

**TIDEL PARK COIMBATORE LTD**

(A JV of TIDCO,ELCOT,TIDEL &amp; STPI )

**INTERNATIONAL TECHNO COMMERCIAL TENDER  
PART - II - BILL OF QUANTITIES****INTERIOR FIT-OUT AND FURNISHING WORKS IN THE BUILDING COMPLEX OF  
INFORMATION TECHNOLOGY  
PARK AT VILLANKURICHI (SEZ AREA ), COIMBATORE****DUE DATE FOR SUBMISSION : ON OR BEFORE 26TH MARCH 2010 AT 15.00 HOURS****TO BE SUBMITTED TO :****The Chairman  
M/s. TIDEL Park Coimbatore Ltd  
( First Floor - TIDEL Park )  
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Taramani,Chennai - 600 113 - INDIA  
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Fax No: 044-24991318****OWNER'S ENGINEER****M/s.TATA CONSULTING ENGINEERS LTD  
#73/1,Sheriff Centre,  
St.Marks Road,  
Bangalore -560001- INDIA  
Tel No: 080-66226000  
Fax No: 080-22274873****BID SUBMITTED BY:****M/s. \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_****FEBRUARY 2010**

<b>TIDEL PARK COIMBATORE LTD ( A JV OF TIDCO, ELCOT, TIDEL &amp; STPI )</b>		
<b>BUILDING COMPLEX OF INFORMATION TECHNOLOGY PARK AT VILANKURICHI (SEZ AREA), COIMBATORE</b>		
<b>SUMMARY OF INTERIOR WORKS INCLUSIVE OF LIGHTING</b>		
<b>S.NO</b>	<b>DESCRIPTION</b>	<b>AMOUNT (in INR)</b>
<b>A</b>	<b>Interior works</b>	
<b>B</b>	<b>Modular furniture</b>	
<b>C</b>	<b>Internal Electrification Works</b>	
	<b>GRAND TOTAL in Rs. (A+B+C)</b>	

SIGNATURE OF TENDERERS

<b>TIDEL PARK COIMBATORE LTD ( A JV OF TIDCO, ELCOT, TIDEL &amp; STPI )</b>		
<b>BUILDING COMPLEX OF INFORMATION TECHNOLOGY PARK AT VILANKURICHI (SEZ AREA), COIMBATORE</b>		
<b>SUMMARY OF INTERIOR FITOUT WORKS</b>		
<b>S.NO</b>	<b>DESCRIPTION</b>	<b>AMOUNT (in INR)</b>
<b>A</b>	<b>INTERIOR WORKS</b>	
<b>1</b>	<b>CUSTOM MADE FURNITURE</b>	
<b>2</b>	<b>PARTITION WORKS</b>	
<b>3</b>	<b>MISCELLANEOUS WORKS</b>	
<b>4</b>	<b>FALSE CEILING WORKS</b>	
<b>5</b>	<b>INTERNAL PAINT FINISHES</b>	
<b>6</b>	<b>FLOORING WORKS</b>	
	<b>TOTAL OF INTERIOR WORKS</b>	

