

**PROPOSED ADDITION AND ALTERATION WORKS AT THE EXISTING
BRANCH BUILDING (TO ACCOMMODATE NEW CURRENCY CHEST) AT
NO: 28A, THIRUVALLUVAR SALAI, MARAIMALAI NAGAR,
KANCHEEPURAM DISTRICT, CHENNAI – 603 209.**

TENDER SCHEDULE

Part - II
(Price Bid)

CONSULTANTS:

ARUN ARCHITECTS,

AI-125, 8TH MAIN ROAD, ANNA NAGAR,
CHENNAI - 600 040.

Tel. / Fax. : 2621 5855 – 2620 2974

E-mail:ethos123@gmail.com

Tender to be submitted to:

The Zonal Manager,
Indian Bank Zonal Office - Kancheepuram
Premises and Expenditure Department,
No: 510/511, Gandhi Road, Kancheepuram – 631 501.

Issued to:

**TENDER SCHEDULE FOR ADDITION AND ALTERATION WORKS AT THE EXISTING
BRANCH BUILDING (TO ACCOMMODATE NEW CURRENCY CHEST) AT
NO: 28A, THIRUVALLUVAR SALAI, MARAIMALAI NAGAR,
KANCHEEPURAM DISTRICT, CHENNAI – 603 209.**

Name of the Contractor to whom issued: _____

Address: _____

CONSULTANTS:

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CLIENTS

The Zonal Manager,
Indian Bank Zonal Office - Kancheepuram
Premises and Expenditure Department,
No: 510/511, Gandhi Road, Kancheepuram – 631 501.

SUMMARY

S.No.	Description works	Amount
1	Civil & Allied work	
2	Interior work (currency chest)	
3	Civil & Interior work (Branch)	
4	Electrical work (Currency Chest)	
5	Electrical work (Branch)	
6	Air Conditioning work	
7	Data Cabling work	
8	CCTV & Burglar work	
9	Access Control System work	
10	Plumbing work (Currency Chest)	
11	Plumbing work (Branch)	
	Grand Total	

Signature of contractor(s)

Date:
Place :

SCHEDULE OF QUANTITIES**CIVIL AND OTHER ALLIED WORKS**

S.No.	Description works	Unit	Qty	Rate	Amount
	Dismantling works				
1.1	Removing the existing doors, MS grills and windows/ ventilators without damage and handing over to the bank including making good the surface with neat cement plaster	sqm	61		
1.2	Dismantling the existing weathering course along with the pressed tile flooring over the proposed demolishing area and carting away the rubbish to an unobjectionable place away from the site for all leads.	sqm	38		
1.3	Dismantling of PCC flooring outside and inside building along with the mosaic or IPS flooring over the proposed demolishing area and carting away the rubbish to an unobjectionable place away from the site for all leads.	cum	12		
1.4	Dismantling of existing 230mm brick work and carting away the rubbish to an unobjectionable place away from the site for all leads.	cum	48		
1.5	Dismantling of existing aggregate plastering and carting away the rubbish to an unobjectionable place away from the site for all leads.	sqm	106		
1.6	Dismantling of columns / beam/ slabs / lintels/ sunshades / rcc shelves/lofts etc including the reinforcement and carting away the rubbish to an unobjectionable place away from the site for all leads.	cum	28		
1.7	Providing patch work brick work 230mm thick for the opening areas of removed window/ ventilator area including scaffolding, curing and hacking and making key in the existing brick wall for proper anchorage for closing the window openings	cum	7		
1.8	Providing 230mm thick brick work with bricks of class designation 35 in superstructure and plinth in cement mortar 1:5 for segregating the branch activity including scaffolding curing and hacking and making key in the existing brick wall for proper anchorage for closing the window openings	cum	8		
1.9	Providing patch work plastering at the dismantled area of wall including curing and scaffolding etc complete.	sqm	54		

S.No.	Description works	Unit	Qty	Rate	Amount
II	EARTH WORK				
2.1	Earth work in excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains over areas (not exceeding 1.5m in width or 10sqm on plan) in all kinds of soil including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50m. The rate shall include the cost of refilling and bailing out water if encountered.	cum	232		
2.2	Same as above but for excavation upto a depth from 1500mm to 3000 mm depth	cum	158		
2.3	Supplying and filling good quality murrum in layers of 150mm thick including watering and compacting till maximum compaction is achieved as directed by Engineer in Charge	cum	423		
2.4	Supply and filling locally available good quality river sand in layers of 150 mm thick including watering and compacting till maximum compaction is achieved as directed by engineer in charge.	Cum	33		
2.5	Treatment of soil under existing floors using chemical emulsion at 1 litre per hole 300 mm apart including drilling holes and plugging with cement mortar 1:2 (1 cement 2 coarse sand) to match the existing floor etc. complete with Chlorpyriphos / E.C 20% with 1% concentration (only plinth area measured for payment)				
2.5.1	For Pre – construction method of new construction	sqm	239		
2.5.2	For post construction method of old construction	sqm	450		
III	Plain Cement concrete work				
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering all work up to plinth level				
3.1	1:4:8 (1 Cement :4 coarse sand : 8 graded stone aggregate 40mm nominal size)	cum	15		
3.2	1:3:6 (1 Cement :3 coarse sand : 6 graded stone aggregate 20mm nominal size) for entire floor over the raft	cum	22		

S.No.	Description works	Unit	Qty	Rate	Amount
IV	Reinforced concrete work				
4.1	Providing and laying RCC M20 grade for following work using 20mm down size graded crushed aggregate including providing and fixing necessary shuttering, scaffolding, machine mixing compacting by mechanical vibrators, curing etc complete. Concrete shall conform to IS 456 – Latest edition. Rate shall be exclusive of the cost of steel reinforcement, which be paid under a separate item.				
	For footings	Cum	36		
4.2	Providing and laying in position reinforcement concrete work of specified grade in walls (upto 450mm thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars piers, abutments, posts, and struts etc., up to floor five level including the cost of centring, shuttering, finishing and excluding reinforcement				
	M20 Grade concrete	cum	21		
4.3	Providing and laying in position specified grade of reinforced cement concrete plinth beams including the cost of centering shuttering finishing and excluding reinforcement - all work up to plinth level				
	M20 Grade concrete	cum	11		
4.4	Providing and laying in position machine batched, machine mixed and machine vibrated design mix of RMC cement concrete of M50 grade for reinforced cement concrete work including pumping of concrete to site of laying, centering, shuttering, finishing but excluding reinforcement including admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer in charge All work up to floor IV level beams for floor beams, cantilevers, suspended floors, slabs, roofs and staircases including spiral staircases etc.				
4.4.1	for floor slab of 450mm thick (with shuttering only for thickness of slab)	cum	34		

S.No.	Description works	Unit	Qty	Rate	Amount
4.4.2	for walls of 450mm thick (with two side shuttering)	cum	45		
4.4.3	for slabs of 450mm thick (with bottom centering)	cum	34		
4.5	Providing and laying in position machine batched,, machine mixed and machine vibrated design mix of RMC cement concrete of M25 grade for reinforced cement concrete work including pumping of concrete to site of laying, Centering, shuttering, finishing but excluding reinforcement, including admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability, without impairing strength and durability as per direction of Engineer in charge grade reinforced cement concrete using 420 kg. of cement per cum of concrete including curing. All work up to floor IV level beams for floor beams, cantilevers, suspended floors, slabs, roofs and staircases including spiral staircases etc.				
4.5	For roof beams (with three sides centering)	cum	23		
4.5.2	For roof slab (with bottom centering)	cum	12.96		
4.6	Providing and laying in position reinforced cement concrete work of specified grade in shelves, chajjas, lintels, staircases etc. up to floor level including the cost of centering, shuttering finishing and excluding reinforcement with M20 Grade concrete	cum	11		
	Providing and laying M 15 grade concrete				
a	Floor slabs	cum	QRO(quote rate only)		
b	Walls	cum	QRO		
c	Roof Slab	cum	QRO		
	Providing and laying M 20 grade concrete				
a	Floor slabs	cum	QRO		
b	Walls	cum	QRO		
c	Roof Slab	cum	QRO		
	Providing and laying M 25 grade concrete				
a	Floor slabs	cum	QRO)		
b	Walls	cum	QRO		
c	Roof Slab	cum	QRO		
	Providing and laying M 50 grade concrete				
a	Floor slabs	cum	QRO		
b	Walls	cum	QRO		
c	Roof Slab	cum	QRO		

S.No.	Description works	Unit	Qty	Rate	Amount
V	Steel reinforcement				
5	Supplying fabricating and placing in position HYSD reinforcement bar conforming to IS 1786 grade FE 415 including cutting bending & supply and binding with 18 SWG annealed binding wire. Payment shall be made as per reinforcement drawings and at theoretical weights only	Kg	25279		
VI	Tang bars				
6	Providing and laying and welding the tang bars (as per recommendations of the supplier) in position procuring tang bars of size 230mm wide and 3mm thick, 1800/2000 mm long from Godrej and placing them in position as per suppliers specification using tang bars in two rows conforming to 'AAA' class currency chest. Specification in all RCC walls, floor slabs and roof slabs of the currency chest for a total area of 239 square meter are including twisting and welding and aligning the tang bars. The tang bars shall be kept at approximately 6.5 nos for two rows per square meter of the concrete surface area	Nos	1554		
VII	Brick work				
7	Brick work with bricks of class designation 35 in foundations and plinth in cement mortar 1:5	sqm	15.06		
7.1	Brick work with bricks of class designation 35 in superstructure in cement mortar 1:5 above plinth upto roof level	cum	13		
7.2	Half brick masonry with bricks of class designation 35 in superstructure in cement mortar 1:4 upto roof level including providing RCC band of 50mm thick with 2 nos of 6mm dia MS mild steel rod at every 1m height	sqm	67		
VIII	Finishing work				
8	Providing and applying 12mm thick cement plaster finished with a floating coat of neat cement to the ceiling of mix 1:3 (1 cement : 3 fine sand) the rate to include the cost of providing and removing the scaffolding along with curing the surface complete	sqm	276		
8.1	Providing and applying 12mm thick cement plaster finishing with a floating coat of neat cement to the interior wall surfaces of mix 1:4 (1 cement 4 fine sand) The rate to include the cost of providing and removing the scaffolding along with curing the surface complete	sqm	591		

S.No.	Description works	Unit	Qty	Rate	Amount
8.2	Providing and applying washing stone aggregate / mosaic chips grit plaster on external wall surfaces of height up to 10m height above ground level in two layers, under layer 12 mm cement plaster in CM 1:4 and furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 kg of cement per square meter top layer 15mm cement plaster in CM 1:0. 5:2.5 (1 cement 0.5 coarse sand: 2.5 stone chipping 10mm nominal size) in panels with grooves all-round or to suit the existing pattern including scrubbing and washing the top layer with brushes and water to expose the stone chippings all complete. The rate to include the cost of grooves and the cost of providing and removing the scaffolding along with curing the surface complete.	sqm	227		
8.3	Providing and applying 18 mm thick cement plaster in 2 coats under layer 12mm thk cement plaster 1:5 (1 cement: 5 coarse sand) to external walls.	sqm	90		
IX	FLOORING AND WALL DADO WORKS				
9	Providing and fixing 18mm thk gang saw cut mirror polished premoulded and pre polished machine cut (Jet Black Granite) for lift wall cladding and similar locations of required size of approved shade, colour and texture laid over 20mm thk base cement mortar 1:4 with joints treated with white cement mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish complete at all levels. The rate include the cost of providing V grooves at all horizontal joints (basic cost of granite to be Rs. 2250/- Sqm)	sqm	7		
9.1	Providing Shahabad stone slabs of size 60cm x 60cm and 25mm thk in flooring laid on 12mm thk cement mortar 1:3 and jointed with grey cement slurry mixed with pigment to match the shade of the slabs including rubbing and polishing complete. (basic cost of tile to be Rs. 380/sqm)	sqm	122		
9.2	Providing and laying polished vitrified floor tiles in different sizes and 10-12 mm thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS 15622 of approved made in all colour and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigment etc., complete, (basic cost of tile to be Rs. 480/sqm)				
	Size of tile 60 x 60 cm	sqm	44		

S.No.	Description works	Unit	Qty	Rate	Amount
9.3	Providing and laying 100mm high skirting by cutting the 600x 600mm polished vitrified floor tiles into 6 equal pieces of around 100mm (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622 of approved make in dark colours and shade, laid on 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including grouting the joints with white cement and matching pigment etc. complete. The rate shall include the cost of chasing the walls to sufficient depth so as to lay the tiles by projecting out 6mm from the finished plastered surfaces (basic cost of tile to be Rs. 480/sqm)	mt	87		
9.4	Providing and laying 1st quality ceramic glazed wall tiles of size 300mm x 200mm conforming to IS : 15622 of thickness 5/6 mm of approved make in all colours shades of size approved by Engineer in charge in dados over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and joining with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete (basic cost of tile to be Rs. 450/sqm)	sqm	17		
9.5	Providing and laying ceramic glazed antiskid floor tiles 300 x 300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 15622 of approved make in colours such as finalized by the Bank /Architect, laid on 20mm thick cement mortar 1:4 (1 cement 4 coarse sand) including pointing the joints with white cement and matching pigment etc. complete (basic cost of tile to be Rs. 450/sqm)	sqm	61		
X	Wood and aluminium work				
10	Providing and fixing aluminum anodized windows and ventilators with side/top hung shutters using standard frame of approved, manufacture with adequate around frames and window shutter frames along with providing and fixing 4mm thk, clear float glass fixed with rubber gaskets, including all labour,	sqm	9		

S.No.	Description works	Unit	Qty	Rate	Amount
	material lead lift etc. complete and as directed. The rate shall include the cost of fixing and providing suitable pair of stainless steel I-mex friction hinges for each shutter along with fixing and providing heavy duty handless with locking arrangement. The rate shall include the cost of sealing the gaps all round the window outer frames and the wall to prevent water leakage using approved silicon sealant.				
10.1	Providing and fixing M.S grills of required pattern in frames of windows etc with M.S flats, square or round bars etc. all complete fixed to openings with rawl plugs, screws etc	KG	1127		
10.2	Rolling shutter				
	Supplying, fabrication and fixing of MS rolling shutter of the following specifications including grill window of 450mm height at eye level for visibility even in closed position.				
	Code: Conforming to IS 6248 – 1979 Type: self coiling type (manual) Curtains : Interlocking cold rolled lath section of 0.8 mm thickness Lock Plate : MS sheets of 3.15 mm thick reinforced with MS Angle of 35 x35 mm Gide channel : MS sheets of 3.5 mm thick Bracket plate : MS sheet of 3.5 mm thick Hood covers : MS sheet of 0.9 mm thick Locking handle : To be provided suitably Rate shall include providing and fixing hold fasts, side and center locks and painting two coats of enamel paint of approved make and shade over one coat of zinc phosphate primer	sqm	3		
10.3	Providing and fixing 30mm thick factory made flush door shutters lined with 3mm thick commercial plywood on both sides with inner solid hard core (at all levels) to be fitted with the first class padauk outer door frames of size 100 x 60mm with 3 number of ISI marked brass butt hinges per shutter of size 100 x 25 x 3 mm and screws. The rate shall include the cost of teakwood lipping (size 30X 3 mm) around shutter two number of aluminium tower bolts of 150mm long per shutter, one pair 100 mm of aluminum handle including all labour material lead lift etc complete and as directed by the Engineer in charge.				
	Main Door	sqm	14		

S.No.	Description works	Unit	Qty	Rate	Amount
10.4	Providing and fixing 35mm thick factory made flush door shutters lined with 3mm thick commercial plywood on both sides with inner solid hard core (at all levels) to be fitted with the first class padauk outer door frames of size 100 x 60mm with 3 number of ISI marked brass butt hinges per shutter of size 100 x 25 x 3 mm and screws. The rate shall include the cost of teakwood lipping around shutter two number of aluminum tower bolts of 150mm long per shutter, one pair 100mm of aluminum handle including all labour material lead lift etc complete and as directed by the Engineer in charge				
	Main door	sqm	6		
10.5	Providing and fixing 30mm thick factory made water resistance flush door shutters made up of 3mm thick commercial plywood on both sides with inner solid hard core (at all levels) to be fitted with the first class padauk outer door frames of size 100 x 60mm with 3 number of ISI marked brass butt hinges per shutter of size 100 x 25 x 3 mm and screws. and lined with 1mm thick PVC sheet on bothsides. The rate shall include the cost of teakwood lipping around shutter two number of alminium tower bolts of 150mm long per shutter, one pair 100mm of alminium handle including all labour materials lead, lift etc complete and as directed by the Engineer in charge (for inner toilet doors)	sqm	10		
XI	Painting work				
11	Providing applying and finishing OBD with putty of 1.5 to 2mm thickness over plastered surface to prepare the surface even and smooth for ceiling complete	sqm	205		
11.1	Providing and applying 2 coats (first coat brush and final coat with Roller) of OBD with putty of approved make and shade on all surfaces and at all levels and leads heights to given an even shade including primer after thoroughly brushing the surface free from mortar dropping and other foreign matter also including preparing the surface even and smooth etc. all material and labour complete.	sqm	591		
11.2	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shades for the new work (two or more coats) over and including priming coat of manufacturer recommended primer	sqm	112		

