



**वाष्कोस लिमिटेड**  
**WAPCOS LIMITED**

(भारत सरकार का उपक्रम)  
जल संसाधन, नदी विकास व गंगा संरक्षण मंत्रालय  
(A Government of India Undertaking)  
Ministry of Water Resources, River Development & Ganga Rejuvenation

**ISO 9001: 2008**

- Consultancy Services
- Engineering, Procurement & Construction (EPC)

**NIT No.: WAP/CSEZ/H-3082/ADMIN/2017/25 dated November 11, 2017**

**NOTICE INVITING E-TENDER (NIT)**

**ADDITION AND ALTERATION WORKS OF CUSTOMS OFFICE  
IN CSEZ ADMIN BUILDING, KAKKANAD**

Cochin Special Economic Zone Authority (CSEZA), under the Ministry of Commerce and Industry, Government of India has appointed WAPCOS Limited, as '*Owner's Engineer*'. WAPCOS Limited, on behalf of CSEZA invites **E-Tender in Two Cover System** from eligible firms for "Addition and Alteration Works of Customs Office in CSEZ Admin Building, Kakkanad"

***Volume II***  
**Financial Bid**

**WAPCOS Limited**  
(A Government of India Undertaking)  
Project Office, Cochin Special Economic Zone,  
CSEZ Administrative Building,  
Kakkanad, Cochin – 682 037  
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**FINANCIAL PROPOSAL**

**ABSTRACT OF FINANCIAL PROPOSAL**

<b>Item No.</b>	<b>Description of item</b>	<b>Amount (INR)</b>
(A)	<b>BOQ-1 : Interior &amp; Furniture</b>	
(B)	<b>BOQ-2 : Civil Works</b>	
(C)	<b>BOQ-3 : Plumbing Works</b>	
(D)	<b>BOQ-4 : Electrical Works</b>	
(E)	<b>BOQ-5 : Air Conditioning Works</b>	
(F)	<b>BOQ-6: Network &amp; Telecommunication</b>	
	<b>Total*</b>	
	<b>GST *</b>	

**Notes:**

\* The GST shall be extra at the rate of .....% on the total quoted price if applicable, which amounts to total Rs..... (Rupees ..... Only)

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## A. BOQ–1: Interior & Furniture Works

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
I	PARTITION				
1	Providing and fixing fully glazed partition to detail as per drawing Full height partition - Glazed glass partition comprising of 12mm thick tempered edge polished glass to be fixed on U channel (MS powder coated 12mm x 19mm) in floor with normal rubber gasket. Cost of framework to hold glass above false ceiling will be measured separately. Cost to include openable teak wood beading at false ceiling level to hold glass. Also include cost of 3M crystalline etching film (35 area) of glass. size of beading shall be 12mm thick x 35mm finished with paint to match ceiling colour. Size of glass panel to be minimum 1000mm Length. Cost to include filling joints with silicon sealant where ever applicable. Glass height upto 2500 / 2650 mm based on location in single piece.	12.00	Sqm		
2	Providing and fixing of partition with aluminium framework with ply on one side painted finish above false ceiling till slab bottom	10.00	Sqm		
II	Doors				
1	Providing and fixing Double Glazed Door shutter (1000mm wide each shutter). Shutter made with 12 mm thick. Clear float tempered glass with mirror polished edges, 3M frosted film 33 (crystal quality). Also including 100x40mm thick teakwood top & bottom rails. The rate should be inclusive of all hardware viz floor spring, etc complete including SS handle (1200 mm ht & thickness as per manufacturer recommendation) for both leaves of shutter internal & external. Doors shall have necessary provisions for Access control as required.	1.00	No		

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
2	Providing and fixing Door (Single shutter of 900mm wide x 2100 on patch fitting - DORMA) / Shutter made with 12 mm thick. Clear float tempered glass with mirror polished edges, 3M frosted film 33 (crystal quality) complete as approved by architect. The rate should be inclusive of all hardware viz. Patch Set, floor spring etc.1200mm SS handle, complete with requisite holes for lock. (For access control doors the Floor spring shall be 130 degree locking type)	1.00	No		
3	Providing and fixing fully glazed main entrance door with fixed glazing on both side to detail as per drawing, with II class TW frame of size 100 x 60 mm with 150 x 40mm thick styles for top, bottom, and two vertical style. Single leaf glazed shutter of 12 mm thick clear float glass with etching fixed with necessary steams beach beadings. All frames and shutters to be polished with Melamine. 25mm dia & 600mm high Dorma make or equivalent SS Brush finish handle to be fixed on the both side of the Door. All necessary brass hardware fittings like Dorma make or equivalent floor springs, Godrej Dead lock, etc., fixed to the shutters.	QRO	No		
4	Supplying & fixing of factory made door frame for toilets manufactured by M/s Fimen Fibre Products Pvt. Ltd., or equivalent as per the specifications and direction of the Engineer in Charge	20.00	RM		
5	Supplying & fixing of factory made 30mm thick single shutter for toilets manufactured by M/s. Fimen Fibre Products Pvt. Ltd. Or equivalent as per the specifications and directions of Engineer in Charge The finish of the shutter be with grains and of approved colour	3.00	Nos.		