SIGNATURE OF TENDERERS

**TIDEL PARK COIMBATORE LTD  
( A JV OF TIDCO, ELCOT, TIDEL & STPI )**

**BUILDING COMPLEX OF INFORMATION TECHNOLOGY PARK AT VILANKURICHI  
(SEZ AREA), COIMBATORE**

**BILLS OF QUANTITIES FOR INTERIOR WORKS AT TIDEL OFFICE AND COMMON AREAS - COST ESTIMATE**

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comn area	IBMS			
<b>1</b>	<b>CUSTOM MADE FURNITURE</b>							
<b>1.01</b>	Providing and fixing <b>Reception table</b> , made to shape and pattern identical to Architect's drg. and to a height of 1000 mm / 750 mm ( two levels), but in general it shall be made of 19 mm thick BWR plywood as table top, sides, front and rear side with adequate supports as directed in both horizontal and vertical directions. The table shall be provided with pencil drawer, drawer unit with openable shutters and one intermediate shelf for each person and key board tray at the specified location using BWR plywood 12 mm thick etc. complete. All external surfaces shall be finished with 3.5 mm thick imported veneer of approved shade duly finished with melamine polish and the internal surfaces shall be of sealer finish. In addition, the front elevation side shall be fixed in combination with metallic laminate and veneer as per pattern detailed in dwg. Rate shall be inclusive of providing prepolished 20mm tk.granite slab of approved colour as table top and for providing edge bevelled 12mm thick toughened glass top as customer ledge shown in dwg using SS studs, cap etc; complete.	<b>Each</b>	<b>1</b>	<b>1</b>		<b>2</b>		
	Rate shall include for providing Stainless steel skirting at table bottom level, with necessary hardware's, sliding runners, MS powder coated wire manager – 50 mm dia, teakwood lipping / moulding duly melamine polished to a specified size elsewhere is required and locking facility with one master key for all drawers / openable shutters of approved make and ISI mark etc. complete. Basic cost of veneer Rs.807/Sqm) Size 3000mm long							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
<b>1.02</b>	Providing and fixing <b>conference Room table</b> of specified size made to shape and design, but in general the table top shall be made of 19 mm thick BWR Plywood (Two layer at edges) with adequate supports in criss-cross manner <b>(Note: Supports should be spaced in such a manner that adequate leg Space should be available)</b> , details as directed/ shown in dwg, and the table top and all exposed surfaces including support structure) shall be fixed with approved shade of 3.5 mm thick veneer. All the exposed surfaces shall be duly finished with melamine polish of required level. All internal(hidden) surfaces shall be of sealer finish.. Rate shall be inclusive of teak wood edge moulding beadings finished with melamine finish matching to the veneer finish, cable raceway with openable doors and necessary hardware's including making provision for fixing of POP-up boxes ( all internal surfaces of POP up boxes shall be laminated) etc., complete. The bottom support structure shall have openable doors for the purpose of easy cable management. The basic cost of veneer is Rs.807/sqmt.							
<b>a</b>	a) shape as per drawing table of width 1800mm and lenth-7000mm(at centre line)	<b>Each</b>	<b>1</b>			<b>1</b>		
<b>1.03</b>	Providing and fixing of <b>Executive table</b> to specified size made to shape and design as mentioned below, but in general the table shall be made of 19mm thick BWR plywood for top and adequate supports in criss-cross manner, details as directed/ shown in dwg, all exposed surfaces shall be fixing with 3.5mm thick approved shade veneer. All the exposed surfaces shall be finished with melamine polish. All internal(hidden) surfaces shall be of sealer finish. providing teak wood edge moulding beadings finished melamine finish matching to the veneer finish. Rate shall be inclusive of providing two drawers and storages as per drg. detail, 50mm dia wire manager and with necessary hardware's and approved fittings like hinges, metal drawer slides, locking arrangement, handle etc., complete. Basic cost of veneer Rs.807/Sqm							
<b>a</b>	<b>Chairman table</b> size 3000x 1200mm, Side unit 1800x 600mm, rear side 2600x450mm and discussion table 1200mm dia	<b>Each</b>	<b>1</b>			<b>1</b>		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
<b>1.04</b>	<b>Storage Units:</b> Providing and fixing rear storage unit to a depth 450mm and height as mentioned below and as per drawing,. but in general, it shall be made out of 19 mm thick BWR plywood on all sides including top, with intermediate shelves with necessary teakwood supports and the openable shutter shall be made out of 19mm thick BWR plywood with necessary teakwood beadings etc complete. All exposed surfaces shall be finished with <b>3.5 mm thick veneer</b> of approved shade finished with melamine polish and all inner / recessed surfaces shall have sealer polish. Rate to include all hardware's, auto closing cabinet heavy duty hinges, handles - of approved make, including locking arrangements with master key of approved make etc. complete.(meeting rooms) basic cost of veneer Rs.807/Sqm)							
	a) Height of the storage shall be 750mm	RM	20			20		
	b) Height of the storage shall be 1200mm	RM	2			2		
	c) Height of the storage shall be 2100mm	RM	3			3		
<b>1.05</b>	Pigeon hole Rack: Providing and installing <b>open and closed pigeon hole rack</b> size as shown in Dwg.but in general it shall be made of 19mm BWR ply for horizontal and vertical, all exposed surfaces are finished with 1mm tk. Laminate of approved colour shade and other recessed surfaces are finished with polish. Rate shall be inclusive of providing teakwood lipping of specified sizes, and necessary hardware's etc;complete.(Size shall be width 450 and height 2100mm and pigeon hole size 375mmx375mm)(70% closed and 30% open) near security)	RM	2			2		
<b>1.06</b>	Providing and fixing of <b>overhead storage</b> of size 600mmx400mm with internal shelf to a width of 300mm shall be fitted into wall with necessary hardware's etc. The top, bottom, back and intermediate shelf having 19mm thick BWR plywood with 1.5mm thick laminate. The openable shutter shall have 19mm thick BWR plywood and laminate with hardware's like cabinet hinges of approved make, ball catches etc. all as per standard practice. The basic cost of laminate Rs.400/sqmt.	RM	5			5		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
1.07	<b>Pantry Counter with Storage Cabinet:</b> Providing and fixing granite counter to a minimum width of 600mm and to a specified height as shown in drawing but in general, the counter top shall be made of 19mm thick Marine ply topped with granite slab of 19mm thick, 1st quality approved colour/grade granite slab. The rate shall include for the providing storage unit below with openable shutters. The top, bottom and intermediate shelf having 19 mm thick Marin plywood with 1mm thick laminate of approved shape. The openable shutter shall be made of 19mm thick Marin plywood finished with 1.5mm thick laminate including hardware's like handles, hinges, ball catches etc.complete. Rate shall be inclusive of providing provision to fix SS sink drain board, garbo drain, water inlet and outlet pipe etc. The basic cost of laminate Rs.400/sqmt and the granite slab is Rs.1450/sqmt.(Pantry)	RM	5			5		
1.08	Providing and fixing <b>cupboard</b> to a depth of <b>600mm and 2100mm height</b> as per drawing but in general, it shall be made out of 19 mm thick BWR plywood on all sides and intermediate shelves with necessary and the openable shutter shall be made out of 19mm thick BWR plywood with necessary teakwood supports etc complete. All exposed surfaces shall be finished with <b>1.5 mm thick Laminate</b> of approved shade and all inner / recessed surfaces shall have 1mm thick laminate finish of approved shade. Rate to include all hardware's, auto closing cabinet heavy duty hinges, handles - of approved make, including locking arrangements with master key of approved make etc. complete.(basic cost of laminate Rs.400/Sqm)	Sqm			30	30		
1.09	Providing and fixing artificial <b>plant trough</b> formed with 18 mm thick marine ply, outer surfaces are finished with 3.5 mm thick veneer with melamine polish and inner surfaces are finished with 1mm thick laminate of approved shade etc. Rate shall include for providing and fixing of size 18 x 6 mm teak wood lipping on top and 100 mm high skirting at bottom all as directed. i) Size 450x450x450mm	Each	10			10		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
<b>1.10</b>	Providing and fixing <b>leather sofa</b> made to shade and pattern as per design but in general, the sofa shall be made out adequate size of teakwood frames in both horizontal and vertical directions and 2 nos. 4 mm thick plywood in curved shape portion with necessary teak wood frames and supports to shape and profile. Rate to include to provide MM foam 150mm thick, leather upholstery ( basic cost of leather -Rs 900 per RMT) of approved texture and colour and approved hard wares etc. complete as directed:							
<b>a</b>	Single seater (App.Size 900 x 825 x 800)	Each	1			1		
<b>b</b>	Two seater ( App. Size 1400 x 825 x 800)	Each	1	30		31		
<b>c</b>	Three seater (App.Size.2000 x 825 x 800)	Each	1			1		
<b>1.11</b>	<b>Running counters:</b> Providing and fixing counter top to a width of 600 mm and 750 mm high made to shape and size shown in drawing ,using 19 mm thick BWR plywood with necessary bracket supports both in horizontal and vertical directions. The exposed surfaces shall be finished with 1.5 mm thick laminate of approved shade and the inner surfaces shall be of sealer polish. All the edges of table top shall be provided with teakwood lipping of specified sizes. Each person shall have one hanging drawer unit, key board tray consists of 2 drawers, using 12 mm thick plywood etc with necessary hardwares and 1 No. of MS powder coated wire manager 50 mm dia. should be provided for each person and key board / drawer unit shall run on sliding runners of approved make. ( IBM)	RM		5		5		
	<b>Total Summary of custom made works</b>							
<b>2</b>	<b>PARTITION WORKS</b>							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
2.01	Providing and fixing full height <b>solid partition</b> as per drawing , made of Aluminium extruded sections of size 50x25mmx1.5mm thick in both horizontal and vertical direction at 600 mm c/c spacing. All the vertical frames shall be continuous and screw fixed in the flooring at bottom and the alternative vertical frames should be anchored in the ceiling RCC slab above the false ceiling at top. The framework shall be covered with single layer 8mm thick BWR plywood on both sides up to 75mm above false ceiling. The cost of necessary hardware's etc; as required for complete the works. Actual seen surface area.(i.e) from FFL to bottom of false ceiling height will be measured and paid and is there any doors, glass panels are provided in this partition the area of the same shall be deducted.	Sqm	500			500		
2.02	Providing and fixing <b>wall paneling</b> as per drawing , in general it shall be made of Aluminium extruded sections of size 50x25mmx1.5mm thick in both horizontal and vertical direction at 600 mm c/c spacing. The framework shall be covered with single layer 8mm thick BWR plywood on one sides up to 75mm above false ceiling. The cost of necessary hardware's etc; as required for complete the works. Actual seen surface area.(i.e) from FFL to bottom of false ceiling height will be measured and paid.	Sqm	285			285		
2.03	Providing and fixing <b>column paneling</b> as per drawing , in general it shall be made of Aluminium extruded sections of size 50x25mmx1.5mm thick in both horizontal and vertical direction at 600 mm c/c spacing. The framework shall be covered with single layer 8mm thick BWR plywood on one sides up to 75mm above false ceiling. The cost of necessary hardware's etc; as required for complete the works. Actual seen surface area.(i.e) from FFL to bottom of false ceiling height will be measured and paid.	Sqm	65			65		
2.04	Providing and fixing of <b>1.5mm thick laminate</b> of approved color and shade with grooves and lines and in patterns on specified area as instructed by Architect/Client . The cost of necessary hardware's, adhesives, wastages etc; as required for complete the works. Base cost of 1.5mm laminate is Rs.400/1sqmt. Actual visible surfaces only will be measured and paid.	Sqm	315			315		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
2.05	Providing and fixing of <b>3.5mm thick veneer</b> of approved color and shade with grooves and lines and in patterns on specified area as instructed by Architect/Client, exposed surfaces of veneer shall be finished with melamine polish of required level. The cost of necessary hardware's, adhesives, wastages etc; as required for complete the works. Base cost of 3.5mm veneer is Rs.800/1sqmt. Actual visible surfaces only will be measured and paid.	Sqm	1035			1035		
2.06	Providing and fixing <b>ACP</b> of approved shade & make fixing on plywood surface as per the drawing. The rate shall be inclusive of necessary adhesives, wastage and hardware's etc; complete and making pattern as per the drawing. (cost of the ACP is Rs.1400/1Sqmt).	Sqm	10			10		
2.07	Providing and fixing <b>toughened glass</b> panel to the specified thickness as given in below in the solid partition (laminated/calcium silicate/Gypsum board). The frame work in the the glass panel circumference shall be fixed with 75mmx19mm size first class teak wood frame and fixing the toughened glass at the centre of teak wood frame using first class teak wood beadings to shape and size as per drawing. The exposed teak wood surfaces shall be finished with melamine polish. The rate to be include the cost of necessary hardware's, adhesives, wastage etc; as required for complete the works. Actual seen glass surface area will be measured and paid.					0		
i	Single layer 8mm thick toughened clear glass	Sqm	40			40		
2.08	Providing and fixing of 8mm thick <b>lacquered glass</b> of approved colour and Saint Gobain or equivalent make over the existing partition, paneling or wall surfaces. The rate shall be inclusive of necessary SS Stud, hardware and wastage etc; complete.	Sqm	10	20		30		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
2.09a	<b>Partition above false ceiling level, closing by Calcium silicate board with frame work.</b> Providing and fixing Partition above the false ceiling level using Aluminium box frames of size 50mmx25mmx1.5mm thickness at 610mm/c on both directions and to be covered with 9mm thick single layer Calcium silicate board on both sides. The joints are to be finished with jointing compound as per manufacturers specification. The boards shall be fixed with counter sunk stainless steel / fully threaded self tapping screws of suitable dia and length at every 300 mm c/c. (Above full glass partitions)	Sqm	25		80	105		
b	<b>Specification same as above but the partition shall be curved shape in server room from floor to ceiling</b>	Sqm			45	45		
2.10	Same specification as given in above item no-2.09, but only for providing and fixing of 9mm thick calcium silicate board in the existing aluminium partitions except the cost of aluminium frame work. (above solid partition)	Sqm	100			100		
2.11	Extra rate for over and above, for providing <b>Resin bonded Glass wool</b> (acoustic insulation material) 32kg/cum density of 50 mm thick approved fiberglass wool rapped with 40GSM fiber glass tissue UP Twiga) in solid partition to make it as acoustic proof.	Sqm	450			450		
2.12	Supplying and fixing Fully openable <b>Patch Fitting partition and door</b> of 'DORMA' or equivalent with " <b>PT STANDARD</b> " range Fittings to get a clear height with top & Side Fixed panels. In general the openable door cum Fixed panel consists of sliding channel with all fitting and Corner Fittings <b>PT91</b> , Top pivot <b>PT24</b> , Top patch <b>PT20</b> , Bottom patch <b>PT10</b> , with BTS 75 V Floor spring with SS cover plate, Standard Spindle <b>US10</b> , corner lock at top & bottom, Euro profile cylinder with 3 keys, lock strike plate <b>LKP</b> , Pull handle(TGDI35025) SS Satin Finish and 12mm thick clear toughened glass as per design and all confirming to manufacturers specification. SS fixtures shall conform Grade SS 304 to BS 7352. The rate shall be inclusive of wastage and necessary hardware's etc; as required for complete the works							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
	Rate shall include for providing Glass Fin to support the Patch Fitting Door, transport charges, handling, loading and unloading, Installation, protecting the module and glass till handing over, testing, commissioning all necessary hardware's, Structural supports if any, etc. complete and all as per manufacturers specifications as directed.							
i	a) Rate for partition only	Sqm	55		20	75		
ii	b) Rate for single leaf patch fitting doors only	Sqm	5	25	10	40		
	b) Rate for double leaf patch fitting doors only	Sqm		115		115		
2.13	<b><u>Straight Glazed Partition-Slim line partition of JEB ASIA/Alloy Make or equivalent approved make:</u></b> Supply and installation of full height straight glass partition 12mm thick toughened glass and proprietary anodized aluminium sections of the WIDE LINE series of 105x25mm thick. The sections shall be matt natural anodized and shall be a combination of SAP 010A/16/18/20 on all four sides as per the manufacturer's specification and shall be inclusive of all accessories like stake1, stake3 and wedge 2G/B from FFL to the bottom of false ceiling height.	Sqm		910		910		
2.14	<b>Glass film</b> Fixing to glass panels using 3M film stickers (Frosted crystal code no:-7725-324 or approved color) as per required pattern and shape and as directed. The vendor shall submit required warranty certificates from the manufacture.	Sqm	75			75		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
2.15	Providing and fixing of <b>partition total four layers of gypsum plasterboard</b> each layer 12.5 mm thick (in staggered pattern), two layers on each side of GI steel metal stud frame of size 48 mm thick using floor and ceiling channels of 48 mm width and 0.55 mm thick and having equal flanges of 36 mm with GI stud 48 x 38 x 1 mm thick and placed @ every 600 mm c/c in vertical direction upto ceiling and the ends should be crimped / screwed rigidly at top and bottom etc. complete. Rate shall include stiffen the partition horizontally with GI channel of 0.99 mm thick and screw it on either side of the GI frame etc. and also ensure that the stud frame at the sides and top level of the joinery opening, the board joints shall be staggered pattern to avoid continuous joints etc. Air gap between the plasterboards is lined with 24kg/cum density of 50 mm thick approved fiberglass wool rapped with 40GSM fiber glass tissue(UP Twiga). .	Sqm	10			10		
	The contractor must ensure that the fiberglass wool is wire-braced to prevent it from 'lumping down' over a period of time. The rate shall be inclusive of providing aluminium skirting 100mm high and 1mm thick of ALLOY aluminium profile with natural color andoizing fixing at bottom on both side of the partition. Fixing of channels shall also to provide suitable for attachment of fixtures to the partitions and the perimeter opening should be trimmed with GI metal studs packed with best quality treated timber frame to a required size and shape with 2 coats of fire proof paint over a coat of anti-termite treatment / anti-corrosive primer to receive screws / anchor fasteners to fix Joinery frame in position etc. complete. Rate shall include Gyp-board on the specified side of the frame work vertically spanning from floor to ceiling fixed with dry wall screws to a suitable dia and length at every 300 mm c/c. The screws should be of zinc chromium plated, self drilling etc.							
	The joints between the gyp-boards are finished flush and even with jointing compound and paper tape and the surface shall be painted with 2 coats of plastic emulsion paint of approved make and shade over a coat of primer suitable for gyp-board after E-Mix / Pop / Gypsum putty and all as per manufacturer's specification etc complete and all as directed.							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
2.16	Supplying and fixing seamless <b>stainless steel column cladding(circular shape)</b> with non directional Stainless Steel-Satin Finish-12Gauge-AISI-316 Grade with necessary GI Steel Structural supporting arrangements at all levels including cutting, fabricating, erection at all levels, providing openings, all fixtures and fixing accessories such as SS self drilling, self tapping fasteners, etc. including preparation of shop drawings, cost of all materials, labour, scaffolding, wastage, tools, tackles, equipment, transportation, etc;	Sqm		90		90		
2.17	Glassblock Partition: Providing and fixing full height glass block partition using imported make of glassblocks of size 200x200x80mm with jointing compound, adhesives mixed white cement and the joints shall be finished neatly as per the manufacturer's specification.Rate shall be inclusive of providing ply with metallic laminate band around, hardwares etc; as shown in drawing . The partition shall be erected perfectly line and level as per the profiled shape.(Basic cost of glass block Rs.120/ per block)	Sqm	3			3		
<b>Total Summary of partition works</b>								
<b>3</b>	<b>MISCELLANEOUS WORKS</b>							
3.01	Providing and fixing <b>soft board</b> panel of specified sizes having 12 mm thick soft board covered with felt fabric of approved make and shade of premium quality and cost of fabric not less than Rs. 200/- Rm. the board shall have teakwood/cedar/beech/matching wooden beading, lipping all-round. The board shall be fixed on prepared surface with necessary hardware fittings etc. complete. All concealed wood works shall have sealer polish as directed. Rate quoted shall be for the complete finished work including all the materials and labour mentioned above.	Sqm	10			10		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
<b>3.02</b>	Providing and fixing white matt finish <b>white mark writing board</b> of enamelled sheet steel front, GI back over approved inner core, of specified size black or chocolate colour anodised aluminium beading to form the screen including the necessary accessories such as magnetic symbols, magnetic letters, magnetic strips, magnetic eraser, magnetic dry marker 4 Nos., spare felt for eraser, board fixing clips etc. and the board shall be made out of enamelled sheet with backing of AC sheet to suitable thickness etc. complete and all as per manufacturer's specification and as directed by the Employer / Architect. The rate include excise duty, sales tax and surcharge, central excise duty, delivery charges and fixing charges, if any etc. complete and all as directed by the Employer / Architect. Rate shall inclusive of making and fixing wooden ledge for full length of the board for keeping marker pen, eraser etc. Rate quoted shall be for the complete finished work including ledgeboard to keep accesories , and all materials and labour mentioned above.							
<b>I</b>	a) Size of 2400 x 1200mm- (Board room, Vedio Conference Room)	<b>Each</b>	<b>2</b>			<b>2</b>		
<b>ii</b>	b) Size of 1500x1200mm - (10seater meeting Room, MD room, discussion)	<b>Each</b>	<b>3</b>			<b>3</b>		
<b>iii</b>	c) Size of 900x600mm	<b>Each</b>	<b>5</b>			<b>5</b>		
<b>3.03</b>	Providing and fixing <b>Pelmet</b> made to shape and size of 150x150mm as specified drawing, but in general it shall be made out of 19 mm thick BWR ply with approved colour enamel paint ( matching to false ceiling ) as directed. Rate shall be inclusive of necessary fixing accessories like hangers rods/ anchors, sunken screws etc., complete.	<b>RM</b>	<b>40</b>			<b>40</b>		
<b>3.04</b>	Providing <b>skirting</b> of 125mm high using 12mm BWR ply with top and bottom lipped with Teakwood and surface finish with Duco / matching laminate of approved colour with necessary hardware's.	<b>RM</b>	<b>100</b>			<b>100</b>		
<b>3.05</b>	Providing and fixing 20 mm thick pre-polished <b>granite slab in sill</b> including cutting groove in wall, grouting with cement mortar, pointing joints with colored cement, covering with POP, cleaning, etc. complete. (Basic rate Rest. 160/Sft )							
<b>I</b>	For window sills	<b>Sqm</b>	<b>5</b>			<b>5</b>		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
3.06	Making the Half bull nosing in 20 mm thick pre-polished <b>granite slab in sill/jams</b> including cutting grinding and polishing the edges with mirror finish, cleaning, etc. complete.	RM	50			50		
3.07	Providing and fixing 20 mm thick pre-polished <b>granite slab in jam</b> including cutting groove in wall, grouting with cement mortar, making full bull nosing, pointing joints with colored cement, covering with POP, cleaning, etc. complete. (Basic rate Rest. 160/Sft and Width 150mm to 450mm)	Sqm	5			5		
3.08	Providing and fixing of Gradus aluminium <b>threshold plate</b> for the junction of tiles/granite/carpet flooring shall be screwed neatly to the flooring with SS screws.	RM	20			20		
3.09	Providing and fixing of <b>mirror</b> size as per approved size. But in general 6mm thick mirror with aluminium frame for backing frame fixing with 12MM thick BWR ply fixing with stainless steel studs. All side of the mirror shall be covered with Teak wood beading finished with melamine polish.	Sqm	5			5		
3.10	Supplying and fixing of <b>barrier mat</b> roll of Esplanade plus of GRADUS MATTING. The rate inclusive of necessary edging strips/mat well frame ect, all as per manufacture slandered specification.	Sqm	2			2		
3.11	Providing <b>Graphic wall paper</b> fixing on wall/column/partition. Providing and fixing of Digitally reproduced 3M Scotch print decorative graphics (with controlltac & comply feature for direct, bubble-free application on walls) as per the theme selected by clients with UV protective matte over laminate. Customized imagery. MCS warranty of 5yrs must be endorsed by 3M India Limited. The rate shall be inclusive of material, Hardware for fixing the graphics and fixing charges etc. Basic cost Rs.2000/Sqm	Sqm	10			10		
3.12	Providing and fixing of imported <b>wall paper</b> of approved design, fixing details as per manufacture standered.(basic cost Rs.1100/Sqm)	Sqm	75			75		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
3.13	Providing and fixing <b>vertical blinds with 100mm or 89mm wide</b> imported superior polyster base fabric vanes with Scotchguard application as per approved sample, make of Vista Levellor or equivalent and the ranges of louver shall be in ' Select and Classic'. The vertical blinds shall have a head rail of extruded anodised high strength aluminium alloy, shall be 25mmx50mm high or equivalent with wall thickness of 1.2mm or equivalent. End control units consists of reduction gearbox having the reduction ratio of 3.:5:1 for a very smooth operation of the blind.	Sqm	70			70		
	This unit consists of planetary gear in the outer housing, four small transmission gears fitted in the middle assembly and a end receiving gear attached to central sprocket unit. Tilter chain is made of 4.5mm plastic beads moulded on 2.2mm thick polyster card. The pitch of the beads is 6mm. The end control unit have the facility to rotate the louver by 180 degrees. Tilt rod is made of extruded aluminium having 3 keyways and the average dia shall be 5.8mm. Carrier (Runner) is made of moulded plastic having anti friction additive.							
	It consists of polymer housing with wheels mounted on sides & has a gear and worm mechanism with vertical worm fixed with a tongued poly-carbonate stem to hold the louvers. Spacer is made of moulded Derlin having friction additive. The vanes shall be capable of 180 deg. rotation in position and shall be of polyester / viscose yarn dyed in fast colors a strain resistant chemicals treatment or equivalent protective coating shall be applied on vanes. The installation shall be complete in all respects.							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
a	Providing and fixing <b>vertical blinds</b> as specified / shown in drawings , but in general the vanes of vertical blinds <b>100 mm wide made of made of specially coated non-curl Blackout fabric to repel oil / water / stains, with complete fittings and front valance</b> as per approved sample and make including reduction gear tilter louver of 100mm wide. The fabric shall be treated with suitable Dust guard compound. The vertical blinds shall have a head channel,clear anodised of size 44mm x 25mm or 50 x 25mm of extruded from 6063-T5 aluminium alloyas per manufacture's specification.The front profile of the channel shall be curved in shape. The spline shaft shall be of tri-lobular aluminium extrusion of 6063-T5 alloy,with sliding engagement to the slat traveller wom clutches,enabling all travellers to be tilted simultaneously.Slat traveller shall be moulded in a high engineering grade plastic / made of nylon and shall incorporate a worm gear clutch designed to prevent damage.Slat Spacers shall be press formed from 0.2 mm x 5mm stainless ( DIN 17224 ) and shall couple the slat travellers to each other.	Sqm	20			20		
	The tilt control shall be 2.2 mm polyester cord with plastic beads of 4-5mm held in tension by a cord weight.The bottom linkage / chains shall be provided to minimise differential movement of vanes. The chain at vane bottom shall be made of polyester cord with 2mm plastic beads. The bottom weight shall be moulded PVC / GI sheet of min. 1.7mm thick compound,housed in sewnbottom pockets of fabric vanes to hold the vanes taut,and are provided with pivot,pins for attachment of the bottom linkage.The mounting / Extension bracket shall be press formed angle bracket ribbed for stiffness and provided with holes for fixing screws and slotted holes for screw and nut attachment of the channel mounting clips.The clip in bracket shall be of hardened tempered spring steel,press formed to accept the head channel with a snap in action.The slat carrier shall be of moulded nylon/ plastic and shall be suitable for snap insertion into the hook of the slat traveller.							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
<b>b</b>	Supplying and fixing of Effective Optimized System Roller Shade consists of sanitized treated, resilient and colour fast <b>Blackout</b> fabric with high tear strength, Roller Tube, Control Chain, Control Set Left Hand, Control Set Right Hand, Bracket Cover, Chain Connector, O-C Bottom Rail String for conversion Spring, Bottom End Plug, Bottom End Plug Circular, Open Bottom Rail, Tube Bearing Plug etc. Fabric shall be 100% polyester woven, 0.32mm average thickness and acrylic coat.	<b>Sqm</b>	<b>10</b>			<b>10</b>		-
<b>c</b>	Supplying and fixing of Effective Optimized System Roller type bamboo blinds, Roller Tube, Control Chain, Control Set Left Hand, Control Set Right Hand, Bracket Cover, Chain Connector, O-C Bottom Rail String for conversion Spring, Bottom End Plug, Bottom End Plug Circular, Open Bottom Rail, Tube Bearing Plug etc.	<b>Sqm</b>	<b>15</b>			<b>15</b>		
<b>3.14</b>	Supplying and fixing Imported Anti-static <b>Vinyl flooring</b> with HOMOGENEOUS FLEXIBLE vinyl rolls of approved make & shade 2.0 mm thick of standard sizes as per IS -3462 / BS 3261 of manufacturers specification over the existing floor. The rate shall include all cuttings and wastages, cutting and providing tile above electrical trunking, cost of all materials adhesives of SR-505 FEVICOL of M/s. PIDILITE Industries Ltd., make etc, including welding of joints., complete. Only laid area will be measured for payment. Rate quoted shall be for the complete finished work including all the materials and labour mentioned above.	Sqm		<b>5</b>		<b>5</b>		