S.No.	Description works	Unit	Qty	Rate	Amount
11.3	Providing applying two coats of first quality exterior emulsion paint of approved make and colour over a recommended priming coat of white colour paint or any primer specified by the manufacturer at all levels and leads including preparation of surface by thorough cleaning before painting and thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and sand papered smooth etc. all material and labour complete with scaffolding all as per manufacturer's specification and as directed	sqm	341		
XII	Weathering course				
12.0	Providing and laying weathering course with an average thickness of 75mm at the drain points and laid to good slope using brick jelly lime concrete 1:2 (Two parts of 20mm brick jelly one part of slaked lime powder) well mixed laid to required gradients and consolidated well with wooden knives.	sqm	226		
12.1	Providing and laying one coat of 1 st quality pressed clay tiles 20 x 20 x 2cm thick laid over a bed of oiled CM 1:3: etc (crude oil 5% weight of the cement) including filling the joints with cement paste and finishing smooth complete.	Sqm	247		
XII	Miscellaneous works				
13	Welding the existing Slab/Beam/Column rods with approved make electrodes to the steel reinforcement rods of new construction including hiring the welding machine at site complete for the following diameters				
13.0.1	Up to 12mm dia rods	Each	150		
13.0.2	for 16 to 20mm dia rods	Each	20		
13.0.3	for 25mm dia rods	Each	20		
13.1	Providing and fixing 12mm thick (300 x 450 mm height) anchor plate welded to existing column rods at all proposed beam (8 junctions) locations	Kg	102		
XIV	Raising of compound wall and gate works				
14	Earth work in excavation by mechanical means (hydraulic excavator) / manual means in foundations trenches or drains over areas (not exceeding 1.5m in width or 10 sqm on plan) in all kinds of soil including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50m. The rate shall include the cost of refilling and bailing out water if encountered	cum	5		

S.No.	Description works	Unit	Qty	Rate	Amount
14.1	Supplying and filling locally available good quality river sand in layers of 150mm thick including watering and compacting till maximum compaction is achieved as directed by Engineer in charge	cum	1		
14.2	1:4:8 (1 cement 4 coarse sand 8 graded stone aggregate 40mm nominal size)	cum	1		
14.3	Providing and laying M 20 grade concrete for gate columns, footings, and plinth beams etc, works using 20 mm and down size graded crushed aggregate including providing, and fixing necessary shuttering scaffolding, machine mixing, compacting by mechanical vibrators, curing etc., complete, Concrete shall conform to IS 456 Latest edition Rate shall be exclusive of the cost of steel reinforcement which will be paid under a separate item.	cum	7		
14.4	Supplying fabricating and placing in position HYSD reinforcement bar conforming to IS 1786 grade FE 415 including cutting, bending & supply and binding with 18 SWG annealed binding wire, payment shall be made as per reinforcement drawings and at theoretical weights only	kg	924		
14.5	Removing the existing MS grills including cutting the anchor rods without damages and handing over to the bank	Sqm	10		
14.6	Providing and fixing M.S grills of required pattern in frames of windows etc with M.S flats, square or round bars etc all complete fixed to openings with rawl plugs screws etc.	KG	1909		
14.7	Brick work with bricks of class designation 35 in superstructure in cement mortar 1:5 above plinth upto roof level	cum	4		
14.8	Half brick masonry with bricks of class designation 35 in superstructure in cement mortar 1:4 upto roof level including providing RCC band of 50mm thick with 2 Nos of 6mm dia MS mild steel rod at every 1 m height	sqm	75		
14.9	Providing and laying 12mm thick smooth cement plastering in 1:5 CM in single coat to all the interior walls/ beams including providing necessary scaffolding, chicken wire mesh at all – joints of brick and concrete surface, with a minimum overlap of 75mm in all directions and additional thickness if required to achieve perfect line and level without any extra cost.	sqm	195		

S.No.	Description works	Unit	Qty	Rate	Amount
15	Supply and fixing double leaf M.S swing gate of clear opening size 3.6 M x 2.4M -1 No with 75 x 50 x 6mm thick outer frame of 25mm square as per design and shape including all accessories and bottom T angle of 50 x 50 x 6mm fixed for roller at bottom of gates and 16mm square rods inner member as indicated in drawing 40 mm dia – 200 mm long M.S hinges with thrust bearings to be provided in the gate for 2 nos. per leaf and 6mm plate requirement on outer frame for hinge housing and all fabricated and fixed as shown in the drawing. The rate shall include fixing of 6mm thick MS plate on the top portion of the gate and 3mm thick MS plate on the top portion of the gate with 16mm square bar in pattern to be fixed as shown in drawing including painting 3 coats with synthetic enamel paint over a coat of anticorrosive primer etc complete and all as directed. Rate shall include tower bolts and al drops for fixing in position alignment grouting the side fixed hinges using C.C 1:2:4 and finishing the surface neat and smooth etc.	kg	363		
15.1	Providing applying two coats of first quality cement paint of approved make and colour over a priming coat of white colour proof cement paint or any primer specified by the manufacture at all levels and leads including preparation of surface by thorough cleaning and wetting before painting and curing all as per manufacturers specifications and as directed.	sqm	195		
15.2	Providing and applying 2 coats of synthetic enamel paint 1 st quality of approved manufacturer and shades on wooden surface at all levels and leads to given an even shade including one coat of primer and fully putty after thoroughly brushing the surface free from rust and other foreign matter and also including preparing the surface even and sand papered smooth etc. all material and labour complete.	sqm	87		
	Total				

Signature of contractors

Date:
Place :

SCHEDULE OF QUANTITIES

INTERIOR WORKS FOR (CURRENCY CHEST)

S.No.	Description works	Unit	Qty	Rate	Amount
	FOR CURRENCY CHEST				
A	PARTITION WORKS				
1	<p>Providing and fixing double skin full height partitions of upto 2600 mm or near about height using 50mm x 50mm C.W (first quality paduak) frames in both directions as shown in drgs. along with 6mm thick com. ply wood lined on both sides and lining with 1mm thk. lamination of approved shade and textures along with grooves. The rate shall included the cost of providing skirting of 100mm wide lined with 1mm thk laminate as shown in drawing complete. The rate shall include the cost of providing and fixing door frame shutters of matching laminate on both sides fixed to partition with 3 nos of 100mm long brass hinges. The partition shall be rigidly fixed to the ceiling with adequate timber supports above false ceiling which will not be considered for payment</p>	sqm	10		
2	<p>Providing and fixing double skin full height glazed partitions of upto 2600 mm or near about height using 50mm x 50mm C.W (first quality padauk) frame in both directions as shown in drgs. along with 6mm thick com. ply wood (MR) lined on both sides and lining with 1mm thk lamination of approved shade and texture along with grooves. The rates shall include the cost of providing skirting of 100mm wide lined with 1mm the laminate and providing & fixing a border at top of 100mm wide lined with 1mm thk laminate as shown in drawings complete.</p> <p>The rate shall also include the cost of providing and fixing door frame shutters of matching laminate on both sides fixed to partition with 3 nos of 100mm long brass hinges. The rate shall also include the cost of providing and fixing single piece 6mm thk clear float glass from skirting to 2150 mm ht. including fixing 12mm thk. TW beading finished and polished to melamine matte finish tinted to approved colour and shade. The partition shall be rigidly fixed to the ceiling with adequate timber supports above false ceiling which will not be considered for payment</p>	sqm	62		

S.No.	Description works	Unit	Qty	Rate	Amount
3	Providing and fixing single skin partitions above false ceiling (where false ceiling is provided only on one side) for a height of upto 600mm or near about using 50mm x 75mm C.W (First quality padauk) frames along with 6mm thick MR ply wood lined on only one side and lining with 1mm thk lamination of approved shade and texture along with grooves	sqm	12		
4	Providing and fixing double skin low height partitions of upto 1400 mm or near about height using 50mm x 75mm C.W (first quality Padauk) frame in both directions as shows shown in drgs. along with 6mm thick commercial ply wood (MR) lined on both sides and lining with 1mm thk. lamination of approved shade and textures along with grooves. The rates shall include the cost of providing skirting of 100mm wide lined with 1mm thk laminate and providing & fixing a border at top of 100mm wide lined with 1mm thk laminate as shown in drawings complete. The rate shall also include the cost of providing and fixing Teak wood trims of size not less than 75 mm x 20mm to shape for all exposed edges on top and sides including polishing and finishing with melamine matt finish tinted to approved shade and texture.	sqm	2		
5	Proving and fixing circular column cladding of ht upto 2590 mm using 50mm x 50mm C.W. frames in both directions as shown in drawings along with commercial ply wood (MR) lined with 1.0mm thick ordinary lamination of approved brand, shade along with grooves including & laminating with two bands of 150mm wide aluminum of approved texture and finish.	sqm	5		
6	Providing & fixing pinup board of size 900 x 1500 mm using 40 x 40 mm CW frame with 12mm thk soft board which in turn covered with Maroon shade fabric.	No	2		
B	False ceiling works				
1	Providing and fixing at all height false ceiling of 12.5 mm thick tapered edge gypsum board conforming to IS 2095 including providing and fixing of frame work made of special sections power pressed from MS sections and galvanized in accordance with zinc coating 600 as per IS : 277 and consisting of MS angles cleats of size 25mm wide x 16mm thick with flanges of 22mm and 37 mm at 1200 mm centre to centre one edge fixed to the ceiling with dash fastener 12.5mm dia x 40mm long with 6mm dia bolts to the angle hangers of 25 x 25 x 5 mm of required length and other end of				

S.No.	Description works	Unit	Qty	Rate	Amount
	angle hanger being fixed to bring fixed with nuts and bolts to GI channels 45mm x 15mm x 0.90 mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5mm thick bottom edge of 80mm with tapered flanges of 26mm each having clips of 10.5 mm at 450 mm centre to centre shall be fixed to the direction perpendicular to GI channel with connecting clips made out of 2.64 mm dia x 230 mm long GI wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to the wall / partition with the help of rawl plugs at 450mm centre to centre with 25mm long drive – all screws @ 230mm interval including jointing and fixing to a flush finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, finished including painting with two or more coats acrylic emulsion paint (white / pine Apple shade – 903 / 399 of Asian paints) over a coat of primer of approved make and shade and the cost of making openings for light fittings, AC diffusers and continuous grills, cutouts made with frame of perimeter channels suitably fixed complete. The rate shall hold good for laying the false ceiling for the vertical surfaces also (with levels). Payments to be made for all the exposed surfaces colour.	sqm	91		
2	Providing and fixing POP cornice to cover the corners of the following sizes including painting with two coats of emulsion paints				
2.1	75 x 75 mm (general staff area)	Rmt	10		
2.2	100 x 100 mm (for diffused lighting in general staff area)	Rmt	15		
C	Miscellaneous works				
1	Supplying and fixing Teak wood door (two shutters of 1500 mm wide each) using twin style section (150mm high and 40mm thick) along with 12mm thick clear float glass with minimal glass etching all round and etching the logo in centre with all accessories required, along with providing outer frame on three sides using 100 x 50mm TW frames. The rate also include the cost of providing and fixing 300 mm high and 25mm dia CP brass handle on both sides lock, pivets etc. including finishing and polishing the wooden surfaces with sealer melamine matt finish tinted to approved and shade.	sqm	9		

S.No.	Description works	Unit	Qty	Rate	Amount
2	Supplying and fixing of imported Dorma or equivalent glass pivot cum door closer and hinges with locking arrangements including making chases in flooring and making good the same with CC grouting to match with the existing flooring	set	6		
3	Supplying and fixing of Godrej mortice lock with round head	Nos	11		
4	Supplying and fixing of Godrej mortice latch	Nos	3		
5	Supplying and fixing of efficient make door stoppers	Nos	16		
6	Supplying and fixing of efficient make door closers	Nos	14		
7	Supplying and fixing of challan pigeon box for a size of 1800 mm x 600mm high x 200mm deep complete 19mm plywood around along with 12mm thk ply at 125mm intervals on both directions including lining the inner and all exposed surfaces with 1mm thk. lamination	Nos	1		
8	Providing and fixing integrated pelmet cum AC boxing 375/450 mm high and 115 mm wide made out of 12mm thk commercial plywood and lined with 1 mm thk lamination along with providing and fixing TW lipping on all the exposed surfaces along with painting the inner surface with 2 coats of enamel paint over a coat of full putty and primer	Rmt	10		
9	Providing and fixing factory made flush door for an opening size of 900 x 2130 mm high using 30mm thk flush door shutter with 100 x 60mm country wood door frames around the door opening and lining the flush shutter with 1 mm thick decorative laminate on both sides including painting and finishing the door frames with two coats of matt enamel paint over a coat of primer and full putty. The rate shall include the cost of necessary hardwares brass hinges mortice latch, handles etc.	No	10		
D	Fixed furniture's & cupboards				
1	Supplying & fixing post formed storage cupboards of 450mm wide with varying heights of 750 to 2450 mm with top and front shutters post formed using 19mm thick water proof (BWP) ply wood as dividers and verticals along with 6mm thk (MR) ply wood at the back. The inner surfaces shall be painted with two coats of enamel paint (Arctic White – 28 – 0824 of ICI Paints or Equivalent) over a coat of putty and complete with Efficient locks (6 locks with 1 common key) The shutters shall have auto closing hinges. The rate shall also include the cost of providing skirting of 100mm wide lined with 1mm thk laminate	sqm	5		

S.No.	Description works	Unit	Qty	Rate	Amount
2	Supply & fixing of Acrylic vertical blinds 100mm wide panel (Hunter Douglas / MAC make) for a height not less than 1500 mm with all accessories including tracks and cutting the panels to suit the openings	Sqm	14		
3	Supply and assembling dining table of size 1500 x 800 x 760mm with adequate legs and lining the exposed surfaces with 1mm thk. Approved laminate including finishing the legs with sealer melamine mattle finish tinted to approved shade.	No	1		
E	Furniture's & tables				
1	Supplying high back revolving chair with gas stroke on castor wheels with ABS moulded seat and back, including arm rest and upholstred with maroon shade fabric	No	1		
2	Supplying medium back revolving adjustable chair with gas stroke on castor wheels with ABS mouded seat and back including arm rest and upholstred with maroon shade fabric	No	10		
3	Same as above item but supplying visitors chairs with out arm	No	4		
4	Supplying perforated airport type 3 seater of Visitors	No	2		
5	Providing powder coated independent metal (maroon colour) perforated chairs with legs and arm rest	No	4		
6	Providing and assembling post formed officer incharge table to shape of size of 1500 x 760 x 760 mm ht. with drawers and shelves on the side, file cabinet on other side, and keyboard drawer using 19mm thick commercial plywood lined with 1mm thk lamination for all he exposed surface along with providing and fixing modesty panel with all supports and stiffeners and finishing and the inner surfaces with two coats of enamel paint and fixing efficient make multipurpose lock (common keys) to doors, drawers & key board drawer along with handleless as shown in drawing including providing and fixing a foot rest using 75 x 40mm size 1 st class seasoned country wood. The rate shall also include the cost of providing and assembling the side table of size 900 x 375 x 575 mm with drawer and shelf's. The rate shall also include the cost of polishing and finishing at the exposed surfaces with melamine matter finish tinted to approved shade and texture.	Nos	2		

S.No.	Description works	Unit	Qty	Rate	Amount
7	Same as above item no 4 but for supply & providing post formed clerical, sorting machine able of 1200 x 600 x 760 mm without glass top along with side table of 750 x 375 x 575 mm	Nos	1		
8	Same as above item No. 4 but for supplying & providing post formed sorting machine table of 1200 x 600 x 760 mm without glass top along without side table of 750 x 375 x 575mm	nos	2		
9	Same as above item no 4 but for supplying & providing post formed bonding table of 900 x 900 x 760 mm without glass top along without side table of 750 x 375 x 575mm	Nos	2		
10	Same as above item but for providing shaped guard table of 1200 x 500 x 760 mm with table of 760x 375 x 575 mm to shape	Nos	1		
11	Supplying and fixing counting table of size 2400 x 1500 x 760mm (to seat 6 persons with 3 persons sitting on each side) with 450mm high partition cum enclosure between each unit both at extreme ends as well as at intermediate also, along with dividers and adequate supports for each unit using 19mm thick commercial ply wood lined with 1 mm thick decorative laminate of approved shade including all supports and stiffeners and painting the inner surfaces with two coats of matte enamel paint of approved shade over a coat of putty. The rate shall include the cost of providing and fixing 75mm x 50mm county wood foot rest also	Nos	1		
12	Supplying and assembling bunk beds of size 2000 x 750 x 1500mm high with one bed at 450 mm level and the other at 1150 mm lvi to accomadate 2 persons, supported at all corners with 75 x 50mm Padauk frames along with using 19mm thick commercial ply wood at sides and verticals with 300mm wide ladder fixed at free end made from 40 x 40mm country wood padauk frames with rungs at not higher than 250mm including polishing and finishing with sealer melamine matte finish tinted to approved colour and shade	Nos	4		
13	Supply and fixing a 5mm glass mirror at gents & ladies sleeping room complete,	Sqm	2		
	Total				

Signature of contractors

Date:
Place :