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
III	FALSE CEILING				
1	Gypsum board suspended ceiling with proprietary GI steel suspension system as recommended by mfr (INDIA GYPSUMSUM) frames & accessories, 12.5mm thick gypsum board sheets, screws, taping, joint grout finished with priming top coat & plastic emulsion paint (base putty & three coats) of color as per architects approval & manufacturer's instructions. The rate shall be inclusive of making cut- out for light fixtures, diffusers, grills etc and making good 12x12mm groove at all junctions of gypsum board ceiling/walls. Include proprietary GI corner bead as/detail and architect's approval. Note that all exposed vertical surfaces with this same specifications (irrespective of its height) shall be accounted in this item for measurements except cove / pelmet for window blinds / pelmet trough for AV screen.	110.00	Sqm		
2	Making 200 x 300mm cove as/detail in gypsum board and POP including plastic emulsion paint matching with gypsum ceiling as per architect's approval.. The rate shall be inclusive of necessary framework, making cut-out for light fixtures, bulkheads, internal & external vertical facia etc. complete. Cove section includes exposed L- Shaped gypsum work.	50.00	RM		
3	Window pelmets (200 x 200) in 19mm thick marine ply. Board with hardwood lipping, and fixed to ceiling with metal framing complete including painting (three coats with base primer & putty) with plastic emulsion paint. Paint to match shade of false ceiling. Rate to include paint. (Rate to include necessary extra hardwood frame where ever required & silicon joint where marine ply board meets window, glass partition or periphery curtain glass) & one layer of gypsum board cover. Pelmet to be fixed at false ceiling level.	50.00	RM		

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
4	GRID CEILING: Providing & fixing in position false ceiling in Armstrong 600x600 mm x15/16 mm Dune Supreme RH 99 Prima tile with Regular edge framework as specified by Armstrong Co. with suspenders wherever required. Making necessary framework for A.C. ducting, if any and necessary cutouts for diffusers and light fittings, taping and finishing to proper line & level, including making grooves and trap doors for A.C. unit in 18mm thick M.R. Grade Plywood with with stainless Steel hinges & locks with moulding 1"x1" for edges including finishing with White Plastic Emulsion Paint etc. complete in all respects. (Note:- Only the plan area will be measured for payment. No extra payment will be made for cutout, grooves, mouldings etc.)	50.00	Sqm		
IV	WALL FINISHES				
1	Providing & applying in position 3M crystal film on glazing. Or Colored Transparent film of Lumar or equivalent make	5.00	Sqm		
2	Wall Papers - Supplying & laying wall papers on walls / partitions / RCC columns after making the subfloor neat & clean. Wall paper's basic cost of wall paper shall be 90/sqft. Wall papers shall be vinyl backed and as per architect's selection.	15.00	Sqm		
3	Wooden Floor Panel Cladding - Providing and wooden floor panels as per the selection of the architect at locations as indicated on the drawings fixed on base 12mm ply as theme panels. (Infloor or equivalent) Basic Cost of Wooden Floor Rs. 150 per sqft	10.00	Sqm		
4	4mm veneer panelling out of selected approved veneer duly melamine polished to approval. The cost of veneer panelling to be inclusive of 8mm plies backing to the veneer. (Basic Cost of veneer Rs. 35 Per sqft + tax)	QRO	Sqm		

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
5	1mm Laminate panelling as per selected shade of laminate. Cost to be for only laminate supply and fixing.	90.00	Sqm		
6	Lacquer back Glass panelling - 6mm thick Glass panelling using Saint gobain lacquer back glass. Laccquer coating to be white color and the glass used to be extra clear glass. (for writing glass white boards). Cost to be inclusive of 6mm ply backing to glass	10.00	Sqm		
7	Providing and Fixing 100mm High Skirting as per the following specifications P/F 12 X 100mm high melamine polished Wood Veneer skirting - as per details and instructions of the architect. Cost of scantling & support should not be included in cost of skirting. Skirting to be stuck with silicon. Cost to include 8mm Ply backing to veneer.	50.00	RM		
8	Fabric paneling - Providing and fixing soft board panelling with Salotex board having TW lipping beading before the fixing of the fabric to achieve a neat and straight edge after wrapping. (Basic cost of fabric shall be rs.350 per meter)	5.00	Sqm		
9	P/F Notice / soft boards comprising of 12mm thick pinnable salotex board over 12mm comm. Ply w/ 25x50mm melamine polished maple surround trims. Fabric wrapped on cellotex board on 3mm thick foam backing. Salotex boards to have Al. U channel around its edges. (B.R. of fabric at Rs. 400/- Rm)	15.00	Sqm		
10	Silicone sealant at all areas where partitions abutt external glass wall..	5.00	RM		
V	STORAGE				
1	P/F full height / Low Height storages of size 450d at locations indicated on the drawings or as instructed by the Architect with carcass and shutters of 19thick commercial ply with 1mm thick balancing laminate inside. Rate to be inclusive of all necessary hardware - , locksets, self closing hinges, spring loaded shutter latch inside, all cabinet hardware to be as per approved list of				