<b>3.15</b>	Providing and fixing <b>Bison / Gyp boxing</b> over the existing DB shutters with suitable G.I framework. The exposed surface shall be finished with 1.5mm thick laminate of approved color shade while the recessed faces shall be sealer polished. Rate to include door handles made of SS/ Powder coated aluminium, necessary hardwares such as hinges, magnetic ball catch arrangement and wooden trims with paint finish.	Sqm		<b>5</b>		<b>5</b>		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
3.16	"Providing and applying minimum 2 coats of "Birla White – Wall Care Putty – SF or (MF & SF)" - Cement based and Water resistant, of M/s Grasim Industries Limited (White Cement Division), on the already prepared and cured cement plastered surface for internal/ external walls. The putty shall be applied manually with the help of putty blade on the surface. 2nd coat shall be applied over the 1st coat after the 1st coat has dried (duration between any two consecutive coats being minimum 5hrs or depending on the climatic conditions). A gap of 24 hours is to be given after the application of the final coat. Finally the surface is to be smoothed with 500 No water emery sheet to get the smooth finish. The total thickness of the combined coats of SF alone shall not exceed 1.50mm. (The thickness of MF shall be 3mm per coat .)	Sqm		5		5		
3.17	<b>Corecutting in RCC Slab:</b> Making circular / square corecutting in RCC slab using mechanical equipments of required size. Rates shall be inclusive of manpower, water etc. complete.							
	a. 75mm dia	Each		1		1		
	b. 150mm dia	Each		1		1		
	c. 200mm dia	Each		1		1		
3.18	Preparing surface, providing & applying <b>POP punning</b> plaster 6-10 mm thick over exposed wall surface including scaffolding etc. complete. Rate to include for making the wall with plumb line and get smooth surface to receive the paint.(plaster surface including existing walls).	Sqm		50	300	350		
	<b>Total Summary of MISCELLANEOUS WORKS</b>							
<b>4</b>	<b>FALSE CEILING WORKS</b>							
4.01	Providing and fixing at all height false ceiling of <b>12.5 mm thick tapered edge gypsum board</b> conforming to IS: 2095 including providing and fixing of frame work made of special sections power pressed from MS sheet and galvanized in accordance with zinc coating of grade 350 as per IS: 277 and consisting of angle cleat of size 25 mm wide x 1.6 mm thick with flanges of 22 mm and 37 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastener 12.5 mm dia x 40 mm long with 6 mm dia bolts to the angle hangers of 25 x 25 x 0.55 mm of required length, and other	Sqm	270	5600		5870		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
	end of angle hanger being fixed with nut and bolts to GI channels 45 x15 x 0.9 mm running at the rate of 1200 mm centre to centre to which ceiling section 0.5mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450 mm centre to centre shall be fixed in a 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 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long,					0		
	The perimeter of ceiling shall be fixed to wall / partition with the help of raw plugs at 450 mm centre to centre with 25 mm long drive-all screws @ 230 mm interval including jointing and fixing to a flush finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, finisher and two coats of primer suitable for gypsum board as per manufacturers specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction of the Employer / Architect. but excluding cost of painting.							
<b>4.02</b>	Providing & Fixing of Lay in Aluminium Perforated metal ceiling System(Armstrong/Daiken/USG) consisting of 600x600mm Lay in tiles of pre coated Aluminium in 0.7 mm thickness in white colour with standard perforation of 2.5mm dia & open area of 16% and Freudenberg Soundtex acoustical fleece glued to the back of the tile to be laid on grid systems with 15mm wide T - section flanges colour white having rotary stitching on the Main Runner, 1200 mm & 600 mm Cross Tees. The T Sections have a Galvanizing of 120 grams per M2 & passed through 500 hrs of Salt test. The tiles should have Humidity Resistance (RH) of 100%, NRC of 0.70, Fire Performance A2-s1.d0 in module size of 600 X 600 mm, suitable for Green Building application, with Recycled content of 50%. The Tile & Grid system used together should carry a 15 year warrantee.	<b>Sqm</b>	<b>450</b>	<b>4550</b>	<b>300</b>	<b>5300</b>		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
	INSTALLATION: To comprise main runner spaced at 1200mm centers securely fixed to the structural suffix at 1200mm maximum centre & not more than 150mm from spliced joints. The First/Last suspension system at the end of each main runner should not be greater than 600mm from the adjacent wall. 1800mm long cross tees to be interlocked between main runners at 300mm centre to form 1800 x 300 mm module. Cut cross tees longer than 600mm require independent support. Perimeter trim to be wall angles, secured to walls at 450 mm maximum centers. The rate shall be inclusive of making openings for light fittings, grills, diffusers, cutouts, wastage and necessary hardware etc. (GF & all toilet)							
4.03	<b>Wooden Trap door</b> in gyp ceiling corridors of 1200mmx600mm size. The rate shall include for providing 50mmx50mm teak wood framework with 12mm thick BWR ply placed at bottom of the false ceiling level. The exposed surface of plywood is finished with 1.5mm thick laminate of matching colour of the false ceiling and other the other surfaces inside the frame work and plywood shall be finished with two coats of matt enamel paint over a coat of primer and putty as directed.	Each	3	5		8		
4.04	<b>Providing and fixing in true horizontal level false ceiling of silhouette grid system</b> with 15mm white flanges incorporating a 6mm central reveal in white/black colour manufactured by M/s.Armstrong/Daiken or approved equivalent make, using hot dipped galvanized steel section, exposed surface chemically cleaned capping pre-finished in baked polyester paint wall angle of size 3000mmx19mmx19mm used in the periphery of the ceiling fixed to the wall partition / RC Column / band walls with the help of screws at 600mm C/C. Main runner spaced at a 1200mm C/C suspended by using 3mm dia G.I. wire hanger securely fixed to the structural soffit of RC slab by using 6mm anchor fastener at every 1200mm(max) and 1200mm long cross tee to be interlocked between in Main runner at 600mm C/C (max) to form a grid of 1200mmx600mm. 600mm long cross tee fixed in between 1200mm long cross tee for forming a grid of 600mmx 600mm.	Sqm	10	6200		6210		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
	Finally laying 19mm thick Ultima RH95% Micro look Edge mineral fiber acoutic ceiling tile from Armstrong/Daiken or approved equivalent make having fire rating of 60 minutes as per BS 476/23 of 1987, Noise Reduction Co-efficient (NRC) of 0.70, Light Reflectance of 83%, Sound Attenuation of 30 dB, Thermal Conductivity K=0.052 W/m°K, Humidity Resistance of RH-95%. The rate shall be inclusive of making openings for light fittings, grills, diffusers, cutouts, wastage and necessary hardware etc.							
4.05	<p><b>Providing and fixing in true horizontal level false ceiling of silhouette grid system with 15mm white flanges incorporating a 6mm central reveal in white/black colour of approved make, using hot dipped galvanized steel section, exposed surface chemically cleaned capping pre-finished in baked polyester paint wall angle of size 3000mmx19mmx19mm used in the periphery of the ceiling fixed to the wall partition / RC Column / band walls with the help of screws at 600mm C/C. Main runner spaced at a 1200mm C/C suspended by using 3mm dia G.I. wire hanger securely fixed to the structural soffit of RC slab by using 6mm anchor fastener at every 1200mm(max) and 1200mm long cross tee to be interlocked between in Main runner at 600mm C/C (max) to form a grid of 1200mmx600mm. 600mm long cross tee fixed in between 1200mm long cross tee for forming a grid of 600mmx 600mm.</b></p> <p>Finally laying 20mm thick <b>Ecophon FOCUS</b> Tegular edge tile of glass wool acoutic ceiling tile from Saint-gobain or approved equivalent make having non combustible according to EN ISO 1182 , Noise Reduction Co-efficient (NRC) of 0.90, Light Reflectance of 84%, Sound Attenuation of 30 dB, Thermal Conductivity K=0.052 W/m°K, Humidity Resistance of RH-95% at 30°C without sagging, warping or delaminating(ISO 4611). The rate shall be inclusive of making openings for light fittings, grills, diffusers, cutouts, wastage and necessary hardware etc.<b>(Video conference room)</b></p>	Sqm	165			165		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
4.06	Providing and fixing in true level, Armstrong <b>Cellio C9</b> or approved equivalent make Open cell Aluminium lay-in ceiling tiles with border panels forming flush-tegular/board edge of size 600mmx600mmx35mm having Humidity Resistance of 100% RH, and having Fire Performance CLASS 0/Class 1 (BS 476). The tile of 'Silver gray' color with cell size of 75mmx75mm. The grid shall be of "Armstrong" or approved equivalent make with 15mm wide T - section flanges colour having rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 43mm and a load carrying capacity of 23.71 Kgs/M2. The T Sections have a Galvanizing of 120 grams per M2 & passed through 500 hrs of Salt test.	Sqm		10		10		
	INSTALLATION: The mounting rails are suspended at every 600 mm c/c spacing with spans longer than the length of main runner connected by means of mounting rail connectors. The above mounting rails are suspended from true ceiling by using 3mm dia G.I. wire hanger securely fixed to the structural soffit of RC slab by using 6mm anchor fastener at every 1200mm/c. The cross rails are connected to the mounting rail at every 600mm to form a grid of 600mm X 600mm. The 'U' Shaped panels are to be interlocked by matching the top and bottom notches to form tiles with cell sizes of 75x75 mm. The above tile is placed on the grid formed by mounting rails and cross rails to fit perfectly into the notches provided for this purpose. The entire suspension is connected to the wall using color matched wall angle of size 19x19mm. The rate shall be inclusive of wastage and necessary hardware etc.(GF food court)							
4.07a	Providing & Fixing of Armstrong <b>GI plank</b> system with plain finish consisting of 300mm wide planks of lengths up to 3000 mm Planks made out of pre coated GI of 0.5mm thickness with beveled edge in white colour (Global White) with Light Reflectance > 86% . The panel ends will be raised up to 29mm to create a smart hairline end joint. The panels abut each other with a narrow 'V' groove to facilitate the removal of the individual panel without damaging the edge of the pane	Sqm		10		10		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
	<b>Installation:</b> To comprise of 3000 mm long 'carrier bars' manufactured and supplied by Armstrong to be spaced at 1200mm maximum centres securely anchored to the structural soffit by 6mm/8mm threaded rods. The last hanger at the end of each carrier bar should not be greater than 600mm from the adjacent wall. Tiles should be clipped on to the special locking arrangement provided in the carrier bar from below. Perimeter trims to be of Armstrong wall angles of white colour secured to walls at 450mm maximum centres. The rate shall be inclusive of making openings for light fittings, grills, diffusers, cutouts, wastage and necessary hardware etc.(GF)							
<b>b</b>	<b>Specification same as above but the plank shall be 0.7mm thick aluminium instead of GI plank.(GF)</b>	<b>Sqm</b>		<b>10</b>		<b>10</b>		
<b>4.08</b>	Providing & Fixing in true horizontal level Armstrong Suspended Ceiling System with <b>ARMSTRONG METAL MESH LAY-IN ceiling PANELS</b> . The panels shall be assembled made of expanded GI metal sheet of minimum 1.2mm thickness and approved mesh pattern (Colour: Global White/Silver Grey/Black) forming a hexagonal/Rhombus mesh patterned tile of size 600 X 1200 mm or 600x600mm laid on 24XL - Hot Dipped Galvanized steel suspension System (Colour: Global White/Silver Grey/Black) having rotary stitching on the Main Runner, 1200 mm & 600 mm Cross Tees	<b>Sqm</b>		<b>10</b>		<b>10</b>		
	<b>INSTALLATION:</b> To comprise main runner spaced at 1200mm centres securely fixed to the structural socket by approved hanger at 1200mm maximum centre. The last hanger at the end of each main runner should not be greater than 450mm from the adjacent wall. Flush fitting 1200mm long cross tees to be interlocked between main runners at 600mm centre to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. 600mm Cross tees shall be inserted between two 1200mm cross tees to create a 600x600mm pattern. Perimeter trim to be Armstrong wall angles or channel, secured to walls at 450 mm maximum centres. The rate shall be inclusive of making openings for light fittings, grills, diffusers, cutouts, wastage and necessary hardware etc.(GF)							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
4.09	Providing and fixing in true horizontal level Armstrong or approved equivalent make Concave and Convex demountable ceiling panels made of aluminum of nominal size 600mmx900mmx1.0mm (actual size: 607x911x1.0mm) having a perforated (microperforation with 1.5mm dia holes and 22% open space and 12.8mm border) surface and having Fire Performance CLASS A (ASTM E 84) and an NRC of 0.7. The tile shall have silver grey colour and shall be laid on Armstrong hook-on grid systems with hook-on (J-bar) carriers and Alignment (spacer) bars suspended from the structural soffit using a system of threaded rods	Sqm		5		5		
	INSTALLATION: To comprise of alignment bars spaced at every 1200 mm intervals secured to the structural soffit using 6mm (M6) threaded rods in a direction parallel to the length of the curved panels. The hook on carrier bars shall be secured perpendicular to the alignment bars using rivets or nuts at every 911mm intervals. The concave and convex curved panels shall be placed alternatively on the hook-on bars and secured by the special tabs provided on the hook-on carriers. Special perimeter trim (optional) may be fabricated to conceal the carrier bars in the shorter direction of the panel. The rate shall be inclusive of making openings for light fittings, grills, diffusers, cutouts, wastage and necessary hardware etc. (GF)							
4.10	<b>Providing and fixing of axiom knife perimeter trim of Armstrong or approved equivalent make</b>	RM		450		450		
	1. Axiom Trim Channel (AXKE2STR42) : Knife Edge axiom with 150mm wide bottom face with straight with special bosses formed for attachment to the Axiom tee-bar connection clip or hanging clip, extruded Aluminum, factory finished (minimum 50 microns factory - applied baked polyester paint).Aluminum Extrusions formed with special bosses to receive the tee bar connection clips and splice plates, to provide positive mechanical lock with no visible fasteners.							
	2. Axiom Splice Plate (AX4SPLICE): Formed to fit into special bosses in the Axiom and locked in place with factory-installed screws. These Steel splice plates are used to align and secure all joints between sections of Axiom trims. Each joint of Knife Edge Axiom with another trim or a corner piece will require one splice plate.							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
	3. Axiom Tee-Bar Connection Clip (AXTBC): Commercial quality G.I formed to fit into special bosses and locked in place by factory-installed screws and attached to Armstrong (XL-24 / XL-15/Silhouette/Interlude) suspension system members. T-Bar connection clips are used to attach the Axiom to the supporting Suspension system members. These two-piece Aluminum clips are supplied as an assembled unit with the steel locking screw factory installed. One clip is required at each location where the grid system intersects the Axiom trim.							
	4. Alignment Plate (AXKEALIGN): Formed to fit to the backside of flat face (flange) of the axiom between the special notch provided in the section and the web of the perimeter trim to prevent misalignment of the flange. Each joint of Knife Edge Axiom with another trim or a corner piece will require one alignment plate.							
	5. Corner pieces (AXKE90OC/AXKE90IC): Factory finished knife edge axiom sections welded at 90 degrees used at corners connected to the main trim channel by means of a splice plate and alignment plate- Outside corner pieces shall be used for normal bends and Inside corner pieces be used for reverse bends.							
	6. Hanging Grid clips(AXHGC):Knife edge axioms can be hung separately to the structural soffit by engaging the Hanging Grid Clip into the bosses of the Axiom trim channel and securing it to structural soffit using aircraft cables/GI wire.							
	<p><b>Installation Procedure:</b></p> <p>1. Hang the sections of Axiom Trim onto the grid system by engaging the top ear of the connection clip under the boss of the channel trim. Slide the lower leg downward to engage the lower boss on the trim and secure by tightening the locking screw.</p> <p>2. Complete the installation of all channel trims sections. Install and secure the splice plates, corner pieces, alignment plates etc. For additional support and stability, use hanging grid clips to suspend from structural soffit.</p> <p>3. Make adjustments as necessary to properly align the complete installation.(GF)</p>							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
4.11	<b>Providing and fixing of axiom perimeter trim of Armstrong or approved equivalent make</b>							
	<b>1. Axiom Trim Channel:</b> 50mm/100mm/150mm wide face with 19.3mm(+/-0.50mm) horizontal legs, straight or curved sections with special bosses formed for attachment to the Axiom tee-bar connection clip or hanging clip, extruded Aluminum, factory finished (minimum 50 microns factory -applied baked polyester paint).Aluminum Extrusions formed with distinct architectural detail groove on top and bottom flanges and special bosses to receive the tee bar connection clips and splice plates, to provide positive mechanical lock with no visible fasteners.							
	<b>2. Axiom Splice Plate:</b> Formed to fit into special bosses in the Axiom and locked in place with factory-installed screws. These Steel splice plates are used to align and secure all joints between sections of Axiom trims. Each joint in the 50mm section height will require one splice plate whereas 100 mm & 150mm Axiom trims will require 2 splice plates at each joint.							
	<b>3. Axiom Tee-Bar Connection Clip:</b> Commercial quality aluminum formed to fit into special bosses and locked in place by factory-installed screws and attached to Armstrong (XL-24 / XL-15/Silhouette/Interlude) suspension system members. T-Bar connection clips are used to attach the Axiom to the supporting Suspension system members. These two-piece Aluminum clips are supplied as an assembled unit with the steel locking screw factory installed. One clip is required at each location where the grid system intersects the Axiom trim							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
	<p><b>Installation Procedure:</b></p> <p>1. Hang the sections of Axiom Trim onto the grid system by engaging the top ear of the connection clip under the boss of the channel trim. Slide the lower leg downward to engage the lower boss on the trim and secure by tightening the locking screw.</p> <p>2. Complete the installation of all channel trims sections. Install and secure the splice plates.</p> <p>3. Make adjustments as necessary to properly align the complete installation. The rate shall be inclusive of making cutouts, wastage and necessary hardware etc.(GF)</p>							
<b>a</b>	<b>Size of the axiam is 50mm</b>	<b>RM</b>		<b>5</b>		<b>5</b>		
<b>b</b>	<b>Size of the axiam is 100mm</b>	<b>RM</b>		<b>5</b>		<b>5</b>		
<b>c</b>	<b>Size of the axiam is 150mm</b>	<b>RM</b>		<b>5</b>		<b>5</b>		
<b>4.12</b>	<p><b>Providing and fixing false ceiling</b> using 12mm thick BWR Plywood, finished with approved shade ACP. The false ceiling shall be provided combination with gypsum in different levels and the rate shall be inclusive of providing framework, adequate supports using 50mmx25mm aluminium extrusions (both ways not more than 600mm c/c) with necessary countersunk heavy duty screws, hardware and adhesives etc; Teakwood edge beadings to be provided as directed.(Basic cost of ACP is Rs.1450/Sqm)</p>	<b>Sqm</b>		<b>190</b>		<b>190</b>		
<b>4.13</b>	<p><b>FALSE CEILING WITH BISON BOARD.</b></p> <p>Providing and fixing Bison cement particle board Board 8mm thick with 600x600 mm grid system using ' Daiken' make regular frame of suspended grid system with galvanized steel 'T' section frame work of hot dipped galvanized steel pre-coated (exposed portion only), which includes flush fitting 1200mm long cross tees to be interlocked between main runners at 600mm centers to form 1200x600mm modules. Cut cross tees longer that 600mm to be supported independently. 600x600mm modules to be formed by fitting 600mm long flush fitting cross tees centrally between the 1200mm cross tees. Rate shall be inclusive of applying two coates of plastic emulsion paint to the particle board tiles as per manufacturer specification.</p>	<b>Sqm</b>		<b>5</b>		<b>5</b>		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
4.14	Providing and fixing decorative <b>moulding / cornices</b> at false ceiling level made to shape and profile by using II quality, seasoned, well grained, termite treated, teak wood as per the design shown in drawing no..but in general the size of decorative moulding shall be as below. The rate shall include wastage, cutting to shape and profile, preparation of surface to receive the finish, melamine polish as per manufacturers specification etc. complete as directed.Rate to include scaffolding arrangement. Rate quoted shall be for the complete finished work including all the materials and labour mentioned above.							
a	a)75 x 50 mm	RM		5		5		
b	b)50 x 50 mm	RM		5		5		
	<b>Total Summary of false ceiling works</b>							
<b>5</b>	<b>INTERNAL PAINT FINISHES</b>							
5.01	Providing and applying two coats of "Oikos" Raffaello Madreperlato(RMP) texture paint of approved color including a base coat paint, application of IL primer, application of full POP putty etc to get the required smooth finish. Rate also to include necessary surface preparation, application of protection layer of Cera per raffaello all as per Manufacturer specifications and as directed. Rate to including staging arrangement (for walls as indicated in the Finishes Plan)	Sqm	5			5		
5.02	Wall painting with plastic emulsion paint of approved brand and manufacture. Rate inclusive of one coat of cement based primer, two coats of plaster of paris putty to give an even shade and Painting two coats with ready mixed Plastic Emulsion Paint S.I.358:	Sqm	150		300	450		
5.03	Wall painting with acrylic distemper paint of approved brand and manufacture. Rate inclusive of one coat of cement based primer, two coats of plaster of paris putty to give an even shade and Painting two coats with ready mixed Acrylic Distemper paint:	Sqm	25			25		
5.04	Providing two coats of <b>Enamel paint</b> to wooden/ M.S Grills of approved colour over a coat primer including preparation of surface by thorough cleaning as per manufacturer's specification fully to give an even shade .	Sqm		20		20		
	<b>Total Summary of painting works</b>							
<b>6</b>	<b>FLOORING WORKS</b>							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
6.01	Providing and laying of <b>Imported Interface</b> make 100% Optimum SD Nylon Tufted, <b>Textured Loop Pile carpet</b> tiles of 20 oz/ sq.yd of size 500 x 500mm permanent static control solution dyed, pile height 0.118 inches with synthetic non-woven Glasbac backing of Vinyl cushion with glass reinforcement including colorfastness > or = 4 after 100 hours, moth proof, stain resistant etc. complete, over existing flooring as per Manufacturer's specification.The rate shall be inclusive of the Glasbac vinyl cushion backing for entire area to be covered by carpet. ,antistatic, moisture barrier, etc. complete, The rate shall be inclusive of providing and laying protective plastic sheets over the laid area of carpets till the area is fully handed over and application of vacuum cleaners before handing over and also water extraction cleaning for stained areas. (basic cost Rs.125/Sq.ft)	Sqm	220			220		
6.02	Providing and laying granite stone flooring in single size or in combination of different sizes as per approved pattern/ drawings with specified mirror polished granite of Steel grey/Jet black/lakh red/icon brown/safire/paradize or approved colour, shade and texture with cement slurry spread at the rate of 4.4 kg of cement per sqm over an average thickness of 20mm cement mortar 1:4 (1cement : 4 coarse sand) including finishing the joint with Laticrete or Araldite joint filler or approved equivalent joint filler of approved shade etc. all complete as per Particular Specification and as directed by Employer / Architect.							
a	18mm thick Granite stone slab of "Pari white" colour	Sqm	75			75		
b	18mm thick Granite stone slab of combination of "Pari white, Red multi and Steel grey colours"	Sqm	45			45		
6.03	Extra for providing edge moulding to 18mm thick granite in locations such as counters, floorings, jambs, sills, vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Employer / Architect.	RM	5			5		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
6.04	Providing and laying vitrified tile flooring with specified vitrified tile ( thickness to be specified by the manufacturer ) with cement slurry spread at the rate of 4.4 kg of cement per sqm over 20mm average thickness of cement mortar 1:4 (1cement : 4 coarse sand) and pointing with Laticrete joint filler compound or approved equivalent , to matching shade etc. all complete as per Particular Specification and as directed by Employer / Architect.	Sqm	520			520		
	Vitrified tiles of nominal size 1200mmx600mm, matt finish, RAK -SIENNA white shade or approved make .							
6.05	Providing flooring with Premium quality RAK or approved make Anti skid VCT 14mm thick 600x600(for Toilet) floor tiles (seamless)confirming to ISO 13006/EN 176 Group Bla with tech.specification as Mohs scratch hardness greater than 6,Water Absorption of 0.06%, Modulus of Rupture greater than 27 N/mm, Deep Abrasion resistant less than 204 mm cube, Surface flatness, Straightness of sides $\pm 0.25\%$ , thickness $\pm 5\%$ of size of approved colour and size & thick as specified below, set in C.M.1:4 and pointing with 'Roff' compound of to matching colour shade as per Manufacturer's Specification and as directed. Rate shall include wastages, for preparation of base surface, cleaning, acid wash, and finished surface, protection with Gypsum / Pop layer over Plastic sheet and removing the same before handing over,work at all levels and as directed.Rate shall be inclusive of forming pattern as shown in dwg and wastages etc; complete. Size of tiles shall be 600mmx600mm.basic cost of VCT shall be Rs.110/Sqm	Sqm	10			10		
6.06	Providing and laying in panels not more than 20 sqm. in plan granolithic flooring with cement concrete 1:1.5:3 by using coarse graded aggregate of 6 to 12 mm size laid monolithic with floor concrete and finished smooth with power trowel including preparation of concrete surface and form work. The screed shall be laid for effective separation of panels not exceeding 20 sqm. in plan etc. complete as per Specifications and as directed. Unevenness in floor finish shall not exceed $\pm 2$ mm in one square metre area. Rate to include lead , lift at all levels, pumping, placing, necessary formwork, curing etc., complete							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
a	Average 50 mm thick.	Sqm	750			750		
b	Average 40 mm thick.	Sqm	120			120		
6.07a	Providing <b>dadoing</b> with machine cut and machine high pre-polished best quality approved colour <b>granite slab of thickness not less than 20mm of size 1200x600 / 900x600 mm</b> , set in Laticrete adhesive L 290 or equivalent, thickness not less than 9mm including pointing with matching colour of Latapoxy SP100 and fixing with stainless steel clamps 6mm dia.and 100 mm long welded with 40 mm and 25 mm long pieces at two ends to right angle, the former with horizontal position to be embedded in brick wall/concrete surface and the later with vertical position to be inserted and caulked in to the holes of the slab, drilled for the purpose, both forming 'T' shape and cement grouted including edge polishing wherever required and forming groove at joints as directed at all levels.	Sqm		2		2		
	Rate shall include for preparation of base surface, cleaning, chamfering, edge polishing, with tin-oxide / high gloss factory polish, provision of 'V' shaped notch cuts along the horizontal and vertical joints of specified size as detailed in the drawing protection with Gypsum/POP layer over plastic sheet etc. (basic cost of granite Rs.1800/Sqm) complete, as directed.( Lift Lobby, Corridor )							
b	Same as above specification but instead of polished granite providing flamed granite	Sqm		100		100		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
6.08a	Providing and fixing <b>granite Cladding slab of thickness not less than 25 mm size</b> of colour as specified below, and as per approved sample of size not less than 900x600 / 1200x600 mm or approved size, using <b>dry fixing method</b> . Each granite slab is to be individually supported using 4 Nos. of stainless steel clamps, screws & bolts are 316 'L' grade two each at top and bottom. Each SS clamp will be of size 75 x 50 x 5 mm thickness as shown in drawing and as directed. Each SS clamp will be fixed to the wall using two numbers of MS oxidized non-corrosive expansion anchor fasteners of size 10 mm head, 6 mm dia. and 100 mm length for masonry work , 10 mm head, 6 mm dia. and 50 mm length for RCC areas. Each granite slab will have two SS clamps at the bottom with the lipping of 12 mm height embedded in the groove cut in the granite, the groove depth being 20 mm and width being 6mm.	Sqm		700		700		
	Each slab will also have similar 2 clamps at the top, balance gaps in the grooves will be filled with metal paste. There will be no gaps seen between the granite slabs in elevation. Any corner or junction slab which may be of smaller size should also be supported similarly. It has to be ensured that the slabs are perfectly vertical and in plumb. The gaps between the granite slabs is to be filled with water proof cement paste GRIPFIX (CICO, powder and liquid mix) as per manufacturer specifications, using matching colour pigments depending on the slabs. The gaps on the top and sides of the granite fixing will have to be closed using coping slabs to prevent water from coming in. Rate shall include for fabrication and fixing of SS clamps, anchor fasteners, supplying and fixing 'M-seal', water proofing compound, groove cutting in granite and double scaffolding to the required heights, wastages etc; complete and all directed. <b>for lift lobby.</b>							
b	Same as above specification but instead of polished granite providing flamed granite	Sqm		100		100		