SCHEDULE OF QUANTITIES					
CIVIL AND INTERIOR WORKS					
S.No.	Description works	Unit	Qty	Rate	Amount
	FOR BRANCH AREA				
1	Dismantling works				
1.1	Dismantling the existing toilet sunken portion in the first floor toilet including carting away the rubbish to an unobjectionable place away from the site	cum	4		
1.2	Raising the existing flooring for the proposed toilet area with 1:3:6 PCC with 20mm and down grade brick aggregate	cum	4		
1.3	Hacking the existing flooring at close intervals on the existing mosaic flooring including acid washing and clean drying the area to receive the new flooring	sqm	373		
1.4	Dismantling the existing plastering and the dadoing from the walls of the toilet along with removing the water line pipes and carting away the rubbish to an unobjectionable place away from the site. The rate shall include the cost of proving and plugging the water inlet line temporarily with sufficient number of Gplugs.	sqm	60		
1.5	Dismantling the existing sanitary fixtures in the toilet along with any concealed / open brackets and carting away the rubbish to an unobjectionable place away from the site	job	3		
1.6	Dismantling the existing sanitary concealed and open pipes in the toilet along with any floor sumps and carting away the rubbish to an unobjectionable place away from the site	job	3		
1.7	Dismantling the existing concealed and open plumbing pipes in floors of the toilet along with gate valves and other plumbing fixtures and catering away the rubbish to an unobjectionable place away from the site.	Job	1		
1.8	Providing patch work plastering at the dismantled area of wall including curing	sqm	17		
1.9	Supply and fixing 110 mm dia PVC rain water down pipe for the damaged pipes including necessary specials such ad bend shoe outlet inlet MS clamps etc	mt	15		
1.10	Dismantling the existing thermocol grid / gypsum board false ceiling without damages the frame including carting away the unserviceable materials away from the site	sqm	18		

S.No.	Description works	Unit	Qty	Rate	Amount
1.11	Extension the existing sump / drain manholes including brick work plastering and provide new cement readymade manhole cover various size of 600 x 600 mm including fixing curing leveling etc complete	Nos	6		
1.12	Same as above but size of 450 x 450mm manhole cover	Nos	3		
2	Flooring				
2.1	Providing and laying at all levels and for all leads, first quality mirror polished 9/10 mm thick full body vitrified tile flooring of 600mm x 600mm size, for banking hall and other public areas of approved shade, free from cracks, warpage fissures and flakes with straight edges and perfect corner laid at right angle as per design and pattern over a bedding of bedding of cement mortar of 20 mm thick CM 1:5 finishing the joints neatly with white cement mixed with matching colour pigment and finished in all respect and all materials and labour complete. Basic rate of tiles shall be Rs. 500/- per sqm	sqm	265		
2.2	Providing and laying at all levels and all leads, first quality black coloured mirror polished 9/10 mm thick full body vitrified tile skirting by cutting the full tiles into 8 equal pieces of each 750mm height for laying them in the banking hall and other public areas of approved shade, free from cracks, warpage, fissures and flakes with straight edges and perfect corner laid at right angle as per design and pattern over a bedding of cement mortar of 20mm thick CM 1:5 finishing the joints neatly with white cement mixed with matching colour pigment and finished in all respect and all material and labour complete basic rate of tiles shall be Rs. 800/- per sqm	mt	45		
2.3	Providing and laying at all levels and for all leads, first quality pre – glazed rectified ceramic tiles for flooring using tiles of size 400 mm x 400mm, 6/7 mm thick,, for non – banking hall and other non public areas of approved shade, free from cracks warpage fissures and flakes with straight edges and perfect corner laid at right angle as per design and pattern over a bedding of cement mortar of 20mm thick CM 1:5 finishing the joints neatly with white cement mixed with matching colour pigment and finished in all respect and all material and labour complete. Basic rate of tiles shall be Rs. 440/- per sqm	sqm	51		

S.No.	Description works	Unit	Qty	Rate	Amount
2.4	Providing and laying at all levels and for all leads, first quality pre – glazed rectified ceramic tiles for skirting for non – banking hall and other non – public area by cutting the full tiles of size 400 mm x 400mm x 6/7 mm thick into 6 equal pieces of each 75mm height free from cracks, warpage, fissures and flakes with straight edges and perfect corner laid at right angle as per design and pattern over a bedding of cement mortar of 20mm thick CM 1:5 fishing the joints neatly with white cement mixed with matching colour pigment and finished in all respect and all material and labour complete. Basic rate of tiles shall be Rs. 440/- per sqm	mt	32		
2.5	Providing and laying at all levels and for leads, first quality anti – skid rectified ceramic tiles for flooring for toilets using tiles of size 300 x 300mm, 6/7 mm thick of approved shade, free from cracks, warpage, fissures and flakes with straight edges and perfect corner laid at right angle as per design and pattern over a bedding of cement mortar of 20mm thick CM 1:5 finishing the joints neatly with white cement mixed with matching colour pigment and finished in all respect and all material and labour complete. Basic rate of tiles shall be Rs. 400/- per sq.m	sqm	23		
2.6	Providing and fixing glazed ceramic dadoing at all levies and all leads, using tiles of 200 x 300 mm size of approved shade and make first quality free from crack fissures & flakes with straight edges & perfect corners fixed at right angles as per the design and pattern, if required, including applying 12mm thick backing plaster in 1:4 CM and fixing the tiles neat cement paste, and finishing the joints with white cement mixed with coloring pigments t match the colour of tiles properly cured & finished in all respects, etc complete . Basic ate of tiles shall be Rs. 420 per sqm	sqm	76		
3	PAINTING				
3.1	WHITE WASH				
	Providing and applying 3 coats of white wash at all levels and leads to plastered ceiling concrete surfaces including providing necessary scaffolding surface preparation mixing DDL binder blue etc complete as per IS : 712 Latest Edition. If additional coats are required to obtain uniform and smooth finish the same shall be carried out at not extra costs	sqm	482		

S.No.	Description works	Unit	Qty	Rate	Amount
3.2	BIRLA WALL CARE PUTTY				
	Providing and applying 2 coats (first coat with rough finish and final coat with smooth finish) of Birla wall care utty and shade on all surfaces at all levels and leads and heights to given an even shade including primer and full putty after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and sand papered smooth etc. al material and labour complete in ground and first floor for interior and exterior wall	sqm	410		
3.3	OIL BOUND DISTEMPER (INTERIOR GRADE)				
	Providing and applying 2 coats (first coat with brush and final coat with roller) of OBD paint of approved make and shade on all surfaces and at all levels and leads heights to give an even shade including primer after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even papered smooth etc. all material and labour complete in ground and first floor	sqm	228		
3.4	ACRYLIC EMULSION PAINT (INTERIOR GRADE)				
	Providing and applying 2 coats (first coat with brush and final coat with roller) of acrylic emulsion paint of approved make and shade on all surfaces and at all levels and leads heights to given an even shade including primer after throughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and sand papered smooth etc. all material and labour complete in ground and first floor	sqm	182		
3.5	ENAMEL PAINT				
	Providing and applying 2 coats of synthetic enamel paint 1 st quality of approved manufacturer and shades on wooden surfaces at all levels and leads to given and even shade including one coat of primer and full putty after thoroughly brushing the surface frree rust and other foreign matter and also including preparing the surface even and sand papered smooth etc. all material and labour complete in ground floor and first floor	sqm	190		

S.No.	Description works	Unit	Qty	Rate	Amount
B	SCHEDULE OF QUANTITIES FOR INTERIOR WORKS				
A	PARTITION WORKS				
1	Providing and fixing double skin full height partitions of upto 2600 mm or near about height using 50mm x 50mm com. ply wood lined on both sides and lining with 1mm thk. lamination of approved shade and texture along with grooves. The rate shall include the cost of providing skirting of 100 mm wide lined with 1mm thk laminate and providing and fixing a border at top of 100mm wide lined with 1mm thk laminates as shown in drawings complete. The rate shall also include the cost of providing and fixing door frame shutters of matching laminate on both sides fixed to partition with 3 nos of 100 mm long brass hinges. The partition shall be rigidly fixed to be ceiling with adequate timber supports above false ceiling which will not be considered for payment	sqm	81		
2	Providing and fixing double skin full height glazed partitions of upto 2600 mm or near about height using 50mm x 50mm C.W (first quality padauk) frames in both directions as shown in drgs. along with 6mm thick com. ply wood (MR) lined on both sides and lining with 1mm thk. lamination of approved shade and texture along with grooves. The rates shall include the cost of providing skirting of 100mm wide lined with 1mm thk laminate and providing & fixing a border at top of 100mm wide lined with 1mm thk laminates as shown in drawings complete. The rate shall also including the cost providing skirting of 100mm wide lined with 1 mm thk laminate and providing & fixing a border at tope of 100mm wide lined with 1mm thk laminates as shown in drawings complete. The rate shall also include the cost of providing and fixing door frame shutters of matching laminate on both sides fixed to partition with 3 nos of 100mm long brass hinges the rates shall also include the cost of providing and fixing to partition with 3 nos of 100mm long brass hinges. The rte shall also include the cost of providing and fixing single pieces 6mm thk. clear float glass from skirting to 2150 mm ht. including fixing 12 mm thk. TW beading finished and polished to melamine matte finish tinted to approved colour and shade. The partition shall be rigidly to the ceiling with adey.	sqm	117		

S.No.	Description works	Unit	Qty	Rate	Amount
3	Providing and fixing single skin partitions above false ceiling (where false ceiling is provided only on one side) for a height of upto 600mm or near about using 50mm x 75mm C.W (first quality Padauk) frames along with 6mm thick MR ply wood lined on only one side and lining with linking with 1mm thk. lamination of approved shade and texture along with grooves	sqm	9		
4	Providing and fixing double skin low height partitions of upto 1400 mm or near about height using 50mm x 75mm C.W (first quality Padauk) frames in both directions as shown in drgs. along with 6mm thick commercial ply wood. (MR) lined on both sides and lining with 1mm thk. lamination of approved shade and textures along with grooves. The rate shall include the cost of providing skirting of 100mm wide lined with 1mm thk laminate and providing & fixing a border at top of 100mm wide lined with 1mm thk laminate as shown in drawings complete. The rate shall also include the cost of providing and fixing teak wood times of size not less than 75 mm x 20mm to shape for all exposed edges of top and sides including polishing and finishing with melamine mattle finish tinted to approved shade and texture	sqm	13		
5	Providing and fixing circular column cladding of ht. upto 2590 mm using 50mm x 50mm C.W frames in both directions as shown in drawings along with 6mm thick commercial ply wood (MR) lined with 1.0 mm thick ordinary lamination of approved brand, shade along with grooves including providing & laminating with two bands of 150mm wide aluminum metallic laminate of approved texture and finish.	sqm	18		
6	Providing and fixing pinup board of size 900 x 1500 mm using 40 x 40mm TW frame lined with 12 mm thk soft board which inturn covered with Maroon shade fabric	No	2		
7	Supplying and fixing box enclosure without rear ply supported suitably on the walls with locking arrangement for the main panel board and electrical meter of size 1500 mm wide, 450mm deep and upto 2150 mm height using 19mm thick commercial ply wood. The exposed surfaces shall be lined with 1.0 mm thick decorative laminations & the inner surface shall be painted with two coats of enamel paint of approved shade over a coat of putty and complete. The shutters shall have brass cut hinges and shall have 2 nos of readymade wooden louvers too and bottom.	sqm	6.30		

S.No.	Description works	Unit	Qty	Rate	Amount
B	False ceiling works				
1	<p>Providing and fixing at all height false ceiling of 12.5mm thick tapered edge gypsum board conforming to IS 2095 including providing and fixing of frame work made of special sections power pressed from MS sections and galvanized in accordance with zinc coating 600 as per IS : 277 and consisting of MS angles cleats of size 25mm wide 16mm thick with flanges of 22 mm and 37 mm at 1200mm centre to centre one edge fixed to the ceiling with dash fastener 12.5mm dia x 40mm long with 6mm dia bolts to the angle hangers of 25 x 25 x 5 mm of required length and other end of angle hanger being fixed to being fixed with nuts and bolts to GI channels 45mm x 15mm x 0.90 mm running at the rate of 1200 centre to centre to which the ceiling section 0.5mm thick bottom edge of 80mm with tapered</p> <p>flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed to the direction perpendicular to GI channel with connecting clips made out of 2.64 mm dia x 230mm long GI wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.50 mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to the wall / partition with the help of rawl plugs at 450mm centre to centre with 25mm long drive – all screws @ 230mm interval including joining and fixing to a flush finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, finisher including painting with two or more coats acrylic emulsion paint (white / pine Apple shade – 908/399 of Asian paints) over a coat of primer of approved make and shade and the cost of making openings for light fittings, AC diffusers and continuous grills, cutouts made with frame of perimeter channels suitably fixed complete. The rate shall hold good for laying the false ceiling for the vertical surfaces also (with levels) payments to be made for all the exposed surfaces onlet</p>	sqm	284		
2	Providing and fixing POP cornice to cover the corners of the following sizes including painting with two coats of emulsion paints				
2.1	75 x 75mm (general staff area)	Rmt	55		
2.2	100 x 100mm (for diffused lighting in general staff area)	Rmt	43		

S.No.	Description works	Unit	Qty	Rate	Amount
C	Miscellaneous works				
	Counters (including cash)				
1	Providing and assembling cash counter units to shape as shown in drawings of size not less than 1200 x 760 x 760 inside ht x 1200 mm outside ht with drawers and shelves on one side, and keyboard drawer for each counter as shown in drawings using 19mm thick commercial plywood lined with 1.0mm thk. lamination for all the exposed surfaces including finishing & painting with 2 coats of enamel paint over a coat of primer and putty for all the inner surfaces. The rate shall include the cost of efficient make multipurpose lock (common keys) to doors, drawers & key board drawer along with handles as shown in drawing. The rate also to include providing and fixing and painting a foot rest using 75 x 25 mm size 1 st class seasoned country frame as per drawing. Payment will be made only on the centerline measurement. The rate shall include the cost of providing skirting of 100mm wide lined with 1.0 mm thk laminate and providing & fixing a border at top of 100mm wide lined with 1.0 mm thk laminate as shown in drawings complete. The rate shall also include the cost of providing and fixing a H- cabinet for keeping the CPU	Rmt	9.78		
2	Providing and fixing 10mm thk toughened clear float glass to shape for front side of the cash counters including cutting the holes, and providing and fixing TW beading polished and tinted to approved shade	sqm	11		
3	Providing and fixing curved decorative box of 150mm wide x 1500 mm high to shape fixed to the high level cash counters using 19mm thick commercial plywood for sides along with 6mm thick fo curved surfaces including the lining the exposed surfaces with matching laminates as in cash counters	No	7		
4	Supplying and fixing 10mm thick clear float toughened glass shutter including all accessories required, supported by approved make patch fittings glass pivot and hinges with locking arrangements including providing and fixing a pair of 300mm high and 25mm dia CP Brass "V" shaped handle on both sides, lock pivots etc	sqm	5		
5	Same as above but for fixed portion with out handles and locks	sqm	5		

S.No.	Description works	Unit	Qty	Rate	Amount
6	Supplying and fixing of approved make glass pivot cum door closer and hinges with locking arrangements including making classes in flooring and making good the same with CC grouting to match with the exiting flooring	Set	2		
7	Supplying and fixing of Godrej mortise lock with round head	Nos	7		
8	Supplying and fixing of Godrej mortise latch	Nos	5		
9	Supplying and fixing of efficient make door stoppers	Nos	7		
10	Supplying and fixing of efficient make door closers	Nos	7		
11	Supplying and fixing of challan pigeon box for a size of 1800mm x 600 mm high x 200mm deep complete 19mm plywood alround along with 12mm thk ply at 125mm intervals on both directions including lining the inner and all exposed surfaces with 1mm thk lamination.	Nos	2		
12	Providing and fixing plywood false ceiling work to cover the rolling shutter using 12mm thick BWR plywood with necessary frame work including providing open able arrangement for servicing the rolling shutters. The rate shall include the cost of ining with 3mm veneer on all the exposed surfaces including polishing and finishing with melamine mattle finish tinted to approved shade and texture	Sqm	14		
13	Providing and fixing wicket gate with single or double leaf shutters using 18mm thick commercial flush door shutter lined with 1.0 mm thk lamination on both sides. The rate shall include the cost of painting the frame and necessary hardwares etc. complete. The rate shall include the cost of providing skirting of 100mm wide lined with 1.0mm thk laminate	sqm	3		
14	Providing and fixing integrated pelmet cum AC boxing 375/ 450mm high and 115 wide made out of 12mm thk commercial plywood and lined with 1mm thk lamination along with providing and fixing TW lipping on all the exposed surfaces along with painting the inner surfaces with 2 coats of enamel paint over a coat of full putty and primer	Rmt	5		