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
	makes complete as per architects approval.				
a	TYPE A finished with 1mm thick approved laminate on outside.	40.00	Sqm		
b	TYPE B finished with matt melamine polished 4mm thick approved veneer	10.00	Sqm		
c	Type C - open shelves finished with 1mm laminate on all surfaces & 12mm x 25mm polished matching wood beading on all exposed edges.	10.00	Sqm		
2	Vertical blinds	35.00	Sqm		
3	Overhead Storage Units 400 Deep including lighting pelmet, with carcass and shutters made out of 19 thick comm. Ply. Shutters to be finished with 1mm thick approved laminate outside and balancing laminated on inside. Hardware-Lock sets, self-closing hinges, spring loaded shutter latch inside, all cabinet hardware to be kitch / dorset or equivalent, complete as per architect's approval.	25.00	Sqm		
4	Roller blinds	50.00	Sqm		
VI	TABLE				
1	DCC-Cabin Table				
a.	Providing & fixing table having an overall size of (2400x900x750) with top made of 19 mm plywood with 12 mm thick corian top & edges of the table also with corian. The base of the table shall be made out of 18 mm and 12 mm thick MR grade plywood with 4mm thick veneer as approved by the architect, including melamine polish in three coats of sealer and two coats of melamine. The polish shall be complete with staged sanding, filling etc. complete to give a perfectly smooth finish to the satisfaction of the architect. Item to be completed in all respects as per drawings & instructions including all hardware, legs, studs etc.	1.00	No		



Item No.	Description of item	Qty	Unit	Unit Rate	Amount
b.	Side Unit: Providing & Fixing Side Unit having overall size 1800x450x750 with top made of 12 mm thick 'corian' & edges of the table also with corian. Side Unit shall have under structure having verticals made of 18 mm thick plywood finished in veneer and melamine polish on all exposed surfaces. The side unit shall have a provision for keyboard Openable space for CPU and a printer shelf and an openable shutter in 18mm thick plywood with veneer finish as per Drawing	1.00	No		
c.	Back Unit: Providing & Fixing Back Unit having overall size 1800x450x750 with top made of 12 mm thick 'corian' & edges of the table also with corian. Back Unit shall have under structure having verticals made of 18 mm thick plywood finished in veneer and melamine polish on all exposed surfaces as per Drawing	1.00	No		
2	PA DCC- Table				
a	Tables For PA to DCC Room Providing & fixing table having an overall size of (1500x600x750) with top made of 19 mm plywood finished in 4 mm thick veneer with 12 mm thick glass top. The base of the table shall be made out of 18 mm and 12 mm thick MR grade plywood with 4mm thick veneer as approved by the architect, including melamine polish in three coats of sealer and two coats of melamine. The polish shall be complete with staged sanding, filling etc. complete to give a perfectly smooth finish to the satisfaction of the architect. Item to be completed in all respects as per drawings & instructions including all hardware, legs, studs etc.	2.00	Nos		

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
b	Side Unit: Providing & Fixing Side Unit having overall size 900x450x750 with top made of 18 mm thick ply finished with 4 mm thick veneer, .Side Unit shall have under structure having verticals made of 18 mm thick plywood finished in veneer and melamine polishon all exposed surfaces. The side unit shall have a provision for keyboard Openable space for CPU and a printer shelf and an openable shutter in 18mm thick plywood with veneer finish as per Drawing.	2.00	Nos		
3	Cabin Type 2				
a	Providing and fixing CABIN Table of size 2100 x 750 x 750 mm high to detail as shown I drg. Comprising table top out of 18 mm. Comply with stiffner of same comply 10mm wide below the table and 10 x 37 mm. Stram Beach moulding to shape along edges. Table top finished with 1mm laminate of approved colour and shape on front and side of drawer finished with1mm thk laminate and assitional 18mm comply is fixed on front side to pattern with necessary grooves and finished with 1mm thick laminate. One set of 4 drawers about 450mm wide, 712.5 mm high and 600mm deep to shape supported with 18 mm comply at bottom, side are rear, 4 nos. of drawers out of which 3 nos. of equal height and 1 nos. drawer				