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
6.09	Providing and fixing of <b>dadoing with Premium quality RAK</b> or approved equivalent make <b>vitriified glazed</b> tiles (seamless) confirming to ISO 13006/EN 176 Group Bla with tech.specification as Mohs scratch hardness greater than 6,Water Absorption of 0.06%, Modulus of Rupture greater than 27 N/mm, Deep Abrasion resistant less than 204 mm cube, Surface flatness, Straightness of sides $\pm 0.25\%$ , thickness $\pm 5\%$ of size of approved colour and size & 9mm thick as specified below, set in C.M.1:4 and pointing with 'Roff' compound of to matching colour shade as per Manufacturer's Specification and as directed. Rate shall include wastages, for preparation of base surface, cleaning, acid wash, and finished surface, work at all levels and as directed. Rate shall be inclusive of forming pattern as shown in dwg and wastages etc; complete. Size of tiles shall be 600mmx600mmx9mm thick or as directed.(basic cost Rs.800/Sqm)	Sqm	75			75		
6.10	Providing and fixing 100mm ht. 20 mm thick pre-polished <b>granite slab in skirting</b> including cutting groove in wall, grouting with cement mortar, pointing joints with colored cement, cleaning, etc. complete. (Basic rate Rest. 160/Sft )	RM	4000			4000		
6.11	Providing and fixing <b>Access floor systems of Unitile® USF-800 or approved equivalent</b> make all as per following specifications confirming to PSA MOB - PF2 PS/SPU or NFPA 262 standards.							
	<b>System</b> : Access floor system to be installed shall provide a maximum finished floor height of 600mm from the existing floor level. The system shall provide for suitable pedestal and under-structure designed to withstand various static loads and rolling loads subjected to it in an office / server / DCS / panel / rack area. The entire Access floor system shall provide for adequate fire resistance, acoustic barrier and air leakage resistance.							
	<b>The panel is then laminated with 1.5 mm thick fire retardant</b> floor grade antistatic laminate/pvc on a semi -automated lamination line to ensure maximum bonding to the steel surface. The edges of the laminated/PVC are protected with black PVC edge trim 5mm wide on all sides. This edge trim is mechanically locked and sealed in place to avoid detachment							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
	<b>Pedestals</b> : Pedestal installed to support the panel shall be suitable to achieve a finished floor height of 75 to 600mm. Pedestal design shall confirm speedy assembly and removal for relocation and maintenance. Pedestal base to be permanently secured to position on the sub floor. Pedestal assembly shall provide for easy adjustment of leveling and accurately align panels to ensure lateral restraint. Pedestals shall support an axial load of 2000 Kgs, without permanent deflection and an ultimate load of 3500 Kgs. Pedestal head shall be designed to avoid any rattle or squeaks.							
	<b>Pedestal Assembly</b> : Consisting of 100 x 100 x 2mm thick galvanized epoxy polyester coated MS Base plate die-pressed orbitally riveted to a 21mm O.D. 2.5mm thick epoxy coated MS pipe to engage the pedestal head assembly. The pedestal head assembly consists of an embossed steel plate having 4 holes with ¼ th tapping for fastening and locating of tile ; orbit ally riveted to a corresponding threaded stud 16mmdia. (O.D), length 100mm which is designed to engage the pedestal base assembly. The assembly shall provide a range of height adjustment up to 25mm, with the help of check nuts.							
	<b>Understructure</b> : Understructure system consists of stringers of size 570 x 32x 20 x 1.5mm to form a grid of 600 x 600mm. These stringers are locked into the pedestal head and run both ways. The US system shall provide adequate solid, rigid and quiet support for access floor panels. The US system shall provide a minimum clear, uninterrupted height of 550 mm between the bottom of the floor and bottom of the access floor for electrical conducting and wiring.							
	<b>Stringers</b> : Stringer system is all steel construction, rectangular channels 30 x 20 x 1.6mm thick with pre-punched counter sunk holes at both ends for securing the stringers onto the pedestal head ensuring maximum lateral stability in all directions. The grid formed by the pedestal and stringer assembly shall receive the floor panel.							