S.No.	Description works	Unit	Qty	Rate	Amount
15	Providing and fixing factory made flush door for an opening size of 900 x 2130 mm high using 300 mm thk flush door shutter with 100 x 60mm country wood door frames around the door opening and lining the flush shutter with 1 mm thick decorative laminate on both side including painting and finishing the door frames with two coats of matt enamel paint over a coat of primer and full putty. The rate shall include the cost of necessary hardwares brass hinges mortice latch handles etc.	No	10		
16	Providing and fixing trap door (4 Nos each with 1.5 sq.m area) for accessing the AC ductable split unit using 50 x 50 mm frame, on around along with providing and fixing removable 12mm thk commercial plywood painted with 2 coats of enamel paint over one coat of patty water proof	sqm	7		
D	Fixed furniture's & cupboard				
1	Supplying and fixing post formed storage cupboards of 450mm wide varying height of 750 to 2450mm with top and front shutters post formed using 19mm thick water proof (BWP) ply wood as dividers and verticals along with 6mm ink. (MR) ply wood at the back. The inner surfaces shall be painted with two coats of enamel paint (Arctic white – 28 – 0824 of ICI paints or equivalent) over a coat of putty and complete with efficient locks (6 locks with 1 common key) The shutters shall have auto closing hinges. The rate shall also include the cost of providing skirting of 100mm wide lined with 1 mm thk laminate	sqm	18		
2	Supplying and fixing of Acrylic vertical blinds 100mm wide panel of approved make for a height not less than 1500mm with all accessories including tracks and cutting the cutting the panels to suit the openings	sqm	14		
3	Supply and providing dining table of 2100 mm x 750mm wide fixed with country wood frame of size 50 x 50 along with 1mm thk lamination including polishing the legs to approved shade complete	No	1		
E	Furniture and Tables				
1	Supplying high back revolving adjustable chair with gas stroke on castor wheels with ABS moulded seat and back, including arm rest and upholstred with Maroon shade fabric	No	1		

S.No.	Description works	Unit	Qty	Rate	Amount
2	Supplying medium back revolving adjustable chair with gas stroke on castor wheels with ABS moulded seat and back including arm rest and upholstered with Maroon shade fabric	No	14		
3	Same as above item but supplying Visitors chairs with out arm	No.	13		
4	Supplying perforated airport type 3 seater for Visitors	No	3		
5	Providing powder coated independent metal (maroon colour) perforated chairs with legs and arm rest	No	6		
6	Providing Manager table to shape of size of 1800 x 915 x 760 mm ht with drawers and shelves on the side file cabinet on other side, and keyboard drawer using 19mm thick commercial plywood lined with 1mm thk lamination for all the exposed surfaces along with providing and fixing modesty panel with all supports and stiffeners and finishing and the inner surfaces with two coats of enamel paint and fixing efficient make multipurpose lock (common keys) to doors, drawers & key board drawer along with handles as shown in drawing including providing and fixing a foot rest using 75 x 40 mm size 1 st class seasoned country wood. the rate shall also include the cost of providing and assembling the side table of size 1000 x 450 x 575 mm with drawer and shelves. The rate shall also include the cost of polishing and finishing al the exposed surfaces with melamine matte finish tinted to approved shade and texture and provided and laying 6mm thk tinted glass complete	Nos	1		
7	Same as above item No. 4 but for supplying and providing post formed officer table of 1500 x 760 x 760 mm without glass top along with side table of 900 x 375 x 575mm	Nos	5		
8	Same as above item No.4 but for supplying and providing post formed clerical table of 1200 x 600 x 760 mm without glass top along with side table of 750 x 375 x 575mm	Nos	3		
	Total				

Signature of contractors

Date:
Place :

SCHEDULE OF QUANTITIES

ELECTRICAL AND OTHER ALLIED WORKS

S.No.	Description works	Unit	Qty	Rate	Amount
C	For currency chest				
1	Panel Board and distribution Board				
1.1	Supply, installation and commissioning of extensible, floor mounting type sub – panel board-2 (for currency chest) made out of 16G CRCA steel sheet in welded construction along with suitable and compact cable chambers at top and bottom to receive incoming and outgoing LTUG aluminum cables including necessary stiffeners, self supporting, modular constructionist, comport metalized pattern complete with copper wire with cable marking ferrules, ring main earthing with 25 x 3 mm copper flat, earthing of all switch gear components with adequate size of solid copper wire / strip tinning at all tapping connections complete as required. The copper bus bar flat shall be provided for the entire length of bus chamber. The panel board shall be powder coated to Siemens grey shade after undergoing 7 tank process. The rate shall include the cost of providing necessary channel for erection complete with anchor fastouted bolt and nuts etc. and all civil work for grouting the panel.				
	The panel shall be provided with the following				
	Incoming : 1 No – 125 A TPN 35KA MCCB Outgoing : 1 No – 100 A TPN 35KA MCCB 2 No – 63 A TPN 35KA MCCB 1 No – 40 A TPN 35KA MCCB 1 No – 32 A TPN 35KA MCCB 1 No instrument panel comprising of 1 No. 0-500 V 75mm square flush mounting Digital Voltmeter will built in selector switch 1 No. 0-200 A 75mm sq flush mounting Digital Ammeter with built in selector switch and 3 Nos. 200/5A, 10VA C1: 1 Accuracy resin cast CTs One set of phase indicator LED lamps for each phase (RYB) along with suitable fuse/MEB protection. 1 set 200 A capacity copper bus bars with 1R 32mm x 6mm copper flat for phase and 1R 25mm x 6mm copper flat for neutral duly insulated with PVC colour sleeve (heat shrink) mounted on SMC/DMC base block	No	1		
1.2	Supply and fixing of 125A 4P onload change over switch with enclosure on suitable wall mounting angle iron frame work along with suitable cable box on top and bottom	No	1		

S.No.	Description works	Unit	Qty	Rate	Amount
1.3	<p>Supply, installation, testing and commissioning of double door, wall mounting 6W – TPN 7 Segment MCB Distribution board (PDB – 2 for currency chest) Fabricated out of 16 G CRCA sheet steel, powder coated and with 10 KA type ‘C’ MCB’s. The rate shall include the cost of chasing the wall and concealing the same including making good the surface smooth to receive the putty and painting the DB shall comprise of the following.</p> <p>Incoming :</p> <p>1 No – 100 A 4 Pole MCB Isolator</p> <p>Outgoing :</p> <p>3 Nos – 63A DP 100m A ELBC</p> <p>18 Nos – 25 / 20 A SP MCB</p>	No	1		
1.4	<p>Supply, installation testing and commissioning of double door wall mounting 4 W TPN 7 segment MCB distribution board (LDB – 2 for currency chest) fabricated out of 16 G CRCA sheet steel, powder coated and with 10KA type ‘C’ MCBs. The rate shall include the cost of chasing the wall and concealing the same including making good the surface smooth to receive the putty and painting. The DB shall comprise of the following</p> <p>Incoming :</p> <p>1 No – 63 A 4 Pole MCB Isolator</p> <p>Outgoing :</p> <p>3 Nos – 32A DP 30m A RCBO</p> <p>12 Nos – 10 / 6A SP MCB</p>	No	1		
1.5	<p>Supply, installation testing and commissioning of double door wall mounting 6 W SPN MCB distribution board (LDB Emergency 2 for chest) fabricated out of 17 G CRCA sheet steel, powder coated and with 10KA type ‘C’ MCBs. The rate shall include the cost of chasing the wall and concealing the same including making good the surface smooth to receive the putty and painting. The DB shall comprise of the following</p> <p>Incoming :</p> <p>1 No – 32A DP MCB</p> <p>Outgoing :</p> <p>6 Nos – 10/6 A SP MCB</p>	No	1		
1.6	<p>Supply Installation testing and commissioning of double door wall mounting 4W TPN vertical type MCB distribution board (UPS Main DB 2 for currency Chest) fabricated out of 16 G CRCA she steel, powder coated and with 10KA type ‘C’ MCBs (near sub- panel board-1) The rate shall include supply and fixing of wall mounting angle iron frame work duly painted with one coat of redoxide primer and two coats of enamel paint</p>				

S.No.	Description works	Unit	Qty	Rate	Amount
	Incoming : 1 No – 63 A 4 Pole MCB Isolator Outgoing : 3 Nos – 32A TP MCB	No	1		
1.7	Supply, installation, testing and commissioning of double door wall Mounting 6W, SPN MCB distribution board (UPS DB- 1 and 2 for currency chest) fabricated out of 16 G CRCA sheet steel, powder coated and with 10KA type 'C' MCBs. The DB shall comprise of the following. Incoming : 1 No – 40A DP MCB Outgoing : 6 Nos – 10/6A SP MCB Isolating switches	No	2		
1.8	Supply, installation, testing and commissioning of 32A DP MCB in manufactures sheet steel enclosure, fixed on the wall including all interconnection and accessories	No	4		
1.9	Supplying and fixing 63A DP type automatic change over switch in suitable enclosures	No	1		
1.10	Supply and fixing of 63A rated 3 Phase to single phase Automatic Phase Shifter on wall	No	2		
2	Cable and cables terminations				
2.1	Supply and laying of the following sizes of LT UG cable laid above the ground and clamping the same at adequate intervals to the slab / beam / wall				
2.1.1	3 ½ C 70 sqmm XLPE Aluminium conductor cable	mt	20		
2.1.2	3 ½ C 50 sqmm XLPE Aluminium conductor cable	mt	40		
2.1.3	3 ½ C 25 sqmm XLPE Aluminium conductor cable	mt	15		
2.1.4	4C 10 sqmm copper conductor cable	mt	10		
2.1.5	2C 6 sqmm copper conductor cable	mt	25		
2.2	Providing and terminations for the following LTUG cables using flanges type brass cable gland and aluminum copper crimping socket including earthing the cable glands with copper earth clamp and connecting the same to earth along with 14SWG copper earth wire for the following cables.				
2.2.1	3 ½ C 70 sqmm XLPE Aluminium conductor cable	No	4		

S.No.	Description works	Unit	Qty	Rate	Amount
2.2.2	3 ½ C 50 sqmm XLPE Aluminium conductor cable	No	4		
2.2.3	3 ½ C 25 sqmm XLPE Aluminium conductor cable	No	2		
2.2.4	4C 10 sqmm copper conductor cable	No	2		
2.2.5	2C 6 sqmm copper conductor cable	No	4		
2.3	Supply & laying of 2 runs of 6 sqmm plus 1 run of 2.5 sqmm copper conductor wire drawn through the 20/25mm dia PVC conduit pipes and flexible hose wherever required. The rate shall include the cost of providing, laying and concealing the PVC conduits including all accessories in walls, floors, partitions etc	Mt	12		
2.4	Supply & laying of 2 runs of 6 sqmm plus 1 run of 2.5 sqmm copper conductor wire drawn through the 20/25mm dia PVC conduit pipes and flexible hose wherever required. The rate shall include the cost of providing, laying and concealing the PVC conduits including all accessories in walls, floors, partitions etc	Mt	10		
3	Power wiring				
3.1	Wiring for 20 A metal clad sockets and 16A switched sockets with 2R 4 Sqmm + 1R 2.5 sqmm PVC insulated multi stranded copper wire drawn in 20/25mm pvc conduits, to be clamped on wall ceiling etc, embedding the same in floor wall etc with all accessories	Mt	120		
3.2	Supply and fixing 20A – 3 pin metal clad socket with plug controlled by a 20A SP MCB housed in manufactures MS powder coated box to be concealed in wall	No	3		
3.3	Providing and fixing 20 A modular 3 pin socket with 20 A switch	No	3		
3.4	Wiring for 6/16A switches sockets with 2R 4 Sqmm + 1R 2.5 sqmm PVC insulated multi stranded copper wire drawn in 20/25 mm PVC conduits, to be clamped on wall ceiling etc. embedding the same in floor, wall etc with all accessories for all cash counting, sorting & bundling machines	Mt	120		
3.5	Supplying and fixing 6/16A shuttered socket outlet controlled by 20 A SP switch (with indicator) with front plate housed in a suitable electro plated sheet metal box of approved make box of approved make box recessed in wall	No	7		

S.No.	Description works	Unit	Qty	Rate	Amount
	Lighting				
4	Wiring of light fan points				
	Providing and laying point wiring for lights, fans, exhaust fan, 6A plug points, etc party laid in surface conduits (above false ceiling) and necessary concealed in recessed conduits in wall/ partition / vertical drops etc and also in areas where no false ceiling is provided except in safe room and locker room with 3 runs of 1.5 sq.mm PVC insulated flame retardant low smoke cable (FRLS) with copper conductor in 20/25 mm dia PVC conduct pipe 16G thick as per IS 9537 part II including all accessories like base clamp, bends, couplings, junction, boxes, rubber bushes etc., along with supplying and fixing 6a modular type switches of approved make with front plate for control housed in metal boxes recessed in wall partitions made from electro plated sheet metal box of approved make including giving and fixing necessary threaded MS powder coated ceiling suspended pipe/ rod along with slotted U channel including securing the same wouted bolt and nuts, etc, and all civil work for gr.				
4.1	1 light controlled by one switch	No	42		
4.2	2 light controlled by one switch	No	5		
4.3	3 light controlled by one switch	No	1		
4.4	Ceiling fan point along with 100W step type electronic regulator	No	16		
4.5	Same as item No. 1.5 but for exhaust fan excluding regulator	No	4		
4.6	Wiring for call bell point with modular bell push, modular type buzzer with 6A modular type switch	No	1		
4.7	Wiring for of 6A multi pin socket in the switch box along with 6A modular type switch	No	8		
4.8	Wiring for Independent 6A multi pin socket along with 6A modular type switches	No	12		
4.9	Supplying and laying lighting circuit mains party in surface conduits and necessarily concealed in recessed conduits in wall / partition / vertical drops etc and also in areas where no false ceiling is provided except in safe room and locker room with 2 runs of 2.5 sq.mm plus 1 run of 1.5 sqmm PVC insulated flame retardant Low smoke cable (FRLS) with copper conductor in 20/25 dia, PVC conduit pipe 16G thick as per IS 9537 part II including as accessories like base clamp, bends, couplings, junction boxes, rubber brushes etc. The rate shall include the cost of providing and fixing necessary threaded MS powder coated ceiling suspended pipe/rod along with slotted U channel including securing the same with clamp/ cable tie as required where ever required ends connected with suitable copper cable sockets and cable marking ferrules as required circuit wiring measured from the DB to the first switch control box only. Looping circuit shall be part of the point within which will not be measured for payment	Mt	96		

S.No.	Description works	Unit	Qty	Rate	Amount
5	Supply for fixing light fittings and fans supply of following fixtures inducing testing and commissioning complete with all accessories like electronic ballast, starter, lamps etc and also the necessary mounting accessories (Light fittings may be supplied by the bank)				
5.1	Supply of recess mounting mirror optic dark light luminare with 2 x 36 W CFL (WCP 17236 of Wipro) along with providing and fixing electronic ballast	No	13		
5.2	Supply of recess mounted down light (WCP 42218 of Wipro) with fresnel lens with 2 x 11 W CFL lamp	No	9		
5.3	Supply of recess mounted down light (WCP 23111 of Wipro) with fresnel lens with 1 x 11 W CFL lamp	No	5		
5.4	Supply of 1 x 28W – T5 tube light fixture along with electronic ballast and lamp (WIF 21128 of Wipro)	No	15		
5.5	Supply of 2 x 28W – T5 tube light fixture along with electronic ballast and lamp (WIF 21128 of Wipro)	No	9		
5.6	Supply of 300mm dia light duty exhaust fan (A900 rpm) along with auto gravity louvre	No	4		
5.7	Supply of 1200 mm dia ceiling fan including required painted MS down rods includes providing & fixing ms fan hooks	No	16		
5.8	Supply of 450mm dia wall mounted fan	No	8		
6	Labour for fixing light fittings and fans Installation of following light fittings complete with all accessories like and also the necessary mounting accessories (light fittings to be paid separately)				
6.1	Charge for fixing testing of recess mounting mirror optic dark light fixture light luminare with 2 x 36 W CFL (WCP 17236 of Wipro) along with providing and fixing heavy duty chain or auto clutch wire with end clamps	No	13		
6.2	Charges for fixing, testing of recess mounted down light (WCP 42218 of Wipro) with fresnel lens with 2 x 11W CFL lamp	No	9		
6.3	Charges for fixing, testing of recess mounted down light (WCP 23111 of Wipro) with fresnel lens with 1 x 11W CFL lamp	No	5		

S.No.	Description works	Unit	Qty	Rate	Amount
6.4	Charges for fixing, testing of 1 x 28 W – T5 tube light fixture along with electronic ballast and lamp (WIF 21128 of Wipro)	No	15		
6.5	Charges for fixing, testing of 2 x 28 W – T5 tube light fixture along with electronic ballast and lamp (WIF 21128 of Wipro) including providing and fixing a pair of MS Pipes	No	9		
6.6	Charges for fixing, testing of 300mm dia light duty exhaust fan (900rpm) in the existing opening providing and fixing ms fan hooks	No	4		
6.7	Charges for fixing, testing of 1200mm dia ceiling fan including required painted MS down rods including providing & fixing ms fan hooks	No	16		
6.8	Charges for fixing testing of 450mm dia wall mounted fan	No	8		
7	Sound system				
7.1	Providing and fixing 20mm dia rigid PVC pipe 2mm thick along with accessories laid above 20mm dia PVC conduit including clamping the same to wall/ slab / beams / partitions etc along with providing suitable GI guide wire	Mtr	25		
7.2	Supply and laying of 2 Core 24/0.2 mm ATC Twin Twisted speaker wire within the above 20mm dia PVC conduit including giving connections	Mtr	90		
7.3	Supply and installation of Philips / Bosch make 6W false ceiling mounted speaker with necessary accessories including line matching transformer	No	5		
7.4	Providing and fixing resistance type volume control knob along with modular front plate housed in the manufactures zinc passivated MS box with front plate including concealing the same in the wall/ partition and making good the surfaces smooth.	No	1		
8	Telephone cabling and data				
8.1	Supply and laying of 25mm dia PVC conduit through floor, wall and partitions etc including all necessary materials from EPABX to various telephone sockets	Mt	30		
8.2	Supply and laying of 32mm dia PVC conduit through floor, wall and partitions etc including all necessary materials from HUB to computer nodes	mt	10		
8.3	Supply and laying of 0.6mm dia copper conductor, PVC insulated 2 pair telephone cable through the above PVC conduit	Mt	70		

S.No.	Description works	Unit	Qty	Rate	Amount
8.4	Supply and laying of 0.6mm dia copper conductor, PVC insulated 5 pair telephone cable through the above PVC conduit	Mt	10		
8.5	Supply and installation of modular type single RJ -11 telephone socket housed in the manufactures zinc passivated MS box with front plate	No	4		
8.6	Supply and installation of modular type single RJ -11 telephone socket housed in the manufactures zinc passivated MS box with front plate	No	1		
8.7	Supply and laying 20 pair krone connector housed in heavy duty ABS plastic mould with suitable locking arrangements	No	1		
9	UPS wiring				
9.1	Supply and installation of 3R 2.5 sqmm PVC insulated multi strand FRLS copper wire drawn in 20/25 mm dia PVC conduit to be laid partitions etc complete with all accessories (looping 2 sets of 3x 6A sockets in one circuit) including providing necessary marking of circuits with ferrules	Mt	35		
9.2	Supply and installation of 2 nos of multi pin 6A modular shuttered sockets controlled by 2 Nos 6A modular type switches housed in MS box to be fixed in partitions or concealed on wall	No	4		
9.3	Supply and installation of 3 Nos of multi pin 6A modular shuttered sockets controlled by 2 nos 6A modular type switches housed in MS box to be fixed in partitions or concealed on wall	No	4		
9.4	Supply and installation of 2 Nos 16A 5 pin socket with 2 nos of 16a modular switches housed in MS fabricated box to be concealed in wall partition for server and line printer	No	1		
9.5	Supply and fixing 20A modular master double pole switch with front plate housed in suitable zinc passivated metal box to be fixed in partitions or concealed in walls	No	4		
10	Earthing				
10.1	Supply, installation, testing and commissioning of cast iron earth electrode as per IS 3043 using 100 mm dia x 5/6 mm thick cast iron pipe 3.0m long with funnel. The pipe shall be buried to the 3m depth with alternate layers of salt and charcoal. The rate shall include the cost of providing 450 x 450 x 300mm brick masonry chamber covered with removable FRC cover with holes to receive water along with RCC outer frame	No	2		

S.No.	Description works	Unit	Qty	Rate	Amount
10.2	Supply, installation, testing and commissioning of copper plates earth (only for UPS neutral earth) electrode using 300 x 300 x 3mm with 25mm dia GI pipe with funnel for a 2.4m long. The pipe shall be buried to the 2.4m depth with alternate layers of salt and charcoal; The rate shall include the cost of providing 450 x450x 300 mm brick masonry chamber covered with removable FRC cover with holes to receive water along with RCC outer frame.	No	2		
10.3	Supply, installation, testing and commissioning of 40mm dia GI pipe earth electrode 2.4m long with funnel (only for UPS body earth), The pipe shall be buried to the 2.4m depth with alternate layers of salt and charcoal. The rate shall include the cost of providing 450 x 450 x 300mm brick masonry chamber covered with removable FRC cover with holes to receive water along with RCC outer frame	No.	6		
10.4	Supply and laying of 25/3 copper for earthing the main panel board & sub main panel boards suitably clamped on wall or buried underground.	Mt	20		
10.5	Supplying and laying of 10 SWG copper wire for earthing. The rate shall include the cost of providing and fixing earth bus using 25 x 3 mm copper flat with holes for tapping connections with brass bolts and nuts.	Mt	50		
10.6	Supply and laying of 8SWG copper wire for earthing	Mt	60		
10.7	Supply and laying of single core 10 sqmm PVC insulated copper conductor wire for earthing in suitable PVC conduits	Mt	20		
	Total				

Signature of contractors

Date:
Place :

SCHEDULE OF QUANTITIES					
ELECTRICAL AND OTHER ALLIED WORKS (BRANCH)					
S.No.	Description works	Unit	Qty	Rate	Amount
C	For Branch				
1	Panel Board and distribution Board				
1.1	Supply and fixing of 200A TPN FSU with HRC fuse as main switch with suitable enclosure and angle iron frame work and cable box mounted near CT metering panel	Each	1		
1.2	<p>Supply, installation, testing and commissioning of floor mounting type Main panel board made out of 16G CRCA steel sheet in welded construction along with suitable and compact cable chambers at top and bottom to receive incoming and outgoing LTUG aluminum cables including necessary stiffeners, self supporting, modular constructions, compartmentalized pattern complete with copper bus bars, solid copper inter connections etc. instrument panel, instrument wiring using 1.5 sq.mm FRLS copper wire with cable marking ferrules, ring main earthing with 25 x 3mm copper flat, earthing of all switch gear components with adequate size of solid copper wire/strip, tinning at all tapping connections complete as required. The copper bus bar flat shall be provided for the entire length of bus chamber. The panel board shall be powder coated to Siemens grey shade after undergoing 7 tank process. The rate shall include the cost of providing necessary channel for erection complete with anchor fasteners / grouted bolt and nuts etc. outed bolt and nuts etc., and all civil wor.</p> <p>the panel shall be provided with the following :</p> <p>Incoming :</p> <p>1 No – 200A TPN FSU with HRC fuses</p> <p>Outgoing :</p> <p>4 Nos – 125A TPN FSU with HRC fuses</p> <p>2 Nos – 125A TPN FSU with HRC fuses</p> <p>1.No. instrument panel comprising of 1 No.0-500 V 75 mm square flush mounting Digital Voltmeter with built in selector switch 1 No 0-200 A 75mm sq.flush mounting digital Ammeter with built in selector switch and 3 Nos 200/5A, 10VA CI: 1 accuracy resin cast Ct for metering.</p> <p>1 set of Phase indicator LED lamps for each phase (RYB) along with suitable fuse/MCB protection.</p> <p>1.No.200/5A 10VA, C1:1 accuracy resin cast CT for APFCR</p> <p>1 Set 200A capacity copper but bars with 1R 32mm x 6mm copper flat for phase and 1R 25mm x 6mm copper flat for neutral duly insulated with PVC colour sleeve (heat shrink) mounted on SMC/DMC base block</p>	No	1		

S.No.	Description works	Unit	Qty	Rate	Amount
1.3	<p>Supply, installation, testing and commissioning of extensible, floor mounting type sub- panel board -1 (for branch) made out of 16G CRCA steel sheet in welded construction along with suitable and compact cable chambers at top and bottom to receive incoming and outgoing LTUG aluminum cables including necessary stiffeners, self supporting, modular constructions, compartmentalized pattern complete with copper bus bars, solid copper interconnections etc.</p> <p>instrument panel instrument wiring using 1.5 sq.mm FRLS copper wire with cable marking ferrules, ring main earthing with 25 x 3 mm copper flat, earthing of all switch gear components with adequate size of solid copper wire / strip tinning at all tapping connection complete as required. The copper bus bar flat shall be provided for the entire length of bus chamber. The panel board shall be powder coated to siemens grey shade after undergoing 7 – tank process. The rates shall include the cost of providing necessary channel for erection complete with anchor fasteners grouted bolt and nuts etc., and all civil work for grouting the panel.</p> <p>The panel shall be provided with the following</p> <p>Incoming :</p> <p>1 No – 125A TPN 35KA MACCB</p> <p>Outgoing :</p> <p>2 No – 100A TPN 35KA MACCB</p> <p>3 Nos – 63A TPN 35KA MACCB</p> <p>1 No – 40A TPN 35KA MCCB</p> <p>1 No – 32A TPN 35KA MCCB</p> <p>1.No instrument panel comprising of 1 No 0-500 V 75 mm square flush mounting Digital voltmeter with built in selector switch and 3 Nos 200/5A, 10VA C1: 1 accuracy resin cast C.T.s)</p> <p>1 set of phase indicator LED lamps for each phase (R,Y,B) along with suitable fuse / MCB protection</p> <p>1 set 200 A capacity copper bus bars with 1R 32 mm x 6mm copper flat for phase and 1R 25mm x 8mm copper flat for neutral duly insulated with PVC colour sleeve (heat shrink) mounted on SMC/DMC base block,</p>	No	1		

S.No.	Description works	Unit	Qty	Rate	Amount
1.4	<p>Supply, installation, testing and commissioning of floor / wall mounting type 50.0 KVAR 8 stage automatic power factor correction relay (APFCR) Panel made out of 16G CRCA sheet steel in welded construction along with suitable and compact cable chambers including necessary stiffeners, self supporting, modular constructions and powder coated. The rate shall include the cost of providing necessary base channel for erection complete with anchor fasteners / bolts and nuts etc and all other connected civil works for grounding the panel. The panel shall be provided be provided with the following complete with interconnections:-</p> <p>Incoming :</p> <p>1 No. 125A TPN 35KA MCCB, 1 No 8 Stage power factor correction relay, 1 set of phase indicating lamps 1st of auto / manual switch</p> <p>Outgoing :</p> <p>8 Nos 32A TP 10KA 'C' type MCB 8 Nos – 32A TP capacitor duty contractor with on / off push button & indicating lamp 1 Nos of 2.0 KVA capacitor 1 Nos of 3.0 KVA capacitor 3 Nos of 5.0 KVA capacitor 1 Nos of 10.0 KVA capacitor 2 Nos of 15.0 KVA capacitor</p>	No	1		
1.5	Supply and fixing of 125A 4P on load change over switch with enclosure on suitable wall mounting angle iron frame work along with suitable cable box on top and bottom	No	1		
1.6	<p>Supply installation, testing and commissioning of double door, wall mounting 4W TPN 7 Segment MCB distribution board (PDB-1 for branch) fabrication out of 16 G CRCA sheet steel powder coated and with 10KA type 'C' MCB's. The rate shall include the cost of chasing the wall and concealing the same including making good the surface smooth to receive the putty and painting. The DB shall comprise of the following</p> <p>Incoming :</p> <p>1 No – 100A 4 Pole MCB Isolator</p> <p>Outgoing :</p> <p>3 Nos – 40A DP 100m A ELCB 12 Nos – 25/20AZ SP MCB</p>	No	1		

S.No.	Description works	Unit	Qty	Rate	Amount
1.7	<p>Supply, installation, testing and commissioning of double door, wall mounting, 16W TPN 7 segment MCB Distribution Board (LDB-1 for branch) fabricated out of 16 G CRCA sheet steel, powder coated and with 10KA type 'C' MCBs. The rate shall include the cost of chasing the wall and concealing the same including making good the surface smooth to receive the putty and paining. The DB shall comprise of the following.</p> <p>Incoming :</p> <p>1 No –63A 4 Pole MCB Isolator</p> <p>Outgoing :</p> <p>3 Nos – 32A DP 30m A RCBO</p> <p>24 Nos – 10/6A SP MCB</p>	No	1		
1.8	<p>Supply, installation, testing and commissioning of double door, wall mounting, 4W TPN 7 segment MCB Distribution Board (LDB-3 for common load) fabricated out of 16 G CRCA sheet steel, powder coated and with 10KA type 'C' MCBs. The rate shall include the cost of chasing the wall and concealing the same including making good the surface smooth to receive the putty and paining. The DB shall comprise of the following.</p> <p>Incoming :</p> <p>1 No –63A 4 Pole MCB Isolator</p> <p>Outgoing :</p> <p>3 Nos – 40A DP 30m A RCBO</p> <p>12 Nos – 10/6A SP MCB</p>	No	1		
1.9	<p>Supply, installation, testing and commissioning of double door, wall mounting, 6W SPB MCB Distribution Board (LDB- Emergency 1 for branch) fabricated out of 16 G CRCA sheet steel, powder coated and with 10KA type 'C' MCBs. The rate shall include the cost of chasing the wall and concealing the same including making good the surface smooth to receive the putty and paining. The DB shall comprise of the following.</p> <p>Incoming :</p> <p>1 No – 32 A DP MCB</p> <p>Outgoing :</p> <p>6 Nos – 10/6A SP MCB</p>	No	1		

S.No.	Description works	Unit	Qty	Rate	Amount
1.10	Supply, installation, testing and commissioning of double door, wall mounting, 4W TPN Vertical type MCB Distribution Board (UPS main DB 1 for branch) fabricated out of 16 G CRCA sheet steel, powder coated and with 10KA type 'C' MCBs (near sub- panel board-1) The rate shall include supply and fixing of wall mounting angle iron frame work duly painted with one coat of redoxide primer and two coats or enamel paint Incoming : 1 No – 100A 4 Pole MCB isolator Outgoing : 4 Nos –63A TP MCB	No	1		
1.11	Supply installation testing and commissioning of double door, wall mounting, 8 W SPN MCB Distribution board (UPS DB – 1 and 2 for branch) Fabricated out of 16 G CRCA sheet steel, powder coated and with 10KA type 'C' MCBs. The DB shall comprise of the following Incoming : 1 No –63A TP MCB Outgoing : 8 Nos –10/6A SP MCB Isolating switches	No	2		
1.12	Supply, installation testing and commissioning of 63A 4P MCB in manufacture's sheet steel enclosure fixed on the wall including all interconnections and accessories	No	2		
1.13	Supply, installation testing and commissioning of 63A DP MCB in manufacture's sheet steel enclosure fixed on the wall including all interconnections and accessories	No	2		
1.14	Supply, installation testing and commissioning of 32A DP MCB in manufacture's sheet steel enclosure fixed on the wall including all interconnections and accessories	No	2		
1.15	Supplying and fixing 63A DP type automatic change over switch in suitable enclosure	No	1		
1.16	Supply and fixing of 63A rate 3 phase to single phase Automatic phase sifter on wall	No	2		
2	Cables and cable Terminations				
2.1	Supply & laying of the following sizes of LT UG cable laid above the ground and clamping the same at adequate intervals to the slab/ beam / wall				
2.1.1	3 ½ C 120 sqmm XLP Aluminum conductor cable	Mt	70		
2.1.2	3 ½ C 70 sqmm XLP Aluminum conductor cable	Mt	40		
2.1.3	3 ½ C 50 sqmm XLP Aluminum conductor cable	Mt	48		
2.1.4	3 ½ C 25 sqmm XLP Aluminum conductor cable	Mt	35		
2.1.5	4C 16 sqmm copper conductor cable	Mt	35		

S.No.	Description works	Unit	Qty	Rate	Amount
2.1.6	4C 10 sqmm copper conductor cable	Mt	70		
2.1.7	2C 6 sqmm copper conductor cable	Mt	6		
2.2	Providing end terminations for the following LTUG cables using flange type brass cable gland and aluminum / copper crimping socket including earthing the cable glands with copper earth clamp and connecting the same to earth along with 14SWG copper earth wire for the following cables				
2.2.1	3 ½ C 120 sqmm XLPE Aluminum conductor cable	No	4		
2.2.2	3 ½ C 70 sqmm XLPE Aluminum conductor cable	No	4		
2.2.3	3 ½ C 50 sqmm XLPE Aluminum conductor cable	No	4		
2.2.4	3 ½ C 25 sqmm XLPE Aluminum conductor cable	No	4		
2.2.5	4C 16 sqmm copper conductor cable	No	2		
2.2.6	4C 10 sqmm copper conductor cable	No	10		
2.2.7	2C 6 sqmm copper conductor cable	No	2		
2.3	Supply and laying of 4 runs of 10 sqmm plus 2 runs of 4 sqmm copper conductor wire drawn through the 20/25mm dia PVC conduit pipes. The rate shall include the cost of providing laying and concealing the PVC conduits including all accessories in walls, floors partitions etc.	Mt	52		
2.4	Supply and laying of 2 runs of 10 sqmm plus of 1 run of 4 sqmm copper conductor wire drawn through the 20/25mm dia PVC conduit pipes. The rate shall include the cost of providing laying and concealing the PVC conduits including all accessories in walls, floors partitions etc.	Mt	52		
2.5	Supply and laying of 2 runs of 6 sqmm plus of 1 run of 2.5 sqmm copper conductor wire drawn through the 20/25mm dia PVC conduit pipes. The rate shall include the cost of providing laying and concealing the PVC conduits including all accessories in walls, floors partitions etc.	Mt	65		
3	Power wiring				
3.1	Wiring for 20 A metal clad sockets and 16A switched socket with 2R 4 sqmm + 1R 2.5 sqmm PVC insulated multi stranded copper wire drawn in 20/25 mm PVC conduits to be clamped on wall ceiling etc, embedding the same in floor, wall etc with all accessories	Mt	40		

S.No.	Description works	Unit	Qty	Rate	Amount
3.2	Supply and fixing 20A-3 pin metal clad socket with plug controlled by a 20A SP MCB housed in manufactures MS Powder coated box to be concealed in wall	No	1		
3.3	Providing and fixing 20A Modular 3 pin socket with 20A switch for AC indoor units	No	1		
3.4	Wiring for 16/6A switched sockets with 2R 4 Sqmm + 1R 2.5 sqmm PVC insulated multi stranded copper wire drawn in 20/25 mm pvc conduits to be clamped on wall ceiling etc embedding the same in floor, wall etc with all accessories for all cash counting sorting & bundling machines.	Mt	60		
3.5	Supplying and fixing 6/16 A shuttered socket outlet controlled by 20A SP switch (with indicator) with front plate housed in a suitable electro plated sheet metal box of approved make box recessed in wall	No	4		
	Lighting				
4	Wiring of light, fan points				
	Providing and laying point wiring for lights, fans, exhaust fans, 6A plug points etc partly laid in surface conduits (above false ceiling) and necessary concealed in recessed conduits in wall partition / vertical drops etc and also in areas where no false ceiling is provided except in safe room and looker room with 3 runs of 1.5 sqmm PVC insulated flame retardant low smoke cable (FRLS) with copper conduction in 20/25 mm dia. PVC conduit pipe 16G thick as per IS 9537 Part II including all accessories like base clamp bends, couplings, junction boxes, rubber bushes etc, along with supplying and fixing 6A modular type switches of approved make with front plate for control housed in metal boxes recessed in wall partitions made from electro plated sheet metal box of approved make including giving connections complete as required. The rate shall include the cost of providing and fixing necessary threaded MS powder coated ceiling suspended pipe/ rod along with slotted U channel including securing the same wouted bolt and nuts etc., and all civil work for gr				
4.1	1 light controlled by one switch	No	66		
4.2	2 lights controlled by one switch	No	13		
4.3	3 lights controlled by one switch	No	3		
4.4	4 lights controlled by one switch	No	2		
4.5	Ceiling fan point along with 100 W step electronic regulator	No	10		
4.6	Same as item no.1.5 but for exhaust fan excluding regulator	No	4		
4.7	Wiring for call bell points with modular bell push modular type buzzer, with indicator and reset button	No	1		

S.No.	Description works	Unit	Qty	Rate	Amount
4.8	Wiring for of 6A multi pin socket in the switch box along with 6A modular type swtich	No	10		
4.9	Wiring for Independent 6A multi in socket along with 6A modular type switches	No	16		
4.10	Supplying and laying lighting circuit mains partly in surface conduits in wall / partition / vertical drops etc and also in areas where no false ceiling is provided except in safe room and locker room with 2 runs of 2.5 sq.mm plus 1 run of 1.5 sqmm PVC insulated flame retardant Low smoke cable (FRLS) with copper conductor in 20/25 mm dia. PVC conduit pipe 16g thicks as per IS 9537 part II including all accessories like base clamp, bends couplings, junction boxes etc. The rate shall include the cost of providing and fixing necessary threaded MS Powder coated ceiling suspended pipe/rod along with slotted U channel including securing the same with clamp/ cable tie as required where ever required. Ends connected with suitable copper cable sockets and cable marking ferrules as required. Circuit wiring measured from the DB to the first switch control box only. Lopping circuit shall be part of the point wiring which will not be measured for payment	Mt	220		
5	Supply for fixing light fittings and fans				
	Supply of following fixtures including testing and commissioning complete with all accessories like electronic ballast, starter, lamps, etc and also the necessary mounting accessories (light fittings may be supplied by the bank)				
5.1	Supply of recess mounting mirror optic dark light fixtures light luminare with 2x 36W CFL (WCP 17236 of Wipro) along with providing and fixing electronic ballast.	No	38		
5.2	Supply and recess mounted down light (WCP 42218 of Wipro) with fresnel lens with 2 x 11W CFL Lamp	No	25		
5.3	Supply of 1 x 28W – T5 tube light fixtures along with electronic ballast and lamp (WIF 21128 of Wipro)	No	15		
5.4	Supply of 2 x 28W – T5 tube light fixtures along with electronic ballast and lamp (WIF 21128 of Wipro)	No	6		
5.5	Supply of 1 x 36W – cove light diffused tube light fixtures along with electronic ballast and lamp without putty	No	8		
5.6	Supply of 1 x 18W – cove light diffused tube light fixtures along with electronic ballast and lamp without putty	No	4		

S.No.	Description works	Unit	Qty	Rate	Amount
5.7	Supply of 300mm dia light duty exhaust fan (900rpm) along with auto gravity louver	No	1		
5.8	Supply of 1200mm dia ceiling fan including required painted MS down rods including providing & fixing ms fan hooks	No	10		
5.9	Supply of 450 mm dia wall mounted fan	No	10		
6	Labour for fixing lighting fittings and fans installation of following light complete with all accessories like and also the necessary mounting accessories (light fittings to be paid separately)				
6.1	Charges for fixing, testing of recess mounting mirror optic dark light fixture light luminaire with 2 x 36 W CFL (WCP 17236 of Wipro) along with providing and fixing heavy duty chain or auto clutch wire with end clamps	No	38		
6.2	Charges for fixing, testing of recess mounted down light (WCP 42218 of wipro) with fresnel lens with 2 x 11 W CFL – lamp	No	25		
6.3	Charges for fixing, testing of 1 x 28W – T5 tube light fixture along with electronic ballast and lamp (WIF 21128 of Wipro)	No	15		
6.4	Charges for fixing, testing of 2 x 28W – T5 tube light fixture along with electronic ballast and lamp (WIF 21128 of Wipro) including providing and fixing a pair of MS pipes	No	6		
6.5	Charges for fixing, testing of 1 x 36 W cover light diffused tube light fixture along with electronic ballast and lamp without putty	No	8		
6.6	Charges for fixing, testing of 1 x 18 W cover light diffused tube light fixture along with electronic ballast and lamp without putty	No	4		
6.7	Charges for fixing, testing of 300mm dia light duty exhaust fan (900mm) in the existing opening	No	4		
6.8	Charges for fixing, testing of 1200mm dia ceiling fan including required painted MS Down rods including providing & fixing ms fan hooks	No	10		
6.9	Charges for fixing, testing of 450mm dia wall mounted fan	No	10		

S.No.	Description works	Unit	Qty	Rate	Amount
7	Sound system				
7.1	Providing and fixing 20mm dia rigid PVC pipe 2 mm thick along with accessories laid above false ceiling including clamping the same to walls/ slab / beams / partitions etc along with providing suitable GI guide wire.	Mtr	70		
7.2	Supplying and laying of 2Core 24/02 mm ATC twin twisted speaker wire within the above 20mm dia PVC conduit including giving connections	Mtr	180		
7.3	Supply & installation of Philips/Bosch make 6W false ceiling mounted speaker with necessary accessories including line machine transformer	No	8		
7.4	Providing and fixing resistance type volume control knob along with modular front plate housed in the manufactures zinc passivated MS box with front plate included concealing the same in the wall partition and making good the surfaces smooth.	No	2		
8	Telephone cabling and data				
8.1	Supply and laying of 25mm dia PVC conduit through floor, wall and partitions etc including all necessary materials from EPABX to various telephone sockets.	Mt	60		
8.2	Supply and laying of 32mm dia PVC conduit through floor, wall and partitions etc including all necessary materials from HUB to computer nodes.	Mt	6		
8.3	Supply and laying of 0.6mm dia copper conductor PVC insulated 2 pair telephone cable through the above PVC conduit	Mt	160		
8.4	Supply and laying of 0.6mm dia copper conductor PVC insulated 5 pair telephone cable through the above PVC conduit	Mt	10		
8.5	Supply and laying of 0.6mm dia copper conductor PVC insulated 10 pair telephone cable through the above PVC conduit	Mt	26		
8.6	Supply and installation of modular type single RJ-11 telephone socket housed in the manufactures zinc passivated MS Box with front plate	No	12		
8.7	Supply and installation of modular type dual RJ-11 telephone socket housed in the manufactures zinc passivated MS Box with front plate	No	2		
8.8	Supply and laying 30 pair krone connector housed in heavy duty ABS plastic mould with suitable locking arrangements	No	1		

S.No.	Description works	Unit	Qty	Rate	Amount
9	UPS wiring				
9.1	Supply and installation of 3R 2.5 sqmm PVC insulated multi strand FRLS copper wire drawn in 20/25 mm dia PVC conduit to be laid, partitions etc complete with all accessories (looping 2 sets of 3 x 6A sockets in one circuit) including providing necessary marking of circuits with ferrules.	Mt	90		
9.2	Supply and installation of 2 nos of multi pin 6A modular shuttered sockets controlled by 2 nos 6A modular type switches house in MS box to be fixed in partitions or concealed on wall	No	14		
9.3	Supply and installation of 3 nos of multi pin 6A modular shuttered sockets controlled by 2 nos 6A modular type switches house in MS box to be fixed in partitions or concealed on wall	No	14		
9.4	Supply and installation of 2 Nos 16A – 5 Pin socket with 2 Nos 16A modular switches housed in MS fabricated box to be connected in wall partition for server and line printer	No	2		
9.5	Supply and fixing 20A modular master double pole switch with front plate housed in suitable zice passivated metal box to be fixed in partitions or concealed in walls	No	14		
10	Earthing				
10.1	Supply, installation testing and commissioning of cast iron earth electrode as per IS 3043 using 100mm dia x 5/6mm thick cast iron pipe 3.0 m long with funnel. The pipe shall be buried to the 3m depth with alternative layers of salt and charcoal. The rate shall include the cost of providing 450 x 450 x 300mm brick masonry chamber covered with removable FRC cover with holes to receive water along with RCC outer frame	No	4		
10.2	Supply installation testing and commissioning of copper plates earth (one for UPS neutral earth) electrode using 300 x 300 x 3mm with 25mm dia GI- Pipe with funnel for a 2.4m long. The pipe shall be buried to the 2.4m depth with alternative layers of salt and charcoal. The rate shall include the cost of providing 450 x 450 x 300mm brick masonry chamber covered with removable FRC cover with holes to receive water along with RCC outer frame	No	2		
10.3	Supply installation testing and commissioning of 40mm dia GI pipe earth electrode 2.4mm long with funnel (only for UPS body earth and for generator) The pipe shall be buried to the 2.4m depth with alternative layers of salt and charcoal. The rate shall include the cost of providing 450 x 450 x 300mm brick masonry chamber covered with removable FRC cover with holes to receive water along with RCC outer frame	No	6		
10.4	Supply and laying of 25 x 3 copper for earthing the main panel board & sub main panel board suitably clamped on wall or burred under ground	Mt	20		

S.No.	Description works	Unit	Qty	Rate	Amount
10.5	Supply & laying 10 SWG copper wire for earthling. The rate shall include the cost of providing and fixing earth bus using 25 x 3 mm copper flat with holes for tapping connections with brass bolts and nuts.	Mt	80		
10.6	Supply and laying of 8SWG copper wire for earthling	Mt	100		
10.7	Supply and laying of single core 10 sqmm PVC insulated copper conductor wire (only for ups neutral earthling) for earthling in suitable pvc conduits	Mt	26		
11	Miscellaneous works				
11.1	Disconnecting and removing the existing switch mains near the TNEB metering board along with its incoming and outgoing cable terminations earth connections etc and hand over the same to the branch.	No	1		
11.2	Supply and fixing of single phase motor starter suitable upto 3 HP motor	No	3		
11.3	Supplying and fixing of CT meter panel board with 4 runs of 32 x 6mm copper bus bars with suitable sealing arrangements as required by TNEB.	No	1		
11.4	Liaison charges for obtaining the enhanced power supply from TNEB including supply of the application forms and drawing including all incidental expenses. (only official deposits will be reimbursed by bank)	Job	1		
11.5	Supplying and fixing 0-24 hrs electronic timer with 1 nos 16 A DA MCB completely wire housed in a suitable powder coated enclosure with hinged door and mounted on wall with all interconnections (for named board)	No	1		
	Total				

Signature of contractors

Date:
Place :

SCHEDULE OF QUANTITIES

EXHAUST SYSTEM & AIR CONDITIONING WORKS (CURRENCY CHEST)

S.No.	Description works	Unit	Qty	Rate	Amount
1	Exhaust system works ground floor – currency chest (clear room size 7.550 x 7.780 x 3.350H)				
1.0	Supplying of cabinet type the exhaust fan single horizontal type Air Blower UNIT (2500CFM AT 40mm static) fabricated with 0.8mm pre plasticized finish, along with providing and fixing air damper, on/off supply air fire damper. filter section with cleanable pre-filter with 90%efficiency down to 10 micron, including forward blades blower supply fan of there Nicatra or Kruger make, along with necessary TEFC motor, drive assembly, drive guards, vibration arrestors, canvass connection, internal and external. heavy duty supports, capable to be hung from the rcc slab, base frame, rubber pads etc. The noise level shall be less than 70dbA at a distance 1m from the unit	Each	1		
2	Installation, testing and commissioning of the above centrifugal blower	each	1		
3	Providing, assembling and fixing of sliding Arrangement of the ventilation duct on either side of the emergency door of the. currency chest with necessary heavy duty tracks to facilitate the closing and opening of the chest room door and grill door after office hours	set	1		
4	Providing and fixing Galvanised steel sheet ducting with supports, angle bracing, nuts, bolts and gaskets as required for the following (Flanges will nor be measured for , payment). Joints shall be with angle iron frames sealed and suitable to handle the pressure				
4.1	24 G ducting	sqm	48		
4.2	22 G ducting	sqm	12		
5	Providing, assembling and fixing of a pair of suitable leak proof bellow/canvass arrangement of the ventilation duct on either side' of the existing grills of the existing ventilator with necessary hardwares to facilitate the continuity of the duct without cutting the safety grills of the ventilator	set	1		
6	Providing MS collar dampers	sqm	1.5		
7	Providing and fixing powder coated aluminium supply and return air diffuser/grill of 100mm wide	sqm	2		
8	Providing and fixing of Pedestal/MS channel brackets for the blower unit with necessary Civil works etc including scaffolding & finishing the damaged surfaces.	set	1		
S.No.	Description works	Unit	Qty	Rate	Amount
	Air conditions works				

II Ground floor currency chest					
S.No.	Description works	Unit	Qty	Rate	Amount
1	<p>Supplying, installation, testing and commissioning of 3-Star rated Hi-wall split air-conditioner of 2.0 TR capacity with On Off Timer along with, wireless remote controller including providing and laying the standard length of 4m copper, electrical and 25mm dia PVC drain piping including Initial refrigerant charge suitable for 10 mtrs distance between IDU and ODU along with drilling the holes and packing and making good the damaged surfaces good (1 nos for Counting hall) comprising of the followings.</p> <p>i) Indoor unit consisting of evaporator coil, blower fan with motor, filters, insulated drain pan etc</p> <p>ii) Outdoor unit consisting of hermetically sealed Rotary Compressor to operate on 230 V, Single Phase, 50 Hz AC Supply, Anti Corrosive Coated condensor Coil with fan and motor, interconnecting, refrigeration piping, starters/ controls/cutouts/ relays etc., mounted inside a powder coated sheet metal cabinet duly treated for corrosion Protection</p>	Each	1		
2	<p>Supplying, installation, testing and commissioning of 3-Star rated HI-wall split air-conditioner of 1.5 TR capacity with On Off Timer along with wireless remote controller including providing and laying the standard length of 4m copper, electrical and 25mm dia pVC drain piping including Initial refrigerant charge suitable for 10 Mtrs distance between IDU and ODU along with drilling the holes and packing and making good the damaged surfaces good (2 nos for Office Area) comprising' of the following</p> <p>i) Indoor unit consisting of evaporator coil, blower fan with motor, filters, insulated drain pan etc</p> <p>ii) Outdoor unit consisting of hermetically sealed Rotary Compressor to operate on 230 V single phase 50 HZ Ac supply Anti corrosive coated condenser coil with fan and motor, 'interconnecting refrigeration piping, starters/ controls/ cutouts/ relays etc., mounted inside a powder coated sheet metal cabinet duly treated for corrosion protection.</p>	Each	2		
3	Charges for providing additional copper pipes (one circuit) for the above split units with necessary insulation and with adequate pvc insulated copper wire from indoor to outdoor units concealed and taken through beyond the standard 4m length.	mt	15		
S.No.	Description works	Unit	Qty	Rate	Amount

4	Charges for providing additional 25mm dia PVC drain pipe beyond the standard 4m length for the above split units from indoor units to the ground level including drilling holes in walls and concealing and making good the damaged surfaces clean.	mt	8		
5	Charges for providing additional 40mm dia PVC drain-pipe beyond the standard 4m length for the above split units from indoor units to the ground level including drilling holes in walls and concealing and making good the damaged surfaces clean.	mt	10		
6	Supply, installation, testing and commissioning of wall mounting 4KVA stabilizers for 1.0Tr & 1.5Tr Hi-Wall Split Air Conditioning units with input voltage range of 170-270 Volts and output 220 +/- 10% as required	each	2		
7	Supply, installation, testing and commissioning of wall mounting 5KVA stabilizers for 2.0Tr & 1.5Tr Hi-Wall Split Air Conditioning units with input voltage range of 170-270 Volts and output 220 +/- 10% as required	each	1		
8	Providing and fixing standard powder coated structural supports for the split outdoor units	each	3		
III	FOR BRANCH AREA				
1	Supply , Installation, Testing & Commissioning (SITC) of ductable split air conditioning units complete as under Indoor unit comprising cooling coil, evaporator fan with motor, filters, insulated drain pan, expansion valve, refrigerant filter drier with Isolating and by pass valves, etc Outdoor unit comprising hermetic scroll compressor, condenser coil with fan & motor, interconnecting refrigeration piping, starters I controls I cutouts I-relays etc., mounted inside a powder coated sheet metal cabinet of 2mm thick, duly treated for corrosion protection:				
1.2	Capacity 11 TR:	each	2		
2	Supply and erection of ribbed rubber pads and fire resistant flexible connection for the AC units	sets	2		
3	Supply and erection of hard drawn copper (1 mm thick) refrigeration pipe complete with bends, elbows, supports, insulation for suction line etc., as under				
3.1	Suction line for 8.5 TR: (1 1/8" OD)	mt	110		
S.No.	Description works	Unit	Qty	Rate	Amount

3.2	Liquid line for 8.5 TR : (7/8" OD)	mt	110		
4	Supply and erection of angle/Channel supports for the indoor unit 'and masonry structural support for the outdoor units	sets	2		
5	Providing and laying 3C 2.5 sqmm and 3C 1.5sqmm electrical copper cabling for the above units including glands	mt	110		
6	Supply and erection of galvanized sheet steel ducting work, with class 8 zinc coating standards, complete with fasteners, MS suspenders and angle supports. Size of angle support for all ducting sizes shall be 40 x 6 mm. (Flanges will not be measure for payment:				
6.1	24 G ducting	sqm	125		
6.2	22 G ducting	sqm	40		
7	Supply and fixing of supply air diffusers linear diffusers of Aluminium powder coated material. complete with GI volume control damper.	sqm	3		
8	Supply and fixing of supply air diffusers/linear diffusers of Aluminium powder coated material, complete without volume control damper.	sqm	5		
9	Supply and fixing of acoustic insulation of ducting with 12mm fiber glass rigid board faced with tissue paper and finished with 26G perforated Aluminium sheet, held by GI bolts GI nuts' and GI washers.	sqm	35		
10	Supply and fixing of thermal insulation of ducting at the tail end with 25mm fiberglass, factory laminated with Aluminium foil, secured with 15mm PVC straps and all joints sealed with PVC tape of 100 mm wide	sqm	110		
11	Supply and laying of power and control cabling from the MCCB (to be provided by the electrical agency) near the control panel to the indoor and outdoor units. The power wiring to the compressor motor, condenser fans / evaporator fan and the control wiring shall be with suitably rated copper conductors taken with PVC conduit pipe. The earthing shall be with 6 SWG copper wire. The rate quoted shall include both power and control cables with earthing:				
	For 11 TR units:	Sets	2		

S.No.	Description works	Unit	Qty	Rate	Amount
12	Supply and laying of drain piping of 25mm dia, PVC pipe with 4 Kg/sq.cm rating complete with supports etc for the 2 indoor units to the nearest drain point.	mt	30		
13	Supplying, installation, testing and commissioning of 3-Star rated Hi-wall " air-conditioner of 1.5 TR capacity with On Off Timer along with wireless remote controller including providing and laying the standard length of 4m copper, electrical and 5mm dia PVC drain piping including Initial refrigerant charge suitable for 10 Mtrs distance between IDU and ODU along with drilling the holes and packing making good the damaged surfaces good (1 nos for CM Room) 'comprising of the following i) Indoor unit consisting of evaporator coil, blower fan with motor, filters, insulated drain pan etc ii) Outdoor unit consisting of hermetically sealed Rotary Compressor to operate on 230 V, Single Phase. 90 Hz AC Supply, Anti Corrosive Coated Condensor Coil with fan and motor, interconnecting refrigeration piping, starters/ controls/ cutouts/ relays etc., mounted Inside a powder coated sheet metal cabinet duly treated for corrosion protection.	Each	1		
14	Charges for providing additional copper pipes (one circuit) for the above split unit with necessary insulation and with adequate pvc insulated copper wire from indoor to outdoor units concealed and taken through beyond the standard 4m length.	mt	11		
15	Charges for providing additional 25mm dia PVC drain pipe beyond the standard 4m length for the above split units from indoor units to the ground level in including drilling holes in walls and concealing and making good the damaged surfaces clean.	mt	9		
16	Supply, installation, testing and commissioning of wall mounting 4KVA stabilizers for 1.0Tr & 1.5Tr Hi-Wall Split Air Conditioning units with input voltage range of 170-270 Volts and out 220 +/-10% as required	each	1		
17	Providing and fixing standard powder coated structural supports for the split outdoor units.	each	1		

S.No.	Description works	Unit	Qty	Rate	Amount
18	<p>Providing, supplying & laying extruded polystyrene rigid foam panel of size 600 x 1200mm-25mm thick of formula R.Metric- FM 150 having a density of 24 kg/cum and compressive strength not less than 150 kpa of ownes</p> <p>Corning or approved equivalent make having exceptional mechanical properties like resistance to the diffusion of water vapors, resistance to water absorption, uniform density distribution dimensional stability very high compressive strength, aging resistance and also immunity against insects, pets. bacteria; rodent attacks and micro organisms etc., for Under deck insulation including necessary skin shiplap joint, anchors, etc., as required for proper fixing, complete all as per the manufacturers' specifications & consultants approval. The extruded polystyrene panel has closed sealed cells' structure linked to one another is produced by a continuous, fully automated extrusion process in accordance with international specification and standard etc all complete.</p>	sqm	375		
	Total				

Signature of contractors

Date:
Place :

SCHEDULE OF QUANTITIES

DATA CABLING WORK

S.No.	Description works	Unit	Qty	Rate	Amount
E	DATE CABLING WORK				
I	Ground floor – Currency chest				
1	Supply and installation of 25mm dia PVC conduit through floor, wall and partitions etc including all necessary materials from main Hub to all the data sockets	Mt	80		
2	Providing and laying CAT 6 data cable for nodes through the above mentioned conduits	Mt	150		
3	Supply and installation of I/O box socket suitable for bank's approved agency's certifications	No	5		
4	Testing and issuing of test certificate from bank's approved agency.	Nodes	5		
5	Supplying and installation of 5U closed Rack	No	1		
6	Supplying and installation of 12 Port switch	No	1		
7	Supply and installation of 12 port jack panel	No	1		
8	Supply of 1 M mounting chord	No	5		
9	Supply of 2 M mounting chord	No	5		
II	For branch area				
1	Supply and installation of 25mm dia PVC conduit through floor, wall and partitions etc including all necessary materials from main Hub to all the data sockets	Mt	125		
2	Providing and laying CAT 6 data cable for nodes through the above mentioned conduits	Mt	380		
3	Supply and installation of RJ45 female jack (single i/o)	No	13		
4	Supply and installation of RJ45 female jack (dual i/o)	No	2		
5	Supply and installation of 16 port switch	No	1		
a	Installation and connecting of 16/24 port switch (switch to be supplied by the bank)	No	1		
6	Supplying and' installation of 16 port jack panel	No	1		
7.00	Providing and fixing 9U closed rack.	No	1		
8	Supply of 1 M mounting cord	No	15		
9	Supply of 2 M mounting cord	No	15		
10	Testing and issuing of test certificate from bank's approved agency	Nodes	15		

S.No.	Description works	Unit	Qty	Rate	Amount
11	Shifting of existing 9U rack with sets in the hall to system room.	No	1		
12	Shifting of existing 16/24 port jack panel (Systimax)	No	1		
	Total				

Signature of contractors

Date:
Place :

SCHEDULE OF QUANTITIES					
CLOSED CIRCUIT TV AND BURGALAR ALARM WORKS					
S.No.	Description works	Unit	Qty	Rate	Amount
F	CC TV & Burglar Alarm Works In Ground Floor – currency chest				
1	CCTV works In Ground Floor- Currency Chest				
1	Varifocal Dome Camera, Image Sensor: 1 /3 “ Super HAD CCD, Effective Pixels: 400000 pixels, Horizontal Resolution : 540 or greater TVL; Signal / Noise Ratio : > 48 DB, Minimum Illumination 0.1 lux @ F 1.2; Lens Focal Length: 2.8 mm to 10 mm (verifocal) auto iris.; Shutter Speed : 1/50~ 1/100000 sec White Balance: Auto Whiter Balance; Backlight Compensation : Built in Auto, Power Input : 12 VDC; Power Consumption : 120 mA, Mount : Ceiling / Wall Mountable Base; Housing: ABS plastic-suited for indoors, Camera Use: Internal Area, CERTIFICATION-CE, FCC,	Nos	4		
2	IR Camera Image Sensor: 1 /3 “CCD, Effective Pixels: 400000 pixels; Horizontal Resolution : 540 or greater TVL, Minimum Illumination 0.00 lux @F 1.2, Lens Focal Length : 6 mm or 3.3 mm to 12 mm (verifocal); Shutter Speed : 1/50~ 1/100000 sec, White Balance: Auto Whiter Balance, Backlight Compensation : Built in Auto, Power Input : 12 VDC, Power Consumption : 120 mA; Mount : Ceiling / Wall Mountable with Stand, Housing: indoor temper proof. Camera Use: Indoor, Night Vision: 24 IR LED or better, light level sensor built in and image should be clear in zero lux upto 3 mtrs :CERTIFICATION-CE, FCC,& UL (APPROVED MAKE : Bosch, Palco, Samsung, LG, Honeywell Panasonic, American Dynamics)	Nos	3		
3	Providing,supplying, fixing, testing and commissioning of dedicated 17" colour Monitor (Samsung, Acer etc)	Nos	1		
4	DVR 8 Channel Standalone- Embedded Operating System-LINUX/RTOS; Number of Channel:8; Video Display & Recording : PAL real time Display, Recording Rate: 704 X 576 D1 Compression, Up to 480 IPS @ 200 FPS; Video Compression : H.264. Recording at 16 to 25 fps. Internal HDD 2 TB plus provision for additional HDD; DVR Operation: Pen taplex: Live, Record, Remote Viewing, Playback and Backup; Backup for Video through TCP/IP/ USB Remote Viewing: TCP / IP Enabled; Camera Control: PTZ Camera Support Video Output: VGA and BNC Output required. All Channel Simultaneous View on playback Player software auto download with backup on DVD/pen drive along with DVD-RW, USB Mouse, IR Remote Controller, User-Friendly GUI, Two-way Audio Support, Three exclusive USB 2.0 Port, Various				

S.No.	Description works	Unit	Qty	Rate	Amount
	Monitor Output, File System Recovery of HDD after Power Recovery by Journaling File System, Multiplex (Simultaneous Live display, Recording, Search, Network, Back-up), Data Integrity Check (Watermark) The DVR should be CE, FCC, and UL-ETL Certified (APPROVED MAKE : Bosch, Palco, Samsung, LG, Honeywell Panasonic, American Dynamics)	Nos	1		
5	Providing, supplying fixing testing and commissioning of Stand-alone Power Supply unit with sealed maintenance free Battery (12V/7Ah)	Nos	1		
6	Supplying, fixing and drawing RG 59 Co-axial video unarmored cable in 20mm dia 1.8mm thick PVC conduit pipe of ISI make. (Finolex, Digilink or equivalent)	Rmt	400		
7	Supplying, fixing and drawing of 4 core (4x1.5 sqmm) copper conductor shielded DC power cable(24/12V) in 20mm dia 1.8mm thick PVC conduit of ISI make (Finolex, Digilink cobra or equivalent)	Rmt	400		
II	Wired Burglar Alarm Systems In Ground Floor-Currency Chest				
1	Providing and fixing of Panic Switches	Nos	5		
2	Providing and fixing motion sensor (SYIRES / THORN make)	Nos	2		
3	Providing, fixing and commissioning of 8 zone control panel with day and night mode operation battery charger and the battery backup.	Nos	1		
4	Providing and fixing of Panic sounder	Nos	2		
5	Supply, Installation, testing and commissioning of 4 core shielded DC cables inclusive of PVC conduits or PVC casino and piping	Rmt	190		
III	CC TV & burglar alarm works in ground floor-branch area				
	CCTV works in ground floor - branch area				
1	Varifocal Dome Camera, Image Sensor: 1 /3 " Super HAD CCD, Effective Pixels: 400000 pixels, Horizontal Resolution : 540 or greater TVL; Signal / Noise Ratio : > 48 DB, Minimum Illumination 0.1 lux @ F 1.2; Lens Focal Length: 2.8 mm to 10 mm (varifocal) auto iris.; Shutter Speed : 1/50~ 1/100000 sec White Balance: Auto Whiter Balance; Backlight Compensation : Built in Auto, Power Input : 12 VDC; Power Consumption : 120 mA, Mount : Ceiling / Wall Mountable Base; Housing: ABS plastic-suited for indoors, Camera Use: Internal Area, CERTIFICATION-CE, FCC,	Nos	2		

S.No.	Description works	Unit	Qty	Rate	Amount
2	IR Camera Image Sensor: 1 /3 "CCD, Effective Pixels: 400000 pixels; Horizontal Resolution : 540 or greater TVL, Minimum Illumination 0.00 lux @F 1.2, Lens Focal Length : 6 mm or 3.3 mm to 12 mm(varifocal); Shutter Speed : 1/50~ 1/100000 sec, White Balance: Auto Whiter Balance, Backlight Compensation : Built in Auto, Power Input : 12 VDC, Power Consumption : 120 mA; Mount : Ceiling / Wall Mountable with Stand, Housing: indoor temper proof. Camera Use: Indoor, Night Vision: 24 IR LED or better, light level sensor built in and image should be clear in zero lux upto 3 mtrs :CERTIFICATION-CE, FCC,& UL (APPROVED MAKE : Bosch, Palco, Samsung, LG, Honeywell Panasonic, American Dynamics)	Nos	2		
3	Providing, supplying, fixing, testing and commissioning of dedicated 17" colour Monitor as mentioned in the technical specification (Samsung, Acer etc)	Nos	1		
4	DVR 8 Channel Standalone- Embedded Operating System-LINUX/RTOS; Number of Channel:8; Video Display & Recording : PAL real time Display, Recording Rate: 704 X 576 D1 Compression, Up to 480 IPS @ 200 FPS; Video Compression : H.264. Recording at 16 to 25 fps. Internal HDD 2 TB plus provision for additional HDD; DVR Operation: Pentaplex: Live, Record, Remote Viewing, Playback and Backup; Backup for Video through TCP/IP/ USB Remote Viewing: TCP / IP Enabled; Camera Control: PTZ Camera Support Video Output: VGA and BNC Output required. All Channel Simultaneous View on playback Player software auto download with backup on DVD/pendrive along with DVD-RW, USB Mouse, IR Remote Controller, User-Friendly GUI, Two-way Audio Support, Three exclusive USB 2.0 Port, Various Monitor Output, File System Recovery of HDD after Power Recovery by Journaling File System, Multiplex (Simultaneous Live display, Recording, Search, Network, Back-up), Data Integrity Check (Watermark) The DVR should be CE, FCC, and UL-ETL Certified(APPROVED MAKE : Bosch, Palco, Samsung, LG, Honeywell Panasonic, American Dynamics)	Nos	1		
5	Providing, supplying. fixing. testing and commissioning of Stand-alone Power Supply unit with sealed maintenance free Battery (12V/7Ah)	Nos	1		
6	Supplying. fixing and drawing RG 59 Co-axial video unarmored cable in 20mm dia 1.8mm thick PVC conduit pipe of ISI make. (Finolex, Digilink or equivalent)	Rmt	180		

S.No.	Description works	Unit	Qty	Rate	Amount
7	Supplying, fixing and drawing of 4 core (4x1.5 sqmm) copper conductor shielded DC power cable(24/12V) in 20mm dia 1.8mm thick PVC conduit of ISI make (Finolex, Digilink cobra or equivalent)	Rmt	180		
	Wired Burglar Alarm Systems In Ground Floor-Branch Area				
1	Providing and fixing of Panic switches	Nos	6		
2	Providing and fixing motion sensor (SY1RES/ HORN make)	Nos	1		
a	Removing and fixing the existing motion sensor	Nos	2		
3	Removing and refixing and commissioning of existing 216/8 zone control panel with day and night mode operation balladry charmer and the battery backup.	Nos	1		
4	Providing and fixing of Panic sounder.	Nos	1		
a	Removing and re-fixing of existing Panic sounder	Nos	1		
5	Supply, Installation testing and commissioning of 4 core shielded DC cables inclusive of PVC conduits or PVC casino and Piping	Rmt	190		
	Total				

Signature of contractors

Date:

Place :

SCHEDULE OF QUANTITIES					
CONTROL SYSTEM WORK					
S.No.	Description works	Unit	Qty	Rate	Amount
G	ACCESS CONTROL SYSTEM WORKS IN GROUND FLOOR- CURRENCY CHEST				
1	Providing, supplying, fixing, testing, and commissioning of Biometric Door controller capable of controlling entry and exit of one door with PSU and battery back-up	Nos.	4		
2	Providing, supplying, fixing, testing and commissioning of Proximity card reader on both sides of the door.	Nos.	8		
3	Providing, supplying, fixing, testing and commissioning Electro Magnetic Lock'	Nos.	4		
4	Providing, supplying, fixing, testing and commissioning Magnetic contact	Nos.	4		
5	Supplying blank proximity cards	Nos.	25		
6	Providing, supplying, fixing, testing and commissioning of console for the above units including integration with suitable software	Nos.	1		
7	Supplying, fixing and drawing of 4 core (4x1.5 sqmm) copper conductor shielded DC power cable(24/12V) in 20mm dia 1.8mm thick PVC conduit of ISI make	Rmt.	40		
8	Supplying, Fixing and drawing of 16 core shielded DC power cable (24/12V) In 20mm dia 1.8mm thick PVC conduit of ISI make	Rmt.	40		
	Total				

Signature of contractors

Date:
Place :

SCHEDULE OF QUANTITIES					
PLUMBING WORKS					
S.No.	Description works	Unit	Qty	Rate	Amount
II	FOR CURRENCY CHEST				
1	WATER CLOSET				
1.1	EUROPEAN TYPE				
	<p>Supplying and fixing coloured (pastel colour) vitreous china European type water closet comprising of the following accessories including cutting and making good the walls & floors wherever required complete as directed by Engineer In Charge. A) pastel colour vitreous china pedestal type European water closet with P or S trap of approved make & standard model as per the direction of Engineer In Charge. B) 15mm NB brass angle valve as per ISI of approved brand</p> <p>c) 15 mm NB CP inlet connection with Brass unions at the ends. D) approved make matching colour polypropylene seat cover with necessary brass hinges and rubber bushes etc E) WC connector with neoprene rubber etc F) Low level plastic cistern of matching colour of approved make with necessary fittings, brackets, screws, etc all complete as per the direction of Engineer in Charge</p>	Each	1		
1.2	Same as above but for white closet in Male police toilet	Each	1		
2	INDIAN WATER CLOSET				
	<p>Supplying and fixing white vitreous china Orissa Pan type water closet comprising of the following accessories including cutting and making good the walls & floors wherever required complete as directed by Engineer In Charge</p> <p>A) White vitreous china 580 mm Orissa pattern water closet of approved make with P or S trap</p> <p>B) Low level flushing cistern of matching colour of approved make with necessary fittings brackets screws etc. all complete.</p> <p>C) 32 mm PVC flush pipe 10Kg/sqcm duality of approved length with necessary fittings, clamps etc.</p> <p>D) 15 mm NB CP inlet connections with brass union at the ends</p> <p>E) 15mm NB brass angle valve as per ISI of approved brand as per the direction of Engineer In Charge</p>				

	F) WC connector with neoprene rubber	Nos	1		
S.No.	Description works	Unit	Qty	Rate	Amount
3	HAND WASH BASIN				
	Providing and fixing white wash basins of size 550 x 400 without pedestal Including the following accessories - 15mm brass CP (Metro) make stop cock -1 No. -15mm CP connections from the above stop cock to pillar cock- 1 No -32mm dia waste coupling, CP brass chain and rubber stopper -30mm bottle trap with cleaning eye, extension piece and wall flange -Providing and fixing brass CP Metro make 13mm half turn pillar cock Rate to include supply, painting and fixing of necessary.CI brackets with nuts and bolts and fixing the wash basis with all necessary connections in walls	Each	3		
4	Providing and fixing standard mirror of superior glass of 4 mm thick & 600 x 450 mm size with 40mm wide pvc moulded edges all sides.	Each	3		
5	Providing and fixing readymade CP brass soap tray near wash basin with CP brass screws of approved make	Each	2		
6	Providing & fixing CP brass towel ring.	Each	1		
7	Providing and fixing C.P. Towel Rail not less than 600mm length	Each	2		
8	Providing & fixing CP brass stop cock with wall flange – of approved brand conforming to IS:8931 15mm dia nominal bore	Each	3		
9	Providing & fixing CP Brass short body bib cock foam flow 15 mm of approved brand with adjustable wall flange conforming to IS standers	Each	1		
10	Providing & fixing CP Brass long body bib cock foam flow 15 mm of approved brand with adjustable wall flange conforming to IS Standards	Each	2		
11	Supply and fixing 15mm CP brass angle cock with wall flange and 450mm long CP brass tube with end nuts for the inlet connection etc. for sink complete.	Each	2		
12	Providing and fixing CP brass Mixer for Hot Water and Cold Water mixing with shower arm Provided with C.P. flange of 56mm dia of approved quality, colour and make	Each	2		
13	Providing and fixing CP brass shower rose with shower arm(195mm long With bend of 45(effective length of 210mm)Providedwith C.P. flange of 56mm dia of approved quality colour and make	Each	2		

S.No.	Description works	Unit	Qty	Rate	Amount
14	Supplying and fixing CP health faucet with two in arrangement along with necessary accessories, metal hose and other materials etc. complete.	Each	1		
15	Supplying, fixing and testing 6kg PVC pipe conforming to IS 4985 waste connection from wash basin, urinals, floor trap, with solvent cement joints including of all fittings laid under floor, wall chase etc., and provide pcc encasing for all internal pipes with laying cement concrete 1:5: 1 0 mix using 6mm jelly casing all round the pipes the work include the wall chase and making good the same by using cement mortar etc.				
15.1	a) 40mm dia	Rmt	10		
15.2	b) 75mm dia	Rmt	8		
15.3	c) 110mm dia	Rmt	12		
16	Providing and fixing CPVC pipes of approved make complete with brass fittings including chasing the walls (Internal work) and pressure pipes shall be duly fixed at site, with necessary cutting & jointing of pipe with approved quality jointing lubricant The pipes shall be fixed properly aligned. Work to include making necessary holes in the masonry walls etc and making good the damaged portions with mortar filling with 1:4 mix. Before handing over, leak test shall be carried out and any defects found shall be, rectified checking works etc.				
16.1	20mm dia nominal bore	Rmt	15		
16.2	25mm dia nominal bore	Rmt	22		
17	EXPOSED PVC PIPING				
	Description same as above but Providing, laying and fixing the pipes in open on brick or RCC surface with the help of MS 'U' clamps at every 1m and at every turn.				
17.1	25 mm Nominal Bore	Rmt	15		
17.2	40mm nominal bore	Rmt	20		
17.3	20 mm nominal bore	Rmt	18		
18	Providing and fixing following size brass full way gate valve ISI marketed & of leader / GG make or approved equivalent as directed by Engineer in charge				
18.1	25 mm dia	Each	2		
18.2	40 mm dia	Each	2		
19	Providing and fixing in position done type rain water CI grating over PVC rain water pipes etc all complete	Each	2		

S.No.	Description works	Unit	Qty	Rate	Amount
20	NAHAN I (FLOOR) TRAP				
	Providing and fixing PVC floor trap of self cleansing design conforming to IS spec with 100mm inlet 75mm outlet. Rate shall include making all necessary leak proof connections etc	Each	5		
21	Providing and fixing Stainless steel grating of approved quality, colour and make				
	a) Circular type with cockroach proof fixture	Each	5		
22	GULLY TRAP WITH CHAMBER				
	Providing and fixing square mouth gully trap including constructing 300 x 300 MM internal size brick masonry chamber with 230mm thick brick masonry in 1:5 cement Mortar, excavation 75mm thick PCC 1:4:8 bed, plastering with neat cement finish Medium duty CI cover with frame etc complete	Each	3		
23	Supplying and fixing approved make pvc SWR (4kg/sqm) pipes; lowering the pipes into trenches aligning, laying to gradient, joining the socket and spigot end will special adhesive, conducting water test for leak, making earth work excavation In trenches to required depth refilling the trench with excavated earth etc. complete inclusive of all leads and lifts for using 150mm dia PVC SWR pipes	Mt	18		
24	Supplying and fixing approved make pvc SWR (4kg/sqm) pipes; lowering the pipes into trenches aligning, laying to gradient, joining the socket and spigot end with special adhesive, conducting water test for leak, making earth work excavation In trenches to required depth refilling the trench with excavated earth etc. complete inclusive of all leads and lifts for using 110mm dia PVC SWR pipes	Mt	23		
25	Supplying and fixing approved make pvc SWR (4kg/sqm) pipes; lowering the pipes into trenches aligning, laying to gradient, joining the socket and spigot end will special adhesive, conducting water test for leak, making earth work excavation In trenches to required depth refilling the trench with excavated earth etc. complete inclusive of all leads and lifts for using 75mm dia PVC SWR pipes	Mt	8		
26	Providing and constructing following inspection chambers / manholes with 230 mm thick brick masonry in 1.5 cement mortar, a excavation 75mm thick PCC 1:4:8 bed, plastering with neat cement finish medium duty CI cover with frame etc complete				
26.1	600 x 600 x 600mm	No	1		
26.2	450 x 450x 600mm	Nos	2		
	Total				

SCHEDULE OF QUANTITIES					
PLUMBING & SANITARY WORKS					
S.No.	Description works	Unit	Qty	Rate	Amount
H	Plumbing & Sanitary works				
I	For Branch Area				
1	Water Closet				
1.1	European Type				
	<p>Supplying and fixing coloured (pastel colour) vitreous china European type water closet comprising of the following accessories including cutting and making good the walls & floors wherever required complete as directed by Engineer In Charge A) pastel colour vitreous china pedestal type European' water closet with P or S trap of approved make and standard model as 'per the direction of Engineer In Charge:B) 15mm NB brass angle valve as per ISI of approved brand as per the direction of Engineer In Charge</p> <p>C) 15 mm NB CP inlet connection with' Brass unions at the ends. D) approved make and matching colour polypropylene seat cover with necessary brass hinges and rubber bushes etc E) WC connector with neoprene rubber etc F) Low level plastic cistern of matching colour of approved make with necessary fittings, brackets, screws etc all complete</p>	Each	2		
1.2	Same as above but for wall mounted closet In Manager toilet	Each	1		
2	INDIAN WATER CLOSET				
	<p>Supplying and fixing coloured (pastel colour) vitreous china Orissa Pan type water closet comprising of the following accessories including cutting and making good the walls & floors wherever required complete as directed by Engineer In Charge</p> <p>A) Coloured (pastel colour) vitreous china 580 mm Orissa 'pattern water closet of approved make with P or S trap</p> <p>B) Low level flushing cistern of matching colour of approved make and model with necessary fittings brackets screws etc. all complete</p> <p>C) 32 mm PVC flush pipe 10Kg/sq.cm quality of approved length with necessary fittings clamps etc'</p> <p>D) 15 mm NB CP inlet connections with brass union at the ends</p> <p>E) 15 mm NB brass angle valve as per ISI of approved brand as per the direction of Engineer In Charge</p> <p>F) WC connector with neoprene rubber</p>	Nos.	2		

S.No.	Description works	Unit	Qty	Rate	Amount
3	HAND WASH BASIN				
	Providing and fixing (pastel colours) wash basins of size 550 x400 without pedestal including the following accessories -15mm basis CP approved make stop cock -1 No. -15mm CP connections from the above stop cock to pillar cock - 1 No -32mm dia waste coupling, CP brass chain and rubber stopper 30mm bottle trap with cleaning eye, extension piece and wall flange. Providing and fixing brass CP approved make 13mm half turn pillar cock Rate to include supply, painting and fixing of necessary CI brackets with nuts and bolts and fixing the wash basin with all necessary connections in walls.	Each	3		
4	Same as above but for fixing counter too wash basin.	Each	2		
5	Providing and fixing bevelled edge mirror of superior glass of 5.5 mm thick & 600 x 600 mm size of approved make, 3mm thick fell backing or 6 mm asbestos sheet or with wooden beads all-round of specified size and fixed with wooden plugs with CP brass screws and cup washers etc all complete as directed by Engineer in Charge	Each	3		
6	Providing and fixing readymade CP brass soap tray near wash basin with CP. brass screws of approved make	Each	1		
7	Providing & fixing CP brass towel ring.	Each	3		
8	Providing and fixing C.P. Towel Rail not less than 600mm length	Each	1		
9	Providing & fixing CP brass stop cock with wall flange of approved make conforming to IS:89	Each	2		
10	Providing & fixing CP Brass short body bib cock foam' flow 15 mm of approved make with adjustable wall flange conforming to IS standers	Each	4		
11	Providing & fixing CP Brass long body bib cock foam flow 15 mm of approved make with adjustable wall flange conforming to IS standers	Each	2		
12	Supply and fixing 15mm CP brass angle cock with wall flange and 450mm long CP brass tube with end nuts for the inlet connection etc., for sink complete.	Each	5		
13	Supplying and fixing CP health faucet with two in arrangement along with necessary accessories, metal hose and other materials etc, complete.	Each	2		

S.No.	Description works	Unit	Qty	Rate	Amount
14	Providing and fixing Stainless Steel sink with drain board of approved make and C.P, brass chain with rubber plug,40mm C.P. waste complete of approved quality and make.	Each	1		
15	Supplying. fixing and testing 6kg PVC pipe confirming to IS 4985 waste connection from wash basin urinals, floor trap, with solvent cement joints including of all fittings laid under floor, wall chase etc., and provide pcc encasing for all internal pipes with laying cement concrete 1:5:10 mix using 6mm jelly casing all round the pipes the work include the wall chase and making good the same by using cement mortar etc.,				
15.1	a) 40mm dia	Rmt	25		
15.2	b) 75mm dia	Rmt	15		
15.2	c) 110mm dia	Rmt	18		
16	Providing and fixing CPVC pipes of approved make complete with brass fittings including chasing the walls (Internal work) and pressure pipes shall be duly fixed at site, with necessary cutting & jointing of pipe with approved quality jointing lubricant The pipes shall be fixed properly aligned. Work to include making necessary holes in the masonry walls etc. and making good the damaged portion with mortar filling with 1:4 mix. Before handing over, leak test shall be carried out and any defects found shall be rectified checking works etc.,				
16.1	20mm dia nominal bore	Rmt	25		
16.2	25mm dia nominal bore	Rmt	35		
17	Exposed PVC Piping				
	Description same as above but Providing, laying and fixing the pipes in open on brick or RCC surface with the help of MS 'U' clamps at every 1m and at every turn.				
17.1	25mm dia nominal bore	Rmt	25		
17.2	40mm dia nominal bore	Rmt	35		
17.3	20mm Nominal bore	Rmt	18		
18	Providing & fixing following size brass full way gate valve ISI marked & of approved make as directed by Engineer In charge				
18.1	25mm dia	Each	2		
18.2	40mm dia	Each	1		
19	Providing and fixing in position dome type rain water CI grating over PVC rain water pipes etc all complete	Each	3		

S.No.	Description works	Unit	Qty	Rate	Amount
20	NAHANI (FLOOR) TRAP				
	Providing and fixing PVC floor trap of self cleansing design conforming to IS specs with 100mm inlet, 75mm outlet, Rate shall include making all necessary leak proof connections etc	Each	8		
21	Providing and Fixing Stainless steel grating of approved quality, colour and make	Each	8		
	a) Circular type with cockroach proof fixture	Each	2		
22	Gully trap with Chamber				
	Providing and fixing square mouth gully trap including construction 300 x 300mm internal size brick masonry chamber with 230mm thick brick masonry in 1:5 cement mortar, excavation, 75mm thick PCC 1:4:8 bed, plastering with neat cement finish brick masonry in 1:5 cement mortar, excavation, 75mm thick PCC 1:4:8 bed, plastering with neat cement finish, Medium duty CI cover with frame etc. compete	Each	2		
23	Supply and fixing approved make PV SWR (4kg/sqmm) pipes; lowering the pipes into trenches, aligning, laying to gradient, joining the socket and spigot end with special adhesive, conducting water test for leak, making earth work excavation in trenches to required depth refilling the trench with excavated earth etc., complete inclusive of all leads and lifts for using 150mm dia pvc SWR pipes.	rmt	15		
24	Supply and fixing approved make PVC SWR (4kg/sqmm) pipes; lowering the pipes into trenches, aligning, laying to gradient, joining the socket and spigot end with special adhesive, conducting water test for leak, making earth work excavation in trenches to required depth refilling the trench with excavated earth etc., complete inclusive of all leads and lifts for using 150mm dia pvc SWR pipes.	rmt	35		
25	Supply and fixing approved make PVC SWR (4kg/sqmm) pipes; lowering the pipes into trenches, aligning, laying to gradient, joining the socket and spigot end with special adhesive, conducting water test for leak, making earth work excavation in trenches to required depth refilling the trench with excavated earth etc., complete inclusive of all leads and lifts for using 150mm dia pvc SWR pipes.	rmt	12		

S.No.	Description works	Unit	Qty	Rate	Amount
26	Providing and constructing following size inspection chamber / manholes with 230mm thick brick masonry in 1:5 cement mortar, excavation, 75mm thick PCC 1:4:8 bed, plastering with neat cement finish, Medium duty CI cover with frame etc. complete				
26.1	450 x 450 x 600mm	Nos.	1		
26.2	450 x 450 x 600mm	Nos.	3		
27	Cleaning the existing manholes including repairing and benching	Nos.	6		
	Total				

Signature of contractors

Date:

Place :