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
	at the top most of 75 mm high made out of 12 mm thick comply and finished with 1 mm thick laminate at front side of approved colour and shade with necessary TW lipping, telescopic drawer slides, locking arrangement, 100 mm long brush finished S.S. handles, etc. complete. All concealed faces of comply finished with one coat of wood preservative paint and exposed faces of Steam beach beading polished to the satisfaction of the Bank. The inside faces of drawers should be waxed and finished with varnish of app colour and shape.	5.00	Nos		
b	Side Unit: Providing & Fixing Side Unit having overall size 900x450x750 with top made of 18 mm thick ply finished with 4 mm thick veneer, .Side Unit shall have under structure having verticals made of 18 mm thick plywood finished in veneer and melamine polishon all exposed surfaces. The side unit shall have a provision for keyboard Openable space for CPU and a printer shelf and an openable shutter in 18mm thick plywood with veneer finish as per Drawing.	5.00	Nos		
4	<b>COUNTER WORKS</b>				
a	Counter - 700 deep made of 19mm thk marine ply finished with 19mm thk granite slab supported on MS brackets hung to wall at 800mm ht as per design and detail. Cost of counter to include for cutouts for basins, faucets etc. Counter shall have front facia in Granite as per detail. All exposed edges shall be polished to profile as shown on the drawings or as instructed by the Architects all complete. Basic Cost of Granite - Rs. 220 per sft + Tax	5.00	RM		
<b>TOTAL</b>					

## B. BOQ – 2: Civil Works

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
1	Demolition/dismantling of existing walls, floors etc, including disposal of demolished items, cleaning and preparation of the surface etc, all as per the condition of the Site condition and instruction from Engineer In Charge.	100.00	Sqm		
2	Dismantling of existing door frames and shutters, disposal of the dismantled items, cleaning etc, all as per Site condition and instruction from Engineer In Charge.	2.00	Nos.		
3	Providing and laying brick masonry with brick of class 5.0 in cement mortar 1:6 (1 cement: 6 Sand) at all heights including the cost of materials labour scaffoldings /staging, sampling and testing, soaking of bricks, cutting and laying of bricks, providing recesses making openings of any shape and size, finishing the joints flush below ground level sealing the gap between masonry and soffit of beam, slab, embedding the fittings and fixtures curing etc. all complete as per specifications. All materials including cement supplied by the contractor.	10.00	Cum		
4	Providing and laying half brick masonry with bricks of class 5.0 in cement mortar 1:4 in any shape, including the cost of materials, labours, scaffolding, sampling and testing, soaking of bricks, cutting and laying of bricks, providing openings of any shape & size, raking out the joints, supplying and placing 2 nos. 6mm dia MS bars at every fourth course, sealing the gap between masonry and soffit of beam/slab, embedding the fittings and fixtures, curing etc. all complete as per specifications.	20.00	Sqm		
5	Providing and laying reinforced cement concrete of M-30 grade with 20mm and down size graded crushed stone aggregates/ gravel in super structure in coloumns , walls, slabs etc providing cement wash (wherever no other surface application is specified), providing pockets, openings recesses, chamfering etc. wherever required, vibrating, tamping, curing and rendering if required to give a smooth and even surface etc. (Excuding the cost of reinforcement, shuttering & specified admixtures) for all heights in any shape, position and thickness etc all complete as specified, shown	7.00	Cum		

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
	and directed. All materials including cement supplied by the contractor.				
6	Providing and fixing centering and shuttering in superstructures in column, walls, slabs etc for all depth below and upto and inclusive of plinth level including shuttering for single pour concreting, strutting, bracing, propping etc keeping the same in position during concreting and removal of the same after specified period etc. for straight / inclined shuttering , keeping necessary provision for projecting dowels, anchor bolts or any other fixture etc all complete and as specified and directed.	50.00	Sqm		
7	Supplying and placing in position high yield strength deformed steel bars reinforcement of grade Fe 500 (D) conforming to IS : 1786 , for RCC work including transporting the steel , straightening , cleaning , decoiling, cutting, bending to required shapes and length as per details, binding with 18 SWG black soft annealed binding wire at every intersection, supplying and placing with proper cover blocks, supports, chairs, overlaps, welding, spacers, fanhooks etc. for all heights and depths etc. complete all as per direction/approval of the Engineer In Charge. Supply of material in the contractor's scope.	0.50	MT		
8	Providing plain cement plaster in cement mortar (1 cement : 4 sand ) on masonry , PCC /RCC including preparations of base , finishing curing etc, also providing 20 gauge chicken wire mesh stretched tight at all RCC/PCC and masonry meeting points in 300 mm wide strips (150 mm on each side) fixed with GI U type nails before plastering.				
a	12 mm Average Thickness	100.00	Sqm		
b	19mm Average Thickness	30.00	Sqm		
c	25 mm Average Thickness (in layers)	10.00	Sqm		
9	Providing plain cement plaster with waterproofing compound at area wherever required, conforming to IS-2645(Fosroc/Sika/approved equivalent) mixed to cement mortar @ 3% by weight, average 6mm thick 1:6 cement supplied by the contractor at their cost etc, all as per the direction	10.00	Sqm		

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
	of Engineer in Charge				
10	Providing and applying two or more coats of paints as mentioned below at locations wherever required conforming of approved make(Berger/Asian/equivalent) and shade including cleaning and preparation of surface consisting of application of Plaster of Paris punning over entire surface, filling all holes and depression with plaster of Paris, applying a coat of cement primer, two or more coats of oil based putty, scaffoldings etc, as per Site condition and instructions from the Engineer In Charge				
a	Plastic emulsion paint conforming to IS:5411	150.00	Sqm		
b	Finishing walls with TEXTURED EXTERIOR paint of approved make and required shade for new works (two or more coats applied @ 3.28 ltr/10sqm) over and including a base coat of water proofing cement paint of approved make applied @ 2.2kg/10sqm	5.00	Sqm		
11	Aluminium fixed glazed windows and doors with approved make sections, friction hinges, cast aluminium handle etc, all complete with approved shade electrostatically powder coated aluminium sections and 6mm thick toughened glass as per IS:5437.	25	Sqm		
12	Providing and laying Ceramic tile flooring/ dadoing of approved make, quality, size, colour and thickness conforming to IS 13630 laid over a bed / backing as specified below, with cement slurry at 3.30kg/sqm, close jointed and pointed with matching white cement slurry mixed with approved pigment and finishing to required level, curing etc.,complete all as per specification and as directed by Engineer-in-charge in all floors at all heights				
a	In flooring with approved colour Non-slippery floor tiles (Regular / plain or dark colour / glossy or mat series) size 300mm x 300mm or equivalent as per IS 15622 over bed/ backing of 20mm thick in CM 1:4	10.00	Sqm		
b	ii) In dado with approved colour wall tiles (Regular /plain or dark colour / glossy or mat series) size 300mm x 600mm or equivalent as per IS 15622 over bed/ backing of 12mm thick in CM 1:3	40.00	Sqm		

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
13	Providing and laying vitrified ceramic tile flooring/skirting using approved quality vitrified ceramic tiles conforming to IS 15622-2006 group B II, including a coating of adhesive as per manufacturers specifications, flush pointing of joints of tiles with cement paste/grouting with white cement and pigment finishing, curing etc., decorative, matt/mirror finish vitrified ceramic tiles of minimum size 600x600x10mm thick or equivalent in approved quality, colour, make, design/pattern as per the direction of Engineer in Charge	120.00	Sqm		
14	Providing and laying 18mm thick mirror polished granite stone slab flooring of approved colour and pattern, machine cut to required size, laid over a bed of 20mm thick cement mortar 1:6 and including machine cut edges of all slabs in order to achieve thin joints including grouting the joints with cement mixed with pigment to match the shade of the slabs, finishing to required level and slope, curing, cleaning, nosing of edges etc., complete all as per specifications and directions of Engineer in Charge	5.00	Sqm		
15	Providing & laying Vinyl flooring of 2mm thick of approved make at areas wherever required including the cost of necessary surface preparation, cleaning, material, labour charge etc, all as per specification and direction of the Engineer In Charge...	20.00	Sqm		
<b>TOTAL</b>					

### C.BOQ–3: Plumbing Works

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
1	Providing and Installing Wall hung WC with cistern with all required accessories and plumbing connections like angle cock, flexible connector pipe to cistern, all required connections from cistern to WC and required trap connections to Builder provided connections all complete as per detail drawings and instructions of the Architects.	3.00	Nos		
2	Providing and Installing counter mounted wash basins of Tulip range of Hindware inclusive of all plumbing connections like CP inlet connectors, Angle cocks, bottle traps etc. Cost of installing wash basing to be inclusive of installing Auto tap of Jaguar make. ( Tulip - Hindware - 10071 and Jaguar Auto Tap - 51011)	4.00	Nos		
3	Providing and Installing SS Soap Dispenser of Euronics make or equivalent ) OR EQUIVALENT OTHER BRANDS	3.00	Nos		
4	Providing and Installing Hand Dryer of Euronics or equivalent approved make as per selection (Model EH 01 S) OR EQUIVALENT OTHER BRANDS	3.00	Nos		
5	Providing and Installing Paper Towel dispenser of Euronics as per selection of the Architect. ) OR EQUIVALENT OTHER BRANDS	3.00	Nos		
6	Providing and Installing Toilet paper holders of Euronics make as per the selection of the Architect. ) OR EQUIVALENT OTHER BRANDS	3.00	Nos		
7	Providing and installing CP Coat hooks in WCs of Jaguar make as per the selection of the Architect. ) OR EQUIVALENT OTHER BRANDS	3.00	Nos		
8	SEWERAGE/EFFLUENT				



Item No.	Description of item	Qty	Unit	Unit Rate	Amount
	Supplying and fixing Supreme / equal approved make uPVC 6 kgf/sq.cm Pipes and PVC pipe specials cutting the pipes, laying to slopes where required fixing to perfect plumb, making joints using solvent cement solution or with ring seal couplers of size available pipe of 110mm, 90mm and 75mm dia. conducting water test for joints and the materials, providing and fixing suitable supports by using dash anchor fasteners, galvanized iron rod, bolts, nuts, washers and with shaped MS flats fixed to brackets, cutting grooves to conceal the pipes, making holes in all surfaces, restoring the damaged portions with required materials, providing scaffolding and remove where required making trenches to required size, refilling with excavated earth etc. complete.				
a	Using 40mm dia pipe.	10.00	RM		
b	Using 50mm dia pipe.	12.00	RM		
c	Using 63mm dia pipe.	15.00	RM		
d	Using 75mm dia pipe.	10.00	RM		
e	Using 110mm dia pipe.	10.00	RM		
9	Supplying and fixing custom made uPVC 6 kgf/sq.cm , Floor Traps with water seal made out of 110mm dia PVC Pipe with single or multiple inlets of size 40mm to 90mm dia plugging the bottom to water tightness, height to suit as per the site condition including using boss tee, fixing in position, laying cement concrete to 75mm around in 1:3:6 mix using brick jelly to full depth sump, supplying and fixing hinged Stainless Steel grating of suitable size and shape, cockroach trap with frame over trap / sump at 4mm below floor level testing to water tightness, including providing fibre glass mating at bottom, inlet and outlet etc. complete.	3.00	Nos		
10	WATER SUPPLY				

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
	<p>Quoted rate shall include labour charges and (a) cost of specified material in the item description, cutting the pipes to required length, making threads around if required, fixing pipe with pipe specials as specified by the manufacturer with required fixing materials, cutting groove on walls to conceal the pipe work, restoring damaged portion with required materials like sand cement &amp; jelly, providing and removing necessary scaffolding, conducting hydraulic test to a pressure of 7 Kg / Sq.cm, storing the materials, lead and lifting charges to all locations and at all floors within the site, providing supports for pipes laid in false ceiling using G.I. hangers MS brackets fixed to R.C.C slab including providing and fixing necessary anchor fasteners and clamps and as directed by the engineer in-charge, conceal the pipes, making holes in all surfaces, restoring the damaged portions with required materials, providing scaffolding and remove where required, making trenches to required size, refilling with excavated earth etc. complete. (All water supply pipe sizes are mentioned in ID) Supplying &amp; fixing Supreme / equal approved make Aqua gold high pressure plumbing pipes ASTM D - 1785 Schedule 80 (heavy) with ASTM D 2467 pipe fittings (Solvent weld socketed fittings, threaded fittings with plastic threads and threaded fittings with brass inserts). (Pipe sizes are mentioned in ID). (For Cold water supply system)</p>				
a	Using 15mm dia	5.00	RM		
b	Using 20mm dia	3.00	RM		
c	Using 25mm dia	10.00	RM		
d	Using 32mm dia	15.00	RM		
11	<p>Providing &amp; fixing mirrors @ toilets as per sizes indicated with 8mm thick float glass with mirror polish in the rear side as per detail fixed by 3M double-sided tapes with 19mm thick ply backing. Provision for light pelmet to be made as per design detail.</p>	20.00	Sqm		
<b>TOTAL</b>					

## D.BOQ–4: Electrical Works

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
1	Supply & wiring for following points in surface/recessed mounted 20mm PVC conduit with all accessories, using 3 runs of 1.5 sq.mm FRLS PVC insulated stranded copper conductor single core wire for phase, neutral & earth, with modular 6A one way switch, modular front plate, suitable GI box, ceiling rose etc. as required including supply and laying of 20mm/25 mm PVC conduit.				
	Light point/ exhaust fan point/call bell point	45	Nos		
2	Group controlled light point with 1.5 sq. mm wire(point to point) -Wiring for Group controlled light point with 2 run 1.5 sq. mm FRLS,PVC insulated, copper conductor cable for phase and neutral along with 1x1.5 sq. mm, FRLS PVC insulated, copper conductor, stranded cable for loop earthing in existing 20mm dia surface / recessed PVC conduit .	15	Nos		
3	Supply & wiring for circuit/submain in surface/recessed mounted 20mm or 25mm PVC conduit using 3 runs of 2.5 sqmm FRLS PVC insulated stranded single core copper conductor cables for phase, neutral & earth as required complete with all accessories Including supply and laying of 20mm/25 mm PVC conduit.	250	Mtr		
4	Supply & wiring for circuit/power plugs in surface/recessed mounted 25mm PVC conduit using 3 runs of 4 sqmm FRLS PVC insulated stranded single core copper conductor cables for phase, neutral & earth as required complete with all accessories Including supply and laying of 20mm/25 mm PVC conduit.	250	Mtr		

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
5	Supply & fixing suitable size GI box with modular front plate and cover on surface or in recess, including providing & fixing 3 pin 5/6A modular type shuttered socket outlet & 5/6A modular switch with connection etc as required.	4	Nos		
6	Supply & fixing suitable size GI box with modular front plate and cover on surface or in recess, including providing & fixing 6 pin 6/16A modular type shuttered socket outlet & 16A modular switch with connection etc as required. Including supply and laying of 20mm/25 mm PVC conduit.	15	Nos		
7	Supply & fixing suitable size GI box with modular front plate and cover on surface or in recess, including providing & fixing 3 Nos 3 pin 5/6A modular type shuttered socket outlet & 16A modular switch with connection etc as required.	25	Nos		
8	SITC of 250 mm sweep, light duty exhaust fan in plastic body with self opening louvers working on 230 V AC supply complete with all accessories as required. (Make: Crompton Greaves or equivalent approved make)	2	Nos		
9	Supply and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on Surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, interconnections, powder painted including earthing etc. as required. ( But without MCB/RCCB/Isolator)				
	8 way (4+24), Double door	1	Each		
10	Supply and fixing of following rating residual current circuit breaker having earth leakage protection (RCBO) as per specification as required				
	415V,4P, 63A, 30mA sensitivity	1	Each		

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
11	Supplying and fixing single pole Miniature Circuit Breaker (MCB) suitable for motor circuit (C curve, 10kA) in the existing enclosure and giving connections as required.				
	5A to 32A	24	Each		
12	Supply of following size 1.1 k V grade XLPE insulated, PVC sheathed armoured aluminium/copper conductor power cable conforming to relevant standard.				
	3.5C x 35 sqmm	70	Mtr		
13	Supplying & making cable end termination with nickel plated				
	single compression brass cable gland and aluminium lugs for				
	following sizes of XLPE insulated PVC sheathed aluminium				
	conductor cable of 1.1kV grade as required. The glands shall				
	be earthed with suitable size earthing clip & 14 SWG Cu wire				
	to nearest earth conductor.				
	3.5C x 35 sqmm	2	Each		
14	Laying and fixing of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
	Upto 35 sq. mm (clamped with 1mm thick saddle)	20	Mtr		
15	Laying of one number PVC insulated and PVC sheathed armoured power cable of 1.1kV grade for the following sizes in ground including excavation of trench of size 35x75cm, sand cushioning up to a height of 25cm (8cm+17cm), providing protective covering with common burnt bricks, refilling the trench etc. as required				
	Cable size not exceeding 35Sq mm	50	Mtr		

<b>Item No.</b>	<b>Description of item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Rate</b>	<b>Amount</b>
16	Providing and fixing 3.15mm Cu (10 SWG) strip/wire on surface or in recess for connections etc. as required.	100	Mtr		
17	SITC of 36 W Elate LED recess mounted luminaire with complete diffuser, prewired complete with all necessary accessories as required (Wipro make, Cat No.CRCO10R038HP57GL1 or equivalent approved make)	30	Nos		
18	SITC of 11 W Iris LED (LD71) recess mounted luminaire , prewired complete with all necessary accessories as required (Wipro make, cat No.LD71-111-SMS-65-XX * or equivalent approved make)	12	Nos		
19	SITC of 18 W Trim LED NEO LL 20 prewired complete with all necessary accessories as required (Wipro make, cat No.LL20-221-XXX-65-NE or equivalent approved make)	2	Nos		
<b>TOTAL</b>					

## E.BOQ-5: Air Conditioning Works

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
1	Split Air conditioners : Design & supply of Air cooled split type A.C. system of Branded make (Voltas or Blue Star/Hitachi/ Daikin, Carrier) comprising wall mounted/ ceiling suspended indoor air handling unit, outdoor condensing unit ( with scroll/ Rotary compressors), isolating valves, thermostatic control, safety cutouts and vibration isolation pads etc complete, details and instruction incl. Maintenance/service till defect liability period and warranty (one year) pls note that the necessary civil work including making good also included. Machine shall be 3 Star.				
a	2 TR Split Unit with Automatic Stabilizer	1	Nos		
b	1.5 TR Split Unit with Automatic Stabilizer	4	Nos		
c	1.0 TR Split Unit with Automatic Stabilizer	1	Nos		
2	Accessories including refrigeration piping, drain piping etc.				
<b>TOTAL</b>					

## F.BOQ–6: Network & Telecommunication

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
I	DATA CABLING(HORIZONTAL)				
1	Supply and drawing of CAT 6, 4 Pair , UTP cable with all accessories including termination complete	500	Mtr		
2	Supply and fixing CAT 6, RJ 45 information outlet with bend limiting boots including termination using SL series tool(yellow color) with all accessories including termination complete	30	Nos		
3	Supply and fixing of Dual faceplate with cutouts to suite information outlets including fixing as required	4	Nos		
4	Supply and fixing of Single faceplate with cutouts to suite information outlets including fixing with all accessories	25	Nos		
5	Supply and fixing of 24 port jack panel fully loaded including termination with all accessories	1	Nos		
6	Supply and fixing RJ 45/RJ 45 CAT 6 mounting cord 1mtr(yellow	25	Nos		
7	Supply and fixing RJ 45/RJ 45 CAT 6 mounting cord 2mtr.(yellow)	25	Nos		
8	Testing of nodes with latest state of the art FLUKE DTX cable analyser, 20 years performance warranty including cable route, as built diagram, node marking and documentation.	25	Nodes		
II	DATA BACK BONE (OFC-SINGLE MODE)				
1	Supply, laying, testing and commissioning of 6-Core 9/125 OS1 single mode, optical fibre cable with strengthening fibre ISI marked with all accessories required at site.	100	Mtr		
2	Supply and installation of Black, 6F, 1U, Loaded with pigtails, splice tray, couplers including fusion splicing with all accessories required at site	1	Nos		



<b>Item No.</b>	<b>Description of item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Rate</b>	<b>Amount</b>
3	Supply and installation of SC-LC style single mode 9/125 micron duplex patch cord-3mtr including termination complete	1	Nos		
III	VOICE CABLING (HORIZONTAL) CAT5e				
1	Supply and drawing 4pair , CAT5e UTP cable with all accessories including termination complete	500	Mtr		
2	Supply and Termination of Cat 5e UTP jack with strain relief and bend limiting boot-BLUE with all accessories as required at site	25	Nos		
3	Supply and fixing and giving connection to CAT5e 24 port jack panel for RJ 45 SL series with all accessories as required at site	1	Nos		
4	Supply and installation of Cat 5e UTP patch cord (BLUE) with all accessories as required at site	25	Nos		
5	Testing of nodes with latest state of the art FLUKE DTX cable analyzer, 25years performance warranty including cable route, as built diagram, node marking and documentation.	25	Nodes		
IV	VOICE CABLING -RESOURCE				
1	Supply and laying of PVC sheathed 0.51mm dia annealed copper conductor 50 pair cable as required including end termination with gland as required at site with all accessories	100	Mtr		
2	Supply and fixing and giving connection to CAT5e 24 port jack panel for 110 connect(Resource ) with all accessories required at site	3	Nos		
3	Supply & installation of 10 pair Disconnection Module	10	Nos		
V	NETWORKING RACKS				
1	Supply and fixing of 9 U Networking Rack 600 X 500 MM accessories - Cooling fan-2nos, power supply 6x5A, cable manager 3 nos, Hardware screws 20 nos. with all accessories as required at site	1	Nos		

Item No.	Description of item	Qty	Unit	Unit Rate	Amount
VI	PVC PIPE & ACCESSORIES				
1	Supply and laying of PVC 25 MM conduit & flex hoses ISI with proper fittings to draw the UTP cable including all accessories required at site	200	Mtr		
VII	NETWORKING SWITCHES				
1	Supply, Fixing & testing of 24 port 10/100/1000Mbps Ethernet Web Manageable switch with 2 10/100 /1000 Mbps SFP port ( HP Procure 1810-24G) with all accessories as required at site with Support pack charges for one year	1	Nos		
2	Supply & laying of Procure Gigabit-LX-LC Mini-GBIC (J4859C) module	1	Nos		
<b>TOTAL</b>					

**Notes:**

\*\* Actual quantities may vary according to the Site Conditions.

\*\* All the quoted unit rate should be exclusive of GST, as applicable

\*\* **The GST shall be extra at the rate of .....% on the quoted price if applicable**