S.No	Description	Unit	Quantity			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comm area	IBMS			
	<p><b>Panel Loading:</b> The panel dimensions and performance must confirm with PSA MOB - PF2 PS/SPU standards for a heavy duty panel and must comply with the, Concentrated Point Load : 360 kgs on a 25 x 25 mm square on the centre of the panel with a maximum permissible deflecting of not more than 2.5mm &amp; Uniformly Distributed Load (UDL): 1080 kg/M2 with a maximum permissible deflection of not more than 2.0mm.</p> <p><b>Fire Rating :</b> The Panels shall confirm to Class O &amp; Class 1 Fire Ratings tested as per BS 476 Part 6 &amp; 7</p>							-
	Rate shall include to produce a test certificate for the above load of approved laboratory, preparation of surface, cutting for supply/return Air Grills and for Grommet of required size, wastages, lead & lift, grouting the system with anchor fastener, removing all debris from the premises etc. complete, as directed and for providing <b>class O Armaflex Nitrile rubber of 15mm thick as a subfloor insulation with SSR 98 adhesives</b> to the entire area of existing (Below false flooring) as per manufacturer's specification. Rate shall inclusive of providing ramp in false flooring in the entry as shown in drawing.(For NOC)	Sqm			350	350		
	<b>Total Summary of Flooring and dadoing works</b>							
	<b>Grand Total</b>							

**Note:**

- 1 The above mentioned Quantity is indicative, and actual measurement shall be taken by the successful vendor and order should be placed accordingly for production.
- 2 Rate to include cost of transportation ,handling, mockup, and if any replacement Etc

<b>TIDEL PARK COIMBATORE LTD ( A JV OF TIDCO, ELCOT, TIDEL &amp; STPI )</b>		
<b>BUILDING COMPLEX OF INFORMATION TECHNOLOGY PARK AT VILANKURICHI (SEZ AREA), COIMBATORE</b>		
<b>B. SUMMARY OF MODULAR FURNITURE WORKS</b>		
S.NO	DESCRIPTION	AMOUNT (in INR)
1	Table/Workstations	
2	Chairs	
	<b>GRAND TOTAL in Rs. (1+2)</b>	

SIGNATURE OF TENDERERS

TIDEL PARK COIMBATORE LTD ( A JV OF TIDCO, ELCOT, TIDEL & STPI )								
BUILDING COMPLEX OF INFORMATION TECHNOLOGY PARK AT VILANKURICHI (SEZ AREA), COIMBATORE								
BILLS OF QUANTITIES FOR INTERIOR WORKS AT TIDEL OFFICE AND COMMON AREAS.								
S.No	Description	Unit	Quantities			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comn area	IBMS			
<b>B</b>	<b>MODULAR FURNITURE WORKS</b>							
	Approved make: Featherlite/ Fuego/ bp ergo. NOTE: TPCL reserves the right to select any of the make specified above.							
<b>1</b>	<b>Desk/Table</b>							
<b>1.01</b>	<b>Single Person Desk module</b> , Size of the module shall be 1500 X 1350mm table as per drawing and consisting of the following  a) 600mm width work top shall be of 25mm thick exterior grade prelaminated particle board of approved shade as shown in drawing. The edge of the top shall be covered with 3mm thick PVC edge band matching to the table top laminate. The top supported by 5nos of metallic legs of approved color.	<b>Each</b>	<b>Qro</b>			-		
	b) Providing and fixing of 1 No. powdercoated metal Key board tray of size 530W x 350D x 40mm H with telescopic drawer slides. c) Providing and fixing of 1 No. powder coated CPU trolley made of CRC steel. d) Proving 2nos of metal raceways for UPS / Raw Power and Data / Telephone. one No. shall be provided beneath the work top and the other one shall be at floor skirting level.					-		

S.No	Description	Unit	Quantities			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comn area	IBMS			
	e) One side wood screen partition shall be made of aluminium frame with approved colour powder coating, panel covered with approved color laminated board with combination of white board and soft board is finished with fabric of approved shade and make all as per drg,. Partition side facing outside to the corridor of workstation to be of pre laminated boards/fabric. The thickness of partition shall be 60mm as per drawing and the height shall be of upto 1250mm, and other side glass partition shall be made of aluminium frame, Bottom panel covered with laminate finish/metal sheet/soft board with upholsteries up to 880mm form floor level. Top panel covered with silk screened glass (Translucent frit simulated sandblast). The partitions shall have level adjusting arrangement.					-		
	f) The end trims, top runners shall be aluminium powder coated and sharp corners should be avoided. G) providing mobile pedestal of size 500x550mm and height 650mm with three drawers. Made up of all CRC sheet with powder coated finish of approved shade.					-		
a	Same as above but for officers cubicle work table 1500x600mm, Side unit 1200x450mm and side partitions etc. cubicle size 3000x2700mm all as per drawing	Each	6			6		-
b	Same as above but for officers cubicle work table 1800x750mm, Side unit 1350x450mm and 2 sides partitions etc.all as per drawing	Each	10			10		

S.No	Description	Unit	Quantities			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comn area	IBMS			
1.02a	Supplying and assembling of <b>manager cabin table</b> of specified size made to shape and design, but in general the table top shall be made of 25 mm thick exterior grade prelaminated particle board of approved shade, with adequate CRC metal supports in criss-cross manner (Supporting system shall be approved by client/Architect before production), Rate shall be inclusive of PVC edge band at all exposed edge of PLB board, necessary hardware's etc. Rate shall be inclusive of providing mobile pedestal with three drawers as per drg. and other side storages as per drg. detail, 50mm dia wire manager, locks, 100mm SS handle, metal drawer slides, hinges and necessary hardware's etc., complete. The size of the table shall be 1800x750mm width+side unit of size 1350x450mm and rear side storage 3nos 900x450 and height 1200mm selves as per drawing.	Each	6		1	7		
b	For MD's PA table size 1500x600mm and side unit 1800x450mm	Each	1			1		
1.03	Making and supplying of <b>printer table</b> , in general it shall be made up of 18mm thick exterior grade prelaminated board for all horizontals and verticals as per drawing. All the exposed edges of the prelam boards are covered with PVC edge band. Providing below table top shutter and one shelves with necessary hardware like hinges, lock, tower bolt and screws etc. size 1000x750mm and height 750mm.	Each	2		5	7		

S.No	Description	Unit	Quantities			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comn area	IBMS			
1.04	Supplying and assembling of <b>Meeting Room table</b> of specified size made to shape and design, but in general the table top shall be made of 25 mm thick exterior grade pre-laminated particle board of approved shade, with adequate CRC metal supports in crises-cross manner (Supporting system shall be approved by client/Architect before starting the production), Rate shall be inclusive of PVC edge band at all exposed edges of PLBs, cable raceway, necessary hardware's including making provision for fixng of POP-up boxes etc., complete. The bottom support structure shall have openable arrangement for the purpose of easy cable management.					-		
i	<b>a) Size 1500x4200mm and 750mm height</b>	Each	1			1		
ii	<b>b) Size 1200mm dia</b>	Each	2			2		
1.05	Supplying and installation of <b>dining table</b> . Top to be with 19mm thick BWR ply with 1.5mm thick laminate of approved color and edges shall be finished with teak wood molded beading finished with Duco paint of approved color. Supporting frames to be made with 25mmx25mm and 50mmx25mm SS tumbler pipe for leg and cross brazing as per drawing details, (Grade of SS shall be 316) Tables to have a warranty for one year. Basic cost of laminate is Rs.450/Sqm.					-		
i	<b>a) Staff dinning table circular table of size 1200mm dia and height 750mm</b>	Each	3			3		
ii	<b>Same as above specification but the size of the table shall be 1800x900mm(Café)</b>	Each	114			114		
iii	<b>d) same specification for running counter of size 6900x600mm and height of 1100mm (one side sitting)</b>	RM	qro			-		

S.No	Description	Unit	Quantities			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comn area	IBMS			
1.06a	Supplying and assembling of modular <b>running counters for reading</b> , 600mm wide and 750mm high , providing table top shall be made of 25mm prelam board of exterior grade with 1 mm thick postformed laminate of approved shade and the exposed edges are covered with PVC Edge Band, the table top is supported by adequate CRC metal supports in criss-cross manner (Supporting system shall be approved by client/Architect before starting the production), the supports and wire manager shall be given at every 1200mm c/c and below listed accessories with necessary hardware's etc.	RM	10			10		
	<p><b>b)</b> Providing and fixing of 1 No. powdercoated metal Key board tray of size 530W x 350D x 40mm H with telescopic drawer slides.</p> <p><b>c)</b> Providing and fixing of 1 No. powder coated CPU trolley made of CRC steel.</p> <p><b>d)</b> Proving 2nos of metal raceways for UPS / Raw Power and Data / Telephone. one No. shall be provided beneath the work top and the other one shall be at floor skirting level.</p> <p><b>g)</b> providing mobile pedestal of size 500x550mm and height 650mm with three drawers. Made up of all CRC sheet with powder coated finish of approved shade.</p>					-		
<b>b</b>	<b>Specification same as above but the table shall be in curved shape and width of the table shall be 1000mm x750mm height</b>	RM			8	8		

S.No	Description	Unit	Quantities			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comn area	IBMS			
1.07	Providing and fixing <b>storage</b> of size mentioned below and depth 450mm as per drawing, but in general it shall be made of 19mm thick exterior grade pre-laminated board of approved shade for all sides and required nos of shelves as shown. The cupboard shutter shall have required number of auto closing hinges, tower bolt, SS handle, Locks and necessary hardware etc. The exposed edges of boards shall be covered with PVC edge band as directed.					-		-
	a) Height of the storage shall be 750mm	RM	5			5		-
	b) Height of the storage shall be 1200mm	RM	25			25		-
	c) Height of the storage shall be 2100mm	RM	5			5		-
1.08	Providing and fixing <b>side / centre table</b> shape and pattern as per Approved model, the top provided with 12 mm thick tinted etched glass with beveled edge to the specified shape and size.					-		-
i	a)600x450mm	Each	4			4		
ii	c)1400x750mm	Each	2			2		
	<b>Sub Total of furniture</b>							
<b>2</b>	<b>CHAIRS</b>					-		
2.01	Supply and delivery of Chairs of approved make and color <b>chairs</b> which will meet all of the technical specifications and features listed below of approved make.					-		
	<b>Approved make: Featherlite/ Merryfair/ bp ergo. NOTE: TPCL reserves the right to select any of the make specified above.</b>							

S.No	Description	Unit	Quantities			Total Quantity	Rate (in Rs.)	Amount (in Rs.)
			Tidel office	Comn area	IBMS			
	<p><b>i) Seat:-</b> Fabric covered Moulded polyurethane foam together with Moulded ABS seat with revolving.</p> <p><b>ii)Back:-</b>Nylon mesh with MS powder coated pipe frame work and extra adjustable lumber support.</p> <p><b>iii)Tilting:-</b>Synchronized tilting mechanism with revolving and multiple locking .</p> <p><b>iv)Armrests :-</b> The armrests are to be scratch and weather resistant with swivel &amp; death adjustable arm pad &amp; option of PVC pad.</p> <p><b>v)Lifting:-</b>Gaslift provision to be provided.</p> <p><b>iv)Base:-</b>Nylon base with 5nos of wheel pedestal should be provided as directed</p>					-		
i	<b>Medium back chair for Workstation(staff) visitor &amp; discussion</b>	Each	34			34		
ii	<b>Medium back chair for officer &amp; manager visitor</b>	Each	18			18		
iii	<b>Medium back chair for Meeting room, managers &amp; recption</b>	Each	21			21		
iv	<b>High back chair for conference room and floor manager</b>	Each	56			56		
v	<b>High back chair for MD room</b>	Each	1			1		
vi	<b>High back chair for MD visiter</b>	Each	10			10		
2.02	Supply and delivery of approved color reading <b>chairs</b> which will meet all of the technical specifications and features listed below of approved make.					-		
	<p><b>i) Seat:-</b> Rigid PVC Moulded.</p> <p><b>ii)Back:-</b>Rigid PVC Moulded.</p> <p><b>iii)SS tubular pipe frame work as per approved design.</b>  <b>(all reading chairs, internet, multimedia, digital)</b></p>					-		-
i	Same as above but for <b>dinning chair</b>	Each	702			702		
ii	Supplying of raised stools, made up of <b>SS frame work with rigid PVC seat, Revolving etc.</b> all as per approved model,	Each	Qro			-		

S.No	Description	Unit	Quantities			Total Quantity	Rate (in Rs.)	Amount (in Rs.)	
			Tidel office	Comn area	IBMS				
<b>2.03</b>	Medium end model sofa (made-up of MM Foam with Fabric finish of approved shade and model. Basic cost of fabric shall be Rs. 450/ m) for reception waiting and corporate office waiting					-			
	1 seater	Each	4			4			
	2 seater	Each	4			4			
	3 seater	Each	2			2			
<b>2.04</b>	Making and supplying of class room chair with writing pad and bag rack at below the seat.	Each	158			158			
	<b>Sub Total of Chairs</b>								
<b>Note:</b>									
1	The tables/ workstations for all locations/ rooms shall be resized (if required) individually based on the available site dimensions at no additional cost.								
2	The above mentioned Quantity is indicative, and actual measurement shall be taken by the successful vendor and order should be placed accordingly for production.								
3	Rate to include cost of transportation ,handling ,replacement etc;								
4	Prototype if required shall be executed free of cost.								
5	Unless otherwise specified table /storage top will be postformed								
6	Necessary mock ups shall be shown by the vendor prior to award of the package at no additional cost to client.								

**( C ) INTERIOR  
ELECTRIFICATION  
WORKS**

TIDEL PARK COIMBATORE LTD ( A JV OF TIDCO, ELCOT, TIDEL & STPI )											
BUILDING COMPLEX OF INFORMATION TECHNOLOGY PARK AT VILANKURICHI (SEZ AREA), COIMBATORE											
ABSTRACT BILLS OF QUANTITIES (BOQ) - COST ESTIMATE											
NAME OF WORK: I . FOR PROVIDING INTERNAL ELECTRIFICATION WORKS											
Sl. No.	DESCRIPTION OF QUANTITES	Unit	QUANTITY			TOTAL QUANTITY	Unit Rate in Rs.		Amount in Rs.		Total in Rs.
			FIRST FLOOR(TIDEL OFFICE)	COMMON AREA	IBMS ROOM		SUPPLY	ERECTION	SUPPLY	ERECTION	
	<b>INTERNAL ELECTRIFICATION WORKS</b>										
1	Supply, fixing, testing and commissioning of the double door type compartmental indoor type MCB DB comprising of the following :(LDB)-meeting IP-P42					-					
	63 A TPN MCCB – 1 No. as incomer.					-					
	63 A DP MCB with 30 mA ELCB – 3 Nos. as outgoing.					-					
	Outgoing of each phase shall consist of 12 Nos of 10A SP MCB 10KA in a separate compartment with necessary phase segregation as required by the Electrical Inspectorate.	Nos.	1	-	-	1					
2	Supply, fixing, testing and commissioning of the double door type compartmental indoor type MCB DB comprising of the following :(PDB)					-					
	63 A TPN MCCB – 1 No. as incomer.					-					
	63 A DP MCB with 30 mA ELCB – 3 Nos. as outgoing.					-					
	Outgoing of each phase shall consist of 12 Nos of 16/20A SP MCB 10KA in a separate compartment with necessary phase segregation as required by the Electrical Inspectorate.	Nos.	1	-	-	1					
3	Supply, fixing, testing and commissioning of the double door type compartmental MCB DB comprising of the following :					-					
	40 A DP( NEUTRAL SHALL BE 2N ) MCB 10KA - 1 No. as incomer.					-					
	6/10A SPMCB 10KA - 4 Nos. as outgoing.					-					
	With necessary tinned Aluminium busbars, interconnections, separate earth, separate neutral for each outgoing. The board shall be powder coated type fixed with concealed system in wall.					-					
	The rate shall include necessary connected civil works like chipping, rough plastering etc.	Nos.	QRO	-	-	-					
4	Supply, fixing, testing and commissioning of the double door type compartmental MCB DB comprising of the following :					-					
	63 A TP MCCB – 1 No. as incomer.					-					
	63 A DP MCB with 30 mA ELCB – 3 Nos. as outgoing.					-					

Sl. No.	DESCRIPTION OF QUANTITES	Unit	QUANTITY			TOTAL QUANTITY	Unit Rate in Rs.		Amount in Rs.		Total in Rs.
			FIRST FLOOR(TIDEL OFFICE)	COMMON AREA	IBMS ROOM		SUPPLY	ERECTION	SUPPLY	ERECTION	
	EOutgoing of each phase shall consist of 6 Nos of 20A 10 KA SPMCB (D CURVE) in a separate compartment with necessary phase segregation as required by the Electrical Inspectorate.			-		-					
	With necessary tinned copper busbars, interconnections, separate earth bus, separate neutral bus for each phases. The board shall be powder coated type fixed with concealed system in wall. The rate shall include necessary connected civil works link chipping, rough plastering etc.			-		-					
	All the neutral shall be same the rating of the phase busbar.			-		-					
	<b>ELDB</b>	EACH	1	-		1					
5	Supply, fixing, testing and commissioning of the double door type compartmental MCB DB comprising of the following :			-		-					
	63 A TP+2N MCCB – 1 No. as incomer.			-		-					
	63 A DP+2N with 'D' Curve MCB – 3 Nos. as outgoing.			-		-					
	Each 63 A SP+2N outgoing consist of 12 Nos of 16/20A 10 KA SPMCB(D-CURVE) in a separate compartment with necessary phase segregation as required by the Electrical Inspectorate.			-		-					
	With necessary tinned copper busbars, interconnections, separate earth bus, separate neutral bus for each phases. The board shall be powder coated type fixed with concealed system in wall. The rate shall include necessary connected civil works link chipping, rough plastering etc.			-		-					
	All the neutral shall be double the rating of the phase busbar.			-		-					
	<b>UPS DB</b>	Each	2	-	-	2					
	<b>WIRING AND CONNECTED ACCESSORIES:</b>		-	-	-	-					
	<b>SCOPE OF INTERNAL ELECTRIFICATION AREA( Supply, fixing, testing and commissioning of the lighting luminaries &amp; power sockets including wiring points) FOR THE FOLLOWING:</b>			-		-					
a	<b>Ground floor:</b>			-		-					
i	IBMS Room			-		-					
ii	Food court area (non false ceiling area)			-		-					
b	<b>First floor:</b>			-		-					
i	Tidel Office			-		-					
c	<b>Supply, fixing, testing and commissioning of the lighting luminaries FOR THE FOLLOWING:</b>			-		-					
i	Lift lobby for Basement 1,2,3 and from gf,1st floor to 4th floors as shown in drawings			-		-					
ii	Ground floor remaining area(excluding IBMS room and FOOD COURT) as shown in drawing.			-		-					

Sl. No.	DESCRIPTION OF QUANTITES	Unit	QUANTITY			TOTAL QUANTITY	Unit Rate in Rs.		Amount in Rs.		Total in Rs.
			FIRST FLOOR(TIDEL OFFICE)	COMMON AREA	IBMS ROOM		SUPPLY	ERECTION	SUPPLY	ERECTION	
6	Wiring to the light points/ 6A plug point using 2 Runs of 2.5 Sqmm and 1 Run of 1.5 sqmm multi stand FRLS-PVC insulated copper conductor in suitable size MS pipe in open system in above false ceiling and concealed system in below false ceiling. The rate should inclusive of supply and fixing of 6 A modular type switch in a suitable size modular box in concealed system including wiring upto the light fittings in GI flexible hose.		-	-	-	-					
	Note : ALL POINT WIRING SHALL INCLUDE COST OF CIRCUIT MAINS. NO EXTRA PAYMENT WILL BE MADE FOR THE SAME. The wires to be used for circuit main shall be 3 runs of 2.5 sq . FRLS-PVC insulated , multistrand cu. Wire laid as mentioned above.		-	-	-	-					
a)	1 Light controlled by 1 switch	Pt.	3	5.00	-	8					
b)	2 light controlled by 1 switch (1 Set = 2 lights)	Set	25	20.00	8	53					
c)	3 light controlled by 1 switch (1 set = 3 lights)	Set	12	5.00	45	62					
d)	4 light controlled by 1 switch (1 set = 4 lights)	Set	-	-	17	17					
e)	5 light controlled by 1 switch (1 set = 5 light)	Set	7	-	20	27					
f)	6 light controlled by 1 switch (1 set = 6 light)	Set	18	-	52	70					
g)	6A socket controlled by 1 switch	Pt.	7	5.00	15	27					
h)	Stair case light points (Dual Control)	Pt.	-	-	2	2					
7	Wiring to the emergency light points using 2 Runs of 2.5 Sqmm and 1 Run of 1.5 sqmm multi stand PVC insulated copper conductor (FRLS) in suitable size MS pipe in open system in above false ceiling and concealed system in below false ceiling. The rate should inclusive of supply and fixing of 6 A modular type switch in a suitable size modular box in concealed system including wiring upto the light fittings in GI flexible hose.( maximum 6 emergency light points shall be controlled by ONE MCB )	Mtr.	2	5.00	2000	2,007					
8a	Wiring to the exhaust fan points using 2 Runs of 2.5 sqmm and 1 Run of 1.5 sqmm multi strand PVC insulated copper conductor (FRLS) in suitable size MS pipe in open system in above false ceiling and concealed system in below false ceiling on wall/column etc.The rate should inclusive of supply and fixing of 6 A modular type switch in a suitable size modular box etc.	Pt.	2	-	-	2					
8b	Wiring to the ceiling fan points using 2 Runs of 2.5 sqmm and 1 Run of 1.5 sqmm multi strand PVC insulated copper conductor (FRLS) in suitable size MS pipe in open system in above false ceiling and concealed system in below false ceiling on wall/column etc.The rate should inclusive of supply and fixing of 6 A modular type switch and step type electronic fan regulator - in a suitable size modular box etc.	Pt.	2	-	-	2					

Sl. No.	DESCRIPTION OF QUANTITES	Unit	QUANTITY			TOTAL QUANTITY	Unit Rate in Rs.		Amount in Rs.		Total in Rs.
			FIRST FLOOR(TIDEL OFFICE)	COMMON AREA	IBMS ROOM		SUPPLY	ERECTION	SUPPLY	ERECTION	
9	Wiring to the 6/16A 5 Pin Raw power socket (Flat type/Round type) using 2 Runs of 4 sqmm and 1 Run of 2.5 sqmm multi stand PVC insulated copper conductor (FRLS) in suitable size MS pipe in open system above false ceiling and concealed system in below false ceiling in wall / column etc. including minor civil works such as chippingRough Plastering to match with the original surface. <b>The rate shall be inclusive of Supply, fixing, testing and commissioning of 6/16A (Flat type/Round Type) 5 Pin / 3pin Raw Power Socket and switch combination in a suitable size modular box in recessed system. (6/16A socket controlled by 1 Switch)</b>	Pt.	10		30						
				20.00		60					
10	Wiring to the 20A DP MCB with 3 Pin metal clad industrial socket (Flat type/Round type) using 2 Runs of 4 sqmm and 1 Run of 2.5 sqmm multi stand PVC insulated copper conductor (FRLS) in suitable size MS pipe in open system above false ceiling and concealed system in below false ceiling in wall / column etc. including minor civil works such as chippingRough Plastering to match with the original surface. The rate shall inclusive of Design, supply and fixing of 20A 3 pin metal clad socket controlled by 20A DPMCB in a suitable size MS enclosure fixed in open/recessed system. Powder coat paint finish is recommended, if the box is to be mounted as surface mounted.	Pt.	2		16						
				5.00		23					
11	Wiring to the 20A , 4/5 Pin, 3phase , metal clad industrial socket (Flat type/Round type) using 4Runs of 4 sqmm and 1 Run of 2.5 sqmm multi stand PVC insulated copper conductor (FRLS) in suitable size MS pipe in open system above false ceiling and concealed system in below false ceiling in wall / column etc. including minor civil works such as chippingRough Plastering to match with the original surface. The rate shall inclusive of Design, supply and fixing of 20A ,4 or 5 pin metal clad industrial socket controlled by 20A ,TPN, MCB in a suitable size MS enclosure fixed in open/recessed system.	Pt.	-		9						
				5.00		14					
12i)	Wiring to the 3 Nos. of 6/16Amps socket controlled by individual 16A switch( for UPS) plug point using 2 Runs of 2.5 sq.mm and 1 Run of 1.5 sqmm multi stand PVC insulated copper conductor(green colour for earth) (FRLS) in a suitable size PVC pipe in open system at above false ceiling and concealed system in below false ceiling in wall / column etc. The rate shall inclusive of Supply, fixing, testing and commissioning of 3 Nos. of 6/16Amps socket controlled by individual 16A switch( for UPS) in a suitable size modular box in recessed system.	Pt.	24		60						
				5.00		89					
12ii)	Wiring to the 1 No. 6/16A socket controlled by 16 A Switch(for raw power) plug point using 2 Runs of 2.5 sq.mm and 1 Run of 1.5 sqmm multi stand PVC insulated copper conductor(green colour for earth) (FRLS) in a suitable size PVC pipe in open system at above false ceiling and concealed system in below false ceiling in wall / column etc. The rate shall inclusive of Supply, fixing, testing and commissioning of 1 No. 6/16A socket controlled by 16 A Switch(for raw power) in a suitable size modular box in recessed system.	Pt.	24		60						
				5.00		89					

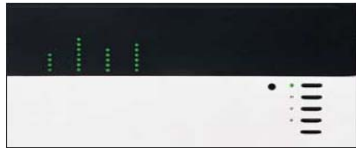

Sl. No.	DESCRIPTION OF QUANTITES	Unit	QUANTITY			TOTAL QUANTITY	Unit Rate in Rs.		Amount in Rs.		Total in Rs.
			FIRST FLOOR(TIDEL OFFICE)	COMMON AREA	IBMS ROOM		SUPPLY	ERECTION	SUPPLY	ERECTION	
13i)	Wiring to the 2 Nos. 6/16A socket controlled by 16 A Switch(for raw power) plug point using 2 Runs of 4 sq.mm and 1 Run of 2.5 sqmm multi stand PVC insulated copper conductor(green colour for earth) (FRLS) in a suitable size PVC pipe in open system at above false ceiling and concealed system in below false ceiling in wall / column etc. The rate shall inclusive of Supply, fixing, testing and commissioning of 2 Nos. 6/16A socket controlled by 16 A Switch(for raw power) in a suitable size modular box in recessed system.	Pt.	28	5.00	-	33					
13ii)	Wiring to the 4 Nos. of 6/16Amps socket controlled by individual 16A switch( for UPS) using 2 Runs of 4 sq.mm and 1 Run of 2.5 sqmm multi stand PVC insulated copper conductor(green colour for earth) (FRLS) in a suitable size PVC pipe in open system at above false ceiling and concealed system in below false ceiling in wall / column etc. The rate shall inclusive of Supply, fixing, testing and commissioning of 4 Nos. of 6/16Amps socket controlled by individual 16A switch( for UPS) in a suitable size modular box in recessed system.	Pt.	28	5.00	-	33					
14i)	Wiring to the 6 Nos. of 6/16Amps socket controlled by individual 16A switch( for UPS) using 2 Runs of 6 sq.mm and 1 Run of 4 sqmm multi stand PVC insulated copper conductor(green colour for earth) (FRLS) in a suitable size PVC pipe in open system at above false ceiling and concealed system in below false ceiling in wall / column etc. The rate shall inclusive of Supply, fixing, testing and commissioning of 6 Nos. of 6/16Amps socket controlled by individual 16A switch( for UPS) & in a suitable size modular box in recessed system.	Pt.	11	5.00	-	16					
14ii)	Wiring to the 2 Nos. 6/16A socket controlled by 16 A Switch(for raw power) plug point using 2 Runs of 6 sq.mm and 1 Run of 4 sqmm multi stand PVC insulated copper conductor(green colour for earth) (FRLS) in a suitable size PVC pipe in open system at above false ceiling and concealed system in below false ceiling in wall / column etc. The rate shall inclusive of Supply, fixing, testing and commissioning of 2 Nos. 6/16A socket controlled by 16 A Switch(for raw power) in a suitable size modular box in recessed system.	Pt.	11	5.00	-	16					
15	Wiring to the 32 A 5 Pin 3 PHASE 440V, 50 HZ metal clad socket using 4Runs of 6 sqmm & 1Run 4 sq.mm , FRLS-PVC insulated flexible multistrand Cu wire in suitable size MS pipe in open system above false ceiling and concealed system in below false ceiling in wall / column etc. including minor civil works such as chipping Rough Plastering to match with the original surface. The rate shall inclusive of Design, supply and fixing of 32 A 5 Pin 3 PHASE 440V, 50 HZ metal clad socket and top in a suitable size MS enclosure with 32A TPN MCB fixed in recessed system.	Pt.	-	-	2	2					
16	Design, supply and fixing of 125 A 5 Pin 3 PHASE 440V, 50 HZ metal clad socket and top in a suitable size MS enclosure with 125A TPN MCCB fixed in open/ recessed system with all necessary fixing accessories including minor civil works such as Chipping, Plastering, MS frame work, etc complete as per the requirement and to suit the site conditions.	each	-	-	3	3					

Sl. No.	DESCRIPTION OF QUANTITES	Unit	QUANTITY			TOTAL QUANTITY	Unit Rate in Rs.		Amount in Rs.		Total in Rs.
			FIRST FLOOR(TIDEL OFFICE)	COMMON AREA	IBMS ROOM		SUPPLY	ERECTION	SUPPLY	ERECTION	
17	Wiring to the 32 A 3 Pin Single PHASE ,metal clad socket using 1 Run of 3C 6 sqmm Cu.Ar.Cable in open system above false ceiling and concealed system in below false ceiling in wall / column etc. including minor civil works such as chipping Rough Plastering to match with the original surface. The rate shall inclusive of Design, supply and fixing of 32 A 3 Pin SINGLE PHASE 230V, 50 HZ metal clad socket and top in a suitable size MS enclosure with 32 A DP MCB fixed in recessed system.	Pt.		5.00		5					
18	Supply, fixing of the following aluminium Channel of 1.5 mm wall thickness including stiffner if possible at required intervals in recessed system in floor including cutting chippling, plastering in the floor/wall to make good finish to match with the floor /wall etc.(For Rawpower and UPS)			-		-					
a.	100 x 45 mm	mtrs.	300	-		300					
b	50 x 25 mm	mtrs.	50	-		50					
19	Supply fixing of the 150 x 150 x 42 mm floor junction box with necessary civil works fixed in recessed system in floor including cutting chippling, plastering in the floor/wall to make good finish to match with the floor/ wall etc.	Each	55	-		55					
20	Supply fixing of the 250 x 250 x 42 mm floor junction box with necessary civil works fixed in recessed system in floor including cutting chippling, plastering in the floor/wall to make good finish to match with the floor/ wall etc.	Each	25	-		25					
21	Supply, fixing, testing and commissioning of the following size MCB's in a suitable size MS enclosure either surface mounted or concealed in wall as required at site..			-		-					
a)	6 /10/16/20A SP MCB	Nos.	-	-	QRO	-					
b)	32A TPN MCB	Nos.	-	-	QRO	-					
c)	32A DP MCB	Nos.	-	-	QRO	-					
d)	63A TPN MCB	Nos.	-	-	QRO	-					
22	Supply and laying of following size ISI approved & marked PVC/MS conduits in open system at above false ceiling and concealed system in below false ceiling on wall/column etc including necessary bends,elbow,etc,as required at site. (for general purpose )			-		-					
	The rate shall includes minor civil works such as <b>cutting, chipping, plastering</b> and to make good finished surface to match with the original surface.			-		-					
a	20 mm dia MS conduit of atleast 1.6mm thick .	Mtr.	100	80.00	10	190					
b	25 mm dia MS conduit of atleast 1.6mm thick .	Mtr.	50	80.00	10	140					
c	32 mm dia MS conduit of atleast 1.6mm thick .	Mtr.	25			25					
d	50 mm dia MS conduit of atleast 2mm thick .	Mtr.	10			10					
e	20mm dia PVC medium thