Providing and Fixing Teak Wood (imported) louvered panelling as per design upto height 2.1 meter. Plained finish with natural grains visible to fixed on to Multiwood back pane lusingnails, drywall screw, glue to look like design as per directions of the Engineer-in-charge.	9.00	One Square Metre	4829.00	Rupees Four Thousand Eight Hundred Twenty Nine Only	43461.00	Rupees Forty Three Thousand Four Hundred Sixty One Only
23	CNC cutting Louver Design- Providing CNC cut louvered design on Teak wood panelling as per design including cost of all labour, equipment etc. complete as per directions of the Engineer-in-charge	9.00	One Square Metre	725.00	Rupees Seven Hundred Twenty Five Only	6525.00	Rupees Six Thousand Five Hundred Twenty Five Only
24	Providing storage counter behind Chairman's table 3400 x 450 x 750 using 18mm plywood out side wood panelling (measured seperately) and inside using 0.8 mm white lamination with swing opening doors using auto close hinges and profile handle as directed including cost of all labour, materials, tools, equipments etc. as per direction of Engineer-in-charge.	1.00	One number	55000.00	Rupees Fifty Five Thousand Only	55000.00	Rupees Fifty Five Thousand Only

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25	Teak Wood Louvered Panelling- Providing and Fixing Teak Wood (imported) louvered panelling as per design upto height 2.1 meter. Plained finish with natural grains visible to fixed on to Multiwood back pane lusingnails, drywall screw, glue to look like design as per directions of the Engineer-in-charge.	2.65	One Square Metre	4829.00	Rupees Four Thousand Eight Hundred Twenty Nine Only	12796.85	Rupees Twelve Thousand Seven Hundred Ninety Six and Eighty Five Paise Only
26	CNC cutting Louver Design- Providing CNC cut louvered design on Teak wood panelling as per design including cost of all labour, equipment etc. complete as per directions of the Engineer-in-charge	2.65	One Square Metre	725.00	Rupees Seven Hundred Twenty Five Only	1921.25	Rupees One Thousand Nine Hundred Twenty One and Twenty Five Paise Only
27	Providing Counter top using ONYX marble of thickness not less than 15mm available in local market (Ernakulam) -Colour black/ brown/ green including cost of all labour, materials, tools, equipments etc. complete as per directions of the Engineer-in-charge.	1.53	One Square Metre	49065.00	Rupees Forty Nine Thousand Sixty Five Only	75069.45	Rupees Seventy Five Thousand Sixty Nine and Forty Five Paise Only

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28	Book/ Display showcase as per design 3500x2100x600 size using 18mm plywood back, side with 8mm glass door with teak wood frame for top 4 doors, glass edge beveled (20mm or matching design), bottom unit with openable swing doors with louvered teak panels (measuredseperately) on front and inside with white lamination 0.8mm, centre unit open racks using 18mm plywood covered with teak wood vineer 0.35 mm on back and surface with spot lights etc complete.	1.00	One number	185000.00	Rupees One Lakh Eighty Five Thousand Only	185000.00	Rupees One Lakh Eighty Five Thousand Only
29	Teak Wood Louvered Panelling- Providing and Fixing Teak Wood (imported) louvered panelling as per design upto height 2.1 meter. Plained finish with natural grains visible to fixed on to Multiwood back pane lusingnails, drywall screw, glue to look like design as per directions of the Engineer-in-charge.	2.10	One Square Metre	4829.00	Rupees Four Thousand Eight Hundred Twenty Nine Only	10140.90	Rupees Ten Thousand One Hundred Forty and Ninety Paise Only
30	CNC cutting Louver Design- Providing CNC cut louvered design on Teak wood panelling as per design including cost of all labour, equipment etc. complete as per directions of the Engineer-in-charge	2.10	One Square Metre	725.00	Rupees Seven Hundred Twenty Five Only	1522.50	Rupees One Thousand Five Hundred Twenty Two and Fifty Paise Only
31	Antique model chair 2 set and round tea poy for coffee table area Teak wood	1.00	One Set	95000.00	Rupees Ninety Five Thousand Only	95000.00	Rupees Ninety Five Thousand Only

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32	3 + 2 seater sofa with coffee table as design teakwood, coffee table ply wood with teak wood finish and black tinted glass 5mm as directed by the Engineer-in-charge.	1.00	One Set	125000.00	Rupees One Lakh Twenty Five Thousand Only	125000.00	Rupees One Lakh Twenty Five Thousand Only
33	Corner Table for TV as per design and directions using 18mm plywood and teak wood finish as directed by the Engineer-in-charge	2.00	One Set	24000.00	Rupees Twenty Four Thousand Only	48000.00	Rupees Forty Eight Thousand Only
34	Chairman's Chairs:-Supplying and Providing in position Manager chair with Arm rests fixed PP with fiber, having Synchronized simple single lock / multi lock mechanism with Powder coated/ Electroplated TUV CLASS 4G as spring 120mm. Nylon Base with PU castors & Seat & back rest upholstered in PU leather. brand : Bosq or approved equivalent make.	1.00	One number	30000.00	Rupees Thirty Thousand Only	30000.00	Rupees Thirty Thousand Only
35	Visitors chair:-Supplying and Providing in position Visitors chair having Armrests fixed PP with fiber. 2.1mm thick, fixed round tube Powder coated/ electroplated chrome mild steel cantilever base with Seat & back upholstered in PU leather. Brand : BosQ or approved equivalent.	5.00	One number	16000.00	Rupees Sixteen Thousand Only	80000.00	Rupees Eighty Thousand Only

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36	Wooden Pillar as per Kerala antique looks hownin design near coffee area. Circular designed pillar with bottom girth larger than top with special design pillar head and base with solid block cladded with natural rock or rock like ready made cladding tile and copper ring like material on top to match the design. Wood used will be Teak wood (imported) carved manually or mechanically. (polish work calculated seperately)	2.00	One number	100000.00	Rupees One Lakh Only	200000.00	Rupees Two Lakh Only
37	Providing CNC cut Cochin Port Logo as per design and directions using Stainless Steel brushed finish as directed by the Engineer-in-charge.	1.00	One Set	72000.00	Rupees Seventy Two Thousand Only	72000.00	Rupees Seventy Two Thousand Only
	Total Part 1 A					3722984.39	
	Part-1-B- Electrical Works						
	Dismantling existing AC units						
28	Dismantling existing AC units ,sealing existng vent pipes ,removing gas using vaccum suction and making ready for moving and stacking to different location	LS				10000.00	Rupees Ten Thousand Only
39	Dismantling existing AC vents from false ceiling ,cutting of copper pipes,removing gas using vaccum suction and making ready for moving and stacking to different location using skilled labours	LS				7500.00	Rupees Seven Thousand Five Hundred Only
	Dismantling Existing Electrical connection and Fittings						

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40	All Lights, All electrical switches , sockets, Network devices,Televisions,Telephones etc. Bypassing from DBs. Drawing out existing wires above ceiling and stacking in same floor or building as per engineer-in-charge instruction with daily skilled (electricians) labour	6.00	One Number	1200.00	Rupees One Thousand Two Hundred Only	7200.00	Rupees Seven Thousand Two Hundred Only
	Rolling Blinds Powered						
41	Power Motor for rolling Zebra blinds- motor for every 3 meter length ,smooth rolling and stop at any point or non stop rolling up or down using single remote (1 remote = 2500/- can control upto 15 motors)	5.00	One Number	22500.00	Rupees Twenty Two Thousand Five Hundred Only	112500.00	Rupees One Lakh Twelve Thousand Five Hundred Only
42	Remote for Blinds-IR based remote for rolling Zebra blinds	1.00	One Number	2500.00	Rupees Two Thousand Five Hundred Only	2500.00	Rupees Two Thousand Five Hundred Only
	Electrical						
	CABLING						
	Supply, laying & commissioning of XLPE insulated 1.1kV grade armoured Copper cables for the following sizes and laying.						
43	4cx 70sq mm	25.00	One Metre	730.00	Rupees Seven Hundred Thirty Only	18250.00	Rupees Eighteen Thousand Two Hundred Fifty Only

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44	3.5cx35 sqm mm	35.00	One Metre	535.00	Rupees Five Hundred Thirty Five Only	18725.00	Rupees Eighteen Thousand Seven Hundred Twenty Five Only
45	4C x 6Sq.mm	68.00	One Metre	243.00	Rupees Two Hundred Forty Three Only	16524.00	Rupees Sixteen Thousand Five Hundred Twenty Four Only
46	2cx4 sqmm	22.00	One Metre	210.00	Rupees Two Hundred Ten Only	4620.00	Rupees Four Thousand Six Hundred Twenty Only
	TERMINATION						
	Supply and carrying out cable end terminations for the following cables using single compression brass cable gland, compression type Copper crimping lugs, gland earthing of adequate size, etc. complete.						
47	3.5CX35 sq mm	2.00	One Number	820.00	Rupees Eight Hundred Twenty Only	1640.00	Rupees One Thousand Six Hundred Forty Only
48	3.5 Cx 70 sq mm	2.00	One Number	920.00	Rupees Nine Hundred Twenty Only	1840.00	Rupees One Thousand Eight Hundred Forty Only

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49	2cx 4 sq mm	4.00	One Number	250.00	Rupees Two Hundred Fifty Only	1000.00	Rupees One Thousand Only
50	4C x 6Sq.mm	4.00	One Number	373.52	Rupees Three Hundred Seventy Three and Fifty Two Paise Only	1494.08	Rupees One Thousand Four Hundred Ninety Four and Eight Paise Only
	EARTHING						
	Supply, installation & connecting of Cu. strip/wire being clamped to walls, cable trays, ladders, run in pipes, laid underground etc.,as required including interconnection between the earth stations etc.,all complete as required.						
51	Copper wire No. 10 SWG	130.00	One Metre	146.16	Rupees One Hundred Forty Six and Sixteen Paise Only	19000.80	Rupees Nineteen Thousand and Eighty Paise Only
	CIRCUIT MAIN						

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	Supply, laying, testing and commissioning of wiring with FR PVC insulated stranded copper conductor wire 660 /1100 V grade in existing surface /recessed conduit including ferruling, terminations at both ends with suitable lugs, hylem pull box cover etc. complete as required for following: Apartment						
52	2x 2.5 sq.mm + 1x2.5 sq.mm(earth)copper wires in 20 mm dia conduit (Lighting)	320.00	One Metre	199.52	Rupees One Hundred Ninety Nine and Fifty Two Paise Only	63846.40	Rupees Sixty Three Thousand Eight Hundred Forty Six and Forty Paise Only
	Supply, laying, testing and commissioning of wiring with FR PVC insulated stranded copper conductor wire 660 /1100 V grade in 20mm pvc conduit including ferruling, terminations at both ends with suitable lugs, hylem pull box cover etc. complete as required for following:						
53	2 x 1.5 sq.mm + 1 x 1.5 sq.mm (earth) copper wires in 20 mm dia conduit (Lighting)	320.00	One Metre	139.20	Rupees One Hundred Thirty Nine and Twenty Paise Only	44544.00	Rupees Forty Four Thousand Five Hundred Forty Four Only
	DISTRIBUTION BOARD						

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	Supply, Installation, Testing and Commissioning of following double door(metal door) MCB DB's with necessary insulated tinned copper bus bars, interconnections, earthing and neutral terminal blocks, circuit name plate etc. DB's shall be installed flush with the wall with necessary terminal boxes for the incoming with following MCB's/RCBO/MCB Isolator and giving complete connections.						
54	6 way VTPN MCcB DB with 100A 4 POLE mccb as incomer and , Outgoing with ,63A-16A MCB .	1.00	One Number	42500.00	Rupees Forty Two Thousand Five Hundred Only	42500.00	Rupees Forty Two Thousand Five Hundred Only
55	6 way TPN MCB DB with 40A 30mA 4 POLE RCBO as incomer and , Outgoing with 6A SP MCB ,20A SP MCB ,10A SP MCB	1.00	One Number	31088.00	Rupees Thirty One Thousand Eighty Eight Only	31088.00	Rupees Thirty One Thousand Eighty Eight Only
56	8 way SPN MCB DB With 25A 30mA 2 Pole RCBO as Incomer and 6A -16A SP MCB as outgoing.	2.00	One Number	12580.00	Rupees Twelve Thousand Five Hundred Eighty Only	25160.00	Rupees Twenty Five Thousand One Hundred Sixty Only
	Supply and installation of the following Isolators in outdoor enclosures						

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57	25A 4 pole isolator	2.00	One Number	4930.00	Rupees Four Thousand Nine Hundred Thirty Only	9860.00	Rupees Nine Thousand Eight Hundred Sixty Only
	Supply and fixing of modular type switches and sockets in standard metal box/PVC box with front plate concealed on wall and giving connection complet.						
58	1 Nos 6A Socket + 1 Nos 6A Switch	25.00	One Number	750.00	Rupees Seven Hundred Fifty Only	18750.00	Rupees Eighteen Thousand Seven Hundred Fifty Only
59	1 Nos 16A Socket + 1 Nos 16A Switch	2.00	One Number	900.00	Rupees Nine Hundred Only	1800.00	Rupees One Thousand Eight Hundred Only
60	1No 2 way switch	8.00	One Number	285.00	Rupees Two Hundred Eighty Five Only	2280.00	Rupees Two Thousand Two Hundred Eighty Only
	DATA						
61	Supply and laying of CAT6 cable through 20mm pvc conduit	430.00	One Metre	165.00	Rupees One Hundred Sixty Five Only	70950.00	Rupees Seventy Thousand Nine Hundred Fifty Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
62	Supply of RJ-45 I/o port for data	15.00	One Number	750.00	Rupees Seven Hundred Fifty Only	11250.00	Rupees Eleven Thousand Two Hundred Fifty Only
63	Supply and installation of 20w Round Surface mounted LED Panel,PDC Aluminium Housing and high Translucent Frosted Plastic Diffuser ceiling light (PANASONIC IGNITOS MODAN STEP PANEL or eqvt.)	15.00	One Number	2610.00	Rupees Two Thousand Six Hundred Ten Only	39150.00	Rupees Thirty Nine Thousand One Hundred Fifty Only
64	Supply and installation of 6 Watts round LED spot (focus) light, metal body, light colour- warm white	6.00	One Number	1200.00	Rupees One Thousand Two Hundred Only	7200.00	Rupees Seven Thousand Two Hundred Only
65	Supply and installation of 15w Round Surface mounted LED Panel,PDC Aluminoium Housing and high Translucent Frosted Plastic Diffuser ceiling light (PANASONIC IGNITOS MODAN STEP PANEL or eqvt.)	4.00	One Number	1850.00	Rupees One Thousand Eight Hundred Fifty Only	7400.00	Rupees Seven Thousand Four Hundred Only
66	Supply and installation of 25 W LED strip including driver and all accessories.	15.00	One Metre	520.00	Rupees Five Hundred Twenty Only	7800.00	Rupees Seven Thousand Eight Hundred Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
67	Supply 2KVA of single phase online Ups with all accessories with 3 Hr Back UP for Lights and 6A sockets	1.00	One Number	75480.00	Rupees Seventy Five Thousand Four Hundred Eighty Only	75480.00	Rupees Seventy Five Thousand Four Hundred Eighty Only
	HVAC						
68	One outdoor with Multiple Indoor						
	Supply, Installation, testing and comissioning of Dual Smart Inverter VRF unit (Cooling only), suitable for connecting multiple units with single circuit of multiple module having inverter compressor (all unit shall be provided with inverter Asymmetric Algebraic scroll for better compression ration) , special pre-coated fins, panel, corrosion resistant & hydrophillic treatment coated condenser, variable speed based condenser fan, electrical & microprocessor panel, isolating valves, factory/site gas charged,vibration isolators ,,vibration isolators and TOP/ Front discharge Condenser fans of following capacity						

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
	All unit shall be with hybrid heat exchangers combination of slit type and corrugate type for ensuring equal amount air flow through complete surface area of the condenser unit and capable of automatic oil balancing,						
	All Outdoor Unit PCB shall be cooled with refrigerant for better performance at higher ambient area and with automatic gas leak detection and protect the gas by automatic pumpdown						
	6 HP	2.00	One Number	210000.00	Rupees Two Lakh Ten Thousand Only	420000.00	Rupees Four Lakh Twenty Thousand Only
	Indoor Unit						

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
69	Supply of new factory supplied Four Way Cassette units of capacities mentioned below. The indoor unit shall be suitable for ceiling suspension and with washable filter ,electric motor, blowerand with booster fan with low noise level,vibration isolators ,cooling coils, Drain Pump microprocessor based control panel , Units are suitable for covering 100% all the area leaving no hot spots Make: Bluestar,Daikin,Samsung						
	2 tr	4.00	One Number	88500.00	Rupees Eighty Eight Thousand Five Hundred Only	354000.00	Rupees Three Lakh Fifty Four Thousand Only
70	Supply of Refnet joints	2.00	One Number	5664.00	Rupees Five Thousand Six Hundred Sixty Four Only	11328.00	Rupees Eleven Thousand Three Hundred Twenty Eight Only
71	Supply of Wireless Remote Control for Unit	4.00	One Number	2500.00	Rupees Two Thousand Five Hundred Only	10000.00	Rupees Ten Thousand Only
	Ancillary work of Felxi system (VRF)						

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
72	lifting, shifting, Installation, testing and commissioning of the supplied outdoor unit and vacuumizing the pipe with pressure testing and commissioning of the system						
	HP	2.00	HP	10000.00	Rupees Ten Thousand Only	20000.00	Rupees Twenty Thousand Only
73	lifting, shifting, Installation, testing and commissioning of the supplied indoor unit and vacuumizing the pipe with pressure testing and commissioning of the system						
	Four way Cassette Unit	4.00	One Number	7500.00	Rupees Seven Thousand Five Hundred Only	30000.00	Rupees Thirty Thousand Only
	Copper refrigerant piping complete with insulation and Proper piping supports(Clamping with Rubber Gasket) assuming the machines are placed next floor terrace						
74	6.4mm dia ,18 guage (soft piping)	30.00	One Metre	800.00	Rupees Eight Hundred Only	24000.00	Rupees Twenty Four Thousand Only

Sl.No:	Sub- heads and items of work	Approxi-mate Quantity	Unit	Department al rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
75	9.5 mm dia ,18 guage Hard piping	30.00	One Metre	1050.00	Rupees One Thousand Fifty Only	31500.00	Rupees Thirty One Thousand Five Hundred Only
76	15.9 mm dia ,18 guage (hard)	15.00	One Metre	1350.00	Rupees One Thousand Three Hundred Fifty Only	20250.00	Rupees Twenty Thousand Two Hundred Fifty Only
77	22.2 mm dia ,18 Guage (Hard)	15.00	One Metre	1800.00	Rupees One Thousand Eight Hundred Only	27000.00	Rupees Twenty Seven Thousand Only
78	Supply and installation of communication shielded cable with PVC conduit (fire rated)between indoor unit and outdoor unit	20.00	One Metre	450.00	Rupees Four Hundred Fifty Only	9000.00	Rupees Nine Thousand Only
79	Supplhy and installation of Power Cable from the DP socket to indoor unit with accessories for indoor units (Considered 2 meter for each unit)	20.00	One Metre	425.00	Rupees Four Hundred Twenty Five Only	8500.00	Rupees Eight Thousand Five Hundred Only
	Supply and installation of CPVC condensate drain piping of complete with "U" trap, fittings and elbows from the indoor unit point to the nearest drain point.						

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
80	32mm Dia	20.00	One Metre	420.00	Rupees Four Hundred Twenty Only	8400.00	Rupees Eight Thousand Four Hundred Only
81	25mm Dia	20.00	One Metre	345.00	Rupees Three Hundred Forty Five Only	6900.00	Rupees Six Thousand Nine Hundred Only
82	Supply and Installation of Floor mounting MS Stands for outdoor units for VRF outdoor unit	2.00	One Number	7500.00	Rupees Seven Thousand Five Hundred Only	15000.00	Rupees Fifteen Thousand Only
83	Supply and charging of additional gas if required - R410a gas - based on site condition	20.00	One Kilogram	1500.00	Rupees One Thousand Five Hundred Only	30000.00	Rupees Thirty Thousand Only
	Electronics Items						
	Dekstop PC (proposal)						
84	Supply and installation of Intel Core i5 Processor, 4GB, 500GB HDD, Windows 10 Pro.3yrs Warranty.Approved Make :Intel NUC/RDP	1.00	One Number	61525.00	Rupees Sixty One Thousand Five Hundred Twenty Five Only	61525.00	Rupees Sixty One Thousand Five Hundred Twenty Five Only
	LED TV						
85	Supply and installation of LED TV 55" (Samsung 55AU7700 or similar) in location as shown in design- Brand Samsung/LG/Sony	2.00	One Number	71500.00	Rupees Seventy One Thousand Five Hundred Only	143000.00	Rupees One Lakh Forty Three Thousand Only
	LED Monitor						

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
86	Supply and installation of LED Monitor 24" (Samsung LF24T352FHWXXL or similar) in location as shown in design- Brand: Samsung/HP	2.00	One Number	12650.00	Rupees Twelve Thousand Six Hundred Fifty Only	25300.00	Rupees Twenty Five Thousand Three Hundred Only
	Telephone						
87	Supply, Installation, Testing, Commissioning of 8 analogue phone with exchanger with 20 one touch dialler as per the spec Acceptable Make :Panasonic/Beetel/Bittel/Sintel	1.00	One Number	12000.00	Rupees Twelve Thousand Only	12000.00	Rupees Twelve Thousand Only
	Total Part 1-B					1949555.28	Rupees Nineteen Lakh Forty Nine Thousand Five Hundred Fifty Five and Twenty Eight Paise Only
2	PART- 2- RENOVATION OF OFFICE ROOM NO. NAB 601						
	Part-2-A- Civil Works						

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
1	Lifting and Moving Furniture and other movable items from the office and stacking in places hown by Engineer-in charge within the same floor or building with daily labour/ coolie 8 working hours including cost of all labour, tools etc. complete as per directions of Engineer-in-Charge.	4.00	Each	1002.97	Rupees One Thousand Two and Ninety Seven Paise Only	4011.88	Rupees Four Thousand Eleven and Eighty Eight Paise Only
2	Dismantling aluminium/ Gypsum false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead including cost of all labour, tools etc. complete as per detailed specifications and directions of Engineer-in-charge.	68.00	One Square Metre	57.08	Rupees Fifty Seven and Eight Paise Only	3881.44	Rupees Three Thousand Eight Hundred Eighty One and Forty Four Paise Only
3	Dismantling aluminium/ Gypsum wall panelling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead including cost of all labour, tools etc. complete as per detailed specifications and directions of Engineer-in-charge.	108.00	One Square Metre	57.08	Rupees Fifty Seven and Eight Paise Only	6164.64	Rupees Six Thousand One Hundred Sixty Four and Sixty Four Paise Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
4	Dismantling aluminium and glass windows, fixed glazing including disposal of unserviceable material and stacking of serviceable material within the storage location inside same floor or building including cost of all labour, tools etc. complete as per detailed specifications and directions of Engineer - in-Charge	10.00	Each	1002.97	Rupees One Thousand Two and Ninety Seven Paise Only	10029.70	Rupees Ten Thousand Twenty Nine and Seventy Paise Only
5	Dismantling tile work in floors laid in cement mortar including stacking material within 50 metres lead, cost of all labour, tools, equipments etc. complete as per detailed specifications and directions of the Engineer-in-charge for thickness of tiles 10 mm to 25 mm	85.00	One Square Metre	74.54	Rupees Seventy Four and Fifty Four Paise Only	6335.90	Rupees Six Thousand Three Hundred Thirty Five and Ninety Paise Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
6	<p>Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing</p>						

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
	<p>perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with 12.5 mm thick tapered edge gypsum moisture resistant board board of Saint Gobain or approved equivalent and Steel sections of Expert or approved equivalent.</p>	68.00	One Square Metre	1747.99	<p>Rupees One Thousand Seven Hundred Forty Seven and Ninety Nine Paise Only</p>	118863.32	<p>Rupees One Lakh Eighteen Thousand Eight Hundred Sixty Three and Thirty Two Paise Only</p>

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
7	Louveredpanelling(WPC):- Providing and fixing louvered wall panelling with approved make Wood polymer Compound (WPC) louvers of size 8ft x 5 inch thickness 12mm at conference room ceiling and wall areaincluding cost of all materials all labour charges and scaffolding etc. complete as per direction of Engineer-in-Charge. (Only flat area measurement will be considered for payment).	5.85	One Square Metre	7140.00	Rupees Seven Thousand One Hundred Forty Only	41769.00	Rupees Forty One Thousand Seven Hundred Sixty Nine Only
8	Providing Gypsum board cove / Recessed Ceiling area with 12mm gypsum board with GI frame work using required sections. The boards are to be jointed and finished so as to have a flush look which includes finishing works such as filling and finishing square edges of the boards with jointing compound and joint Fiber Tape for joint finish including cost of all labour, materials, tools, equipments etc. complete as per the direction of the Engineer-in -charge.	35.00	One Metre	540.00	Rupees Five Hundred Forty Only	18900.00	Rupees Eighteen Thousand Nine Hundred Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
9	<p>Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with</p>						

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
	<p>weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealent shall be paid separately). Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm)</p> <p>Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.</p>	29.40	One Square Metre	9118.61	Rupees Nine Thousand One Hundred Eighteen and Sixty One Paise Only	268087.13	Rupees Two Lakh Sixty Eight Thousand Eighty Seven and Thirteen Paise Only
10	Design supply & installation of framed modular Glass Partition System (height up to 3000mm) using minimum 12mm thick toughened glass as per the drawing and technical specification. 12mm thick toughened glass shall be heat soaked. The glass joint shall be butt and finished with non staining silicon sealant as approved.	29.00	One Square Metre	3967.00	Rupees Three Thousand Nine Hundred Sixty Seven Only	115043.00	Rupees One Lakh Fifteen Thousand Forty Three Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
11	Powered Rolling Zebra Blinds:-Supplying and fixing blinds including with motorized roilling with Remote control or switch-cost of all materials all labour charges as approved make and shade by the Engineer-In-Charge.	29.00	One Square Metre	2650.00	Rupees Two Thousand Six Hundred Fifty Only	76850.00	Rupees Seventy Six Thousand Eight Hundred Fifty Only
12	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make (Simplolo, Nitro, Somany , Cera or approved equivalent make), in approved colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of tile not less than 1600mm x 800mm.	63.08	One Square Metre	3396.58	Rupees Three Thousand Three Hundred Ninety Six and Fifty Eight Paise Only	214256.27	Rupees Two Lakh Fourteen Thousand Two Hundred Fifty Six and Twenty Six Paise Only
13	Louveredpanelling(WPC):- Providing and fixing louvered wall panelling with approved make Wood polymer Compound (WPC) louvers of size 8ft x 5 inch thickness 12mm at conference room ceiling and wall area including cost of all materials all labour charges and scaffolding etc. complete as per direction of Engineer-in-Charge. (Only flat area measurement will be considered for payment).	44.00	One Square Metre	7140.00	Rupees Seven Thousand One Hundred Forty Only	314160.00	Rupees Three Lakh Fourteen Thousand One Hundred Sixty Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
14	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 including cost of all labour, materials, tools, equipments etc. complete as per specifications and directions of the Engineer-in-charge.	92.00	One Square Metre	156.49	Rupees One Hundred Fifty Six and Forty Nine Paise Only	14397.08	Rupees Fourteen Thousand Three Hundred Ninety Seven and Eight Paise Only
15	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 including cost of all labour, materials, tools, equipments etc. complete as per specifications and directions of the Engineer-in-charge.	92.00	One Square Metre	81.54	Rupees Eighty One and Fifty Four Paise Only	7501.68	Rupees Seven Thousand Five Hundred One and Sixty Eight Paise Only
16	Wall painting with 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. Two coats including cost of all labour, materials, tools, equipments etc. complete as per specifications and directions of the Engineer-in-charge.	92.00	One Square Metre	154.79	Rupees One Hundred Fifty Four and Seventy Nine Paise Only	14240.68	Rupees Fourteen Thousand Two Hundred Forty and Sixty Eight Paise Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
17	Senior manager table + Right side table + Left Side table (2.8 x 0.8 x 0.75 + 1.8 x 0.80 x 0.75 + 2.8 x 0.8 x 0.75m):-Fabricating, Supplying, Providing & Fixing Senior Manager Table of size 1.800x800x750mm with two side tables 2800x800x750mm using 18mm marine plywood. All exposed plywood faces to be finished in wooden panelling (Measured Separately) & inside faces to be in white laminate (0.8mm) finish. Storages with openable shutters Edges to be in edge band finished, providing all required hardwares etc. complete. with 5 drawers, cable manager 2nos, cable hole cut and cover 2nos, writing pad on surface etc..Handle (each upto 200/no), using high quality autoclose hinges and railings etc. Make: Marine Plywood-Century, Green Ply or approved similar. Lamination-Green or approved similar. Hardware- Ebcoo or approved similar	1.00	One Number	130000.00	Rupees One Lakh Thirty Thousand Only	130000.00	Rupees One Lakh Thirty Thousand Only
18	Providing Counter top using ITALIAN marble of thickness not less than 15mm available in local market (Ernakulam) -Colour black/ brown/ green including cost of all labour, materials, tools, equipments etc. complete as per directions of the Engineer-in-charge.	6.16	One Square Metre	13912.00	Rupees Thirteen Thousand Nine Hundred Twelve Only	85697.92	Rupees Eighty Five Thousand Six Hundred Ninety Seven and Ninety Two Paise Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
19	Storage counter behind Chairperson's table 4600 x 450 x 750 using 18mm plywood outside wood panelling lamination 1mm thick and inside using 0.8mm white lamination with swing opening doors using autoclose hinges and profile handle including cost of all labour, materials, tools, equipments etc. complete as per directions of the Engineer-in-charge.	1.00	One Number	75000.00	Rupees Seventy Five Thousand Only	75000.00	Rupees Seventy Five Thousand Only
20	Providing Counter top using ITALIAN marble of thickness not less than 15mm available in local market (Ernakulam) -Colour black/brown/ green including cost of all labour, materials, tools, equipments etc. complete as per directions of the Engineer-in-charge.	2.07	One Square Metre	13912.00	Rupees Thirteen Thousand Nine Hundred Twelve Only	28797.84	Rupees Twenty Eight Thousand Seven Hundred Ninety Seven and Eighty Four Paise Only
21	Providing Souvenir / Display show case as per design size using 18mm plywood back, side with 10 mm glass racks and inside with white lamination 0.8mm using 18mm plywood spotlights etc. complete including cost of all labour, materials, tools, equipments etc. complete as per the direction of the Engineer-in-charge.	1.00	One Number	25000.00	Rupees Twenty Five Thousand Only	25000.00	Rupees Twenty Five Thousand Only
22	TV fixing unit on to wall 2560x2100mm with 18mm marine plywood and 1mm lamination. Wood colour as per direction of the Engineer including cost of all labour, materials, tools, equipments etc. complete as per the direction of the Engineer-in-charge.	1.00	One Number	74000.00	Rupees Seventy Four Thousand Only	74000.00	Rupees Seventy Four Thousand Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
23	Providng Modern Coffee model chair 2set and round tea poy for coffee table area using Tealk wood including cost of all labour, materials, tools, equipments etc. complete as per directions of the Engineer-in-charge.	1.00	One Set	75000.00	Rupees Seventy Five Thousand Only	75000.00	Rupees Seventy Five Thousand Only
24	Providing 3+3 seater sofa using teakwood with coffee table with plywood with teak wood finish and black tinted glass 5mm as per design, including cost of all labour, materials, tools, equipments etc. complete as per the direction of the Engineer-in-charge.	1.00	One Set	140000.00	Rupees One Lakh Forty Thousand Only	140000.00	Rupees One Lakh Forty Thousand Only
25	DyChairman'sChairs:- Supplying and Providing in position Manager chair with Arm rests fixed PP with fiber, having Synchronized simple single lock/ multi lock mechanism with Powder coated/ Electroplated TUV CLASS 4G as spring 120mm. Nylon Base with PU castors & Seat & back rest upholstere din PU leather. Brand : Bosq or approved equivalent.	1.00	One Number	30000.00	Rupees Thirty Thousand Only	30000.00	Rupees Thirty Thousand Only
26	Visitorschair:- Supplying and Providing in position Visitors chair having Armrests fixed PP with fiber. 2.1mm thick, fixed round tube Powder coated/ electroplated chrome mildsteel cantilever base with Seat & back upholstere din PU leather. Brand - BosQ or approved equivalent.	5.00	One Number	16000.00	Rupees Sixteen Thousand Only	80000.00	Rupees Eighty Thousand Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
	Total part 2 A					1977987.48	Rupees Nineteen Lakh Seventy Seven Thousand Nine Hundred Eighty Seven and Forty Eight Paise Only
	PART- 2- RENOVATION OF OFFICE ROOM NO. NAB 601						
	Part-2-B- Electrical Works						
	Demolition						
	Dismantling existing AC units						
27	Dismantling existing AC units ,sealing existng vent pipes ,removing gas using vaccum suction and making ready for moving and stacking to different location	LS				10000.00	Rupees Ten Thousand Only
28	Dismantling existing AC vents from false ceiling ,cutting of copper pipes,removing gas using vaccum suction and making ready for moving and stacking to different location using skilled labours	LS				7500.00	Rupees Seven Thousand Five Hundred Only
	Dismantling Existing Electrical connection and Fittings						

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
29	All Lights, All electrical switches , sockets, Network devices, Televisions, Telephones etc . Bypassing from DBs. Drawing out existing wires above ceiling and stacking in same floor or building as per engineer-in-charge instruction with daily skilled (electricians) labour	6	labour	1200	Rupees One Thousand Two Hundred Only	7200.00	Rupees Seven Thousand Two Hundred Only
	Rolling Blinds Powered						
30	Power Motor for rolling Zebra blinds-motor for every 3 meter length ,smooth rolling and stop at any point or non stop rolling up or down using single remote (1 remote = 2500/- can control upto 15 motors) Brand: sonphy	5	One Number	22500	Rupees Twenty Two Thousand Five Hundred Only	112500.00	Rupees One Lakh Twelve Thousand Five Hundred Only
31	Remote for Blinds-IR based remote for rolling Zebra blinds	1	One Number	2500	Rupees Two Thousand Five Hundred Only	2500.00	Rupees Two Thousand Five Hundred Only
	Electrical						
	CABLING						
	Supply, laying & commissioning of XLPE insulated 1.1kV grade armoured Copper cables for the following sizes and laying.						

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
32	4C x 6Sq.mm	47	One Metre	244	Rupees Two Hundred Forty Three and Sixty Paise Only	11449.20	Rupees Eleven Thousand Four Hundred Forty Nine and Twenty Paise
33	3.5C X 35 sq mm	28	One Metre	535	Rupees Five Hundred Thirty Five Only	14980.00	Rupees Fourteen Thousand Nine Hundred Eighty Only
34	2C X 4 Sq Mm	24	One Metre	210	Rupees Two Hundred Ten Only	5040.00	Rupees Five Thousand Forty Only
	TERMINATION						
	Supply and carrying out cable end terminations for the following cables using single compression brass cable gland, compression type Copper crimping lugs, gland earthing of adequate size, etc. complete.						
35	4C x 6Sq.mm	2	One Number	374	Rupees Three Hundred Seventy Three and Fifty Two Paise Only	747.04	Rupees Seven Hundred Forty Seven and Four Paise Only
36	3.5CX35 sq mm	2	One Number	820	Rupees Eight Hundred Twenty Only	1640.00	Rupees One Thousand Six Hundred Forty Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
37	2cx 4sq mm	4	One Number	250.00	Rupees Two Hundred Fifty Only	1000.00	Rupees One Thousand Only
	EARTHING						
	Supply, installation & connecting of Cu. strip/wire being clamped to walls, cable trays, ladders, run in pipes, laid underground etc.,as required including interconnection between the earth stations etc.,all complete as required.						
38	Copper wire No. 10 SWG	132	One Metre	146.16	Rupees One Hundred Forty Six and Sixteen Paise Only	19293.12	Rupees Nineteen Thousand Two Hundred Ninety Three and Twelve
	CIRCUIT MAIN						
39	Supply, laying, testing and commissioning of wiring with FR PVC insulated stranded copper conductor wire 660 /1100 V grade in existing surface /recessed conduit including ferruling, terminations at both ends with suitable lugs, hylem pull box cover etc. complete as required for following: Apartment						

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
	2x 2.5 sq.mm + 1x2.5 sq.mm (earth) copper wires in 20 mm dia conduit (Lighting)	320	Mtr	199.52	Rupees One Hundred Ninety Nine and Fifty Two Paise Only	63846.40	Rupees Sixty Three Thousand Eight Hundred Forty Six and Forty Paise Only
40	Supply, laying, testing and commissioning of wiring with FR PVC insulated stranded copper conductor wire 660 /1100 V grade in 20mm pvc conduit including ferruling, terminations at both ends with suitable lugs, hylem pull box cover etc. complete as required for following:					0.00	
	2x 1.5 sq.mm + 1x1.5 sq.mm (earth) copper wires in 20 mm dia conduit (Lighting)	220	Mtr	139.20	Rupees One Hundred Thirty Nine and Twenty Paise Only	30624.00	Rupees Thirty Thousand Six Hundred Twenty Four Only
	DISTRIBUTION BOARD					0.00	

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
	Supply, Installation, Testing and Commissioning of following double door(metal door) MCB DB's with necessary insulated tinned copper bus bars, interconnections, earthing and neutral terminal blocks, circuit name plate etc. DB's shall be installed flush with the wall with necessary terminal boxes for the incoming with following MCB's/RCBO/MCB Isolator and giving complete connections.					0.00	
41	4 way VTPN MCB DB with 40A 30mA 4 POLE RCBO as incomer and , Outgoing with ,25A-16A MCB .	0	One Number	0		0.00	
42	6 way TPN MCB DB with 40A 30mA 4 POLE RCBO as incomer and , Outgoing with 6A SP MCB ,20A SP MCB ,10A SP MCB	1	One Number	31088.00	Rupees Thirty One Thousand Eighty Eight Only	31088.00	Rupees Thirty One Thousand Eighty Eight Only
43	8 way SPN MCB DB With 25A 30mA 2 Pole RCBO as Incomer and 6A -16A SP MCB as outgoing.	2	One Number	12580.00	Rupees Twelve Thousand Five Hundred Eighty Only	25160.00	Rupees Twenty Five Thousand One Hundred Sixty Only
	Supply and fixing of modular type switches and sockets in standard metal box/PVC box with front plate concealed on wall and giving connection complet.						

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
44	1 Nos 6A Socket + 1 Nos 6A Switch	22	One Number	750.00	Rupees Seven Hundred Fifty Only	16500.00	Rupees Sixteen Thousand Five Hundred Only
45	1 Nos 16A Socket + 1 Nos 16A Switch	2	One Number	900.00	Rupees Nine Hundred Only	1800.00	Rupees One Thousand Eight Hundred Only
46	1No 6 A switch	10	One Number	285.00	Rupees Two Hundred Eighty Five Only	2850.00	Rupees Two Thousand Eight Hundred Fifty Only
	Data						
47	Supply and laying of CAT6 cable through 20mm pvc conduit	380	One Metre	165.00	Rupees One Hundred Sixty Five Only	62700.00	Rupees Sixty Two Thousand Seven Hundred Only
48	Supply of RJ-45 I/o port for data	15	One Number	750.00	Rupees Seven Hundred Fifty Only	11250.00	Rupees Eleven Thousand Two Hundred Fifty Only
	Supply and installation of the following Isolators in outdoor enclosures						
49	25A 4 pole isolator	2	One Number	4930.00	Rupees Four Thousand Nine Hundred Thirty Only	9860.00	Rupees Nine Thousand Eight Hundred Sixty Only
	light fixtures						

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
50	Supply and installation of 20w Round Surface mounted LED Panel,PDC Aluminoium Housing and high Translucent Frosted Plastic Diffuser ceiling light	11	One Number	2610.00	Rupees Two Thousand Six Hundred Ten Only	28710.00	Rupees Twenty Eight Thousand Seven Hundred Ten Only
51	Supply and installation of 6 Watts round LED spot (focus) light, metal body, light colour- warm white	6	One Number	1200.00	Rupees One Thousand Two Hundred Only	7200.00	Rupees Seven Thousand Two Hundred Only
52	Supply and installation of 25 W LED strip including driver and all accessories.	10	One Metre	520.00	Rupees Five Hundred Twenty Only	5200.00	Rupees Five Thousand Two Hundred Only
	Supply of 2 KV of single phase online Ups with all accessories with 3 Hr Back UP for Lights and 6A sockets	1	One Number	75480.00	Rupees Seventy Five Thousand Four Hundred Eighty Only	75480.00	Rupees Seventy Five Thousand Four Hundred Eighty Only
	HVAC						
	One outdoor with Multiple Indoor						

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
	Supply, Installation, testing and commissioning of Dual Smart Inverter VRF unit (Cooling only), suitable for connecting multiple units with single circuit of multiple module having inverter compressor (all unit shall be provided with inverter Asymmetric Algebraic scroll for better compression ratio) , special pre-coated fins, panel, corrosion resistant & hydrophillic treatment coated condenser, variable speed based condenser fan, electrical & microprocessor panel, isolating valves, factory/site gas charged,vibration isolators , vibration isolators and TOP/ Front discharge Condenser fans of following capacity						
	All unit shall be with hybrid heat exchangers combination of slit type and corrugate type for ensuring equal amount air flow through complete surface area of the condenser unit and capable of automatic oil balancing,						

Sl.No:	Sub- heads and items of work	Approxi-mate Quantity	Unit	Department al rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
	All Outdoor Unit PCB shall be cooled with refrigerant for better performance at higher ambient area and with automatic gas leak detection and protect the gas by automatic pumpdown						
54	4 HP	1	One Number	182900.00	Rupees One Lakh Eighty Two Thousand Nine Hundred Only	182900.00	Rupees One Lakh Eighty Two Thousand Nine Hundred Only
55	6 HP	1	One Number	210000.00	Rupees Two Lakh Ten Thousand Only	210000.00	Rupees Two Lakh Ten Thousand Only
	Indoor Unit						

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
	Supply of new factory supplied Four Way Cassette units of capacities mentioned below. The indoor unit shall be suitable for ceiling suspension and with washable filter ,electric motor, blowerand with booster fan with low noise level,vibration isolators ,cooling coils, Drain Pump microprocessor based control panel , Units are suitable for covering 100% all the area leaving no hot spots						
56	1.5 tr	2	One Number	80240.00	Rupees Eighty Thousand Two Hundred Forty Only	160480.00	Rupees One Lakh Sixty Thousand Four Hundred Eighty Only
57	2 tr	2	One Number	88500.00	Rupees Eighty Eight Thousand Five Hundred Only	177000.00	Rupees One Lakh Seventy Seven Thousand Only
58	Supply of Refnet joints	2	One Number	5664.00	Rupees Five Thousand Six Hundred Sixty Four Only	11328.00	Rupees Eleven Thousand Three Hundred Twenty Eight Only
59	Supply of Wireless Remote Control for Unit	4	One Number	2500.00	Rupees Two Thousand Five Hundred Only	10000.00	Rupees Ten Thousand Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
60	Ancillary work of Felxi system (VRF)						
	lifting, shifting, Installation, testing and commissioning of the supplied outdoor unit and vacuumizing the pipe with pressure testing and commissioning of the system						
61	HP	2	HP	10000.00	Rupees Ten Thousand Only	20000.00	Rupees Twenty Thousand Only
	lifting, shifting, Installation, testing and commissioning of the supplied indoor unit and vacuumizing the pipe with pressure testing and commissioning of the system						
62	Four way Cassette Unit	4	One Number	7500.00	Rupees Seven Thousand Five Hundred Only	30000.00	Rupees Thirty Thousand Only
	Copper refrigerant piping complete with insulation and Proper piping supports(Clamping with Rubber Gasket) assuming the machines are placed next floor terrace						
63	6.4mm dia ,18 guage (soft piping)	30	One Metre	800.00	Rupees Eight Hundred Only	24000.00	Rupees Twenty Four Thousand Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
64	9.5 mm dia ,18 guage Hard piping	30	One Metre	1050.00	Rupees One Thousand Fifty Only	31500.00	Rupees Thirty One Thousand Five Hundred Only
65	15.9 mm dia ,18 guage (hard)	15	One Metre	1350.00	Rupees One Thousand Three Hundred Fifty Only	20250.00	Rupees Twenty Thousand Two Hundred Fifty Only
66	22.2 mm dia ,18 Guage (Hard)	15	One Metre	1800.00	Rupees One Thousand Eight Hundred Only	27000.00	Rupees Twenty Seven Thousand Only
67	Supply and installation of communication shielded cable with PVC conduit (fire rated)between indoor unit and outdoor unit	20	One Metre	450.00	Rupees Four Hundred Fifty Only	9000.00	Rupees Nine Thousand Only
68	Supplhy and installation of Power Cable from the DP socket to indoor unit with accessories for indoor units (Considered 2 meter for each unit)	20	One Metre	425.00	Rupees Four Hundred Twenty Five Only	8500.00	Rupees Eight Thousand Five Hundred Only
	Supply and installation of CPVC condensate drain piping of complete with "U" trap, fittings and elbows from the indoor unit point to the nearest drain point.						
69	32mm Dia	20	One Metre	420.00	Rupees Four Hundred Twenty Only	8400.00	Rupees Eight Thousand Four Hundred Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
70	25mm Dia	20	One Metre	345.00	Rupees Three Hundred Forty Five Only	6900.00	Rupees Six Thousand Nine Hundred Only
71	Supply and Installation of Floor mounting MS Stands for outdoor units for VRF outdoor unit	2	One Number	7500.00	Rupees Seven Thousand Five Hundred Only	15000.00	Rupees Fifteen Thousand Only
72	Supply and charging of additional gas if required - R410a gas - based on site condition	20	One Kilogram	1500.00	Rupees One Thousand Five Hundred Only	30000.00	Rupees Thirty Thousand Only
	Electronics Items						
	Dekstop PC (proposal)						
73	Supply and installation of Intel Core i5 Processor, 4GB, 500GB HDD, Windows 10 Pro.3yrs Warranty.Approved Make :Intel NUC/RDP	1	One Number	61525.00	Rupees Sixty One Thousand Five Hundred Twenty Five Only	61525.00	Rupees Sixty One Thousand Five Hundred Twenty Five Only
	LED TV						
74	Supply and installation of LED TV 55" (Samsung 55AU7700 or similar) in location as shown in design- Brand	1	One Number	71500.00	Rupees Seventy One Thousand Five Hundred Only	71500.00	Rupees Seventy One Thousand Five Hundred Only
	LED Monitor						

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
75	Supply and installation of LED Monitor 24" (Samsung LF24T352FHWXXL or similar) in location as shown in design- Brand: Samsung/HP	2	One Number	12650.00	Rupees Twelve Thousand Six Hundred Fifty Only	25300.00	Rupees Twenty Five Thousand Three Hundred Only
	Telephone						
76	Supply, Installation, Testing, Commissioning of 8 analogue phone with exchanger with 20 one touch dialler as per the spec Acceptable Make :Panasonic/Beetel/Bittel/Sintel	1	One Number	12000.00	Rupees Twelve Thousand Only	12000.00	Rupees Twelve Thousand Only
	Total Part 2-B					1718700.76	Rupees Seventeen Lakh Eighteen Thousand Seven Hundred and Seventy Six Paise Only
	Total Part 1 + Part 2					9369227.91	Rupees Ninety Three Lakh Sixty Nine Thousand Two Hundred Twenty Seven and Ninety Paise Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
BIDDER'S QUOTING AREA							
				Departmental Estimated amount	Percentage quoted above/ below the Departmental Amount		Above/ Below
Percentage quoted above/ below the departmental amount shown in the above schedule					In Figures	In Words	
Notes : 1.The quotationer shall quote either plus or minus sign (eg: +5 or -5) and in figures and words 2. Only two decimal digits shall be accepted 3.quotationers shall also quote Above/ Below in words themselves in the last column. 4.In case of discepancy in words and figures the quoted figure in word will prevail				9369227.91			
" This is a Electronic Submission No Need of Signature"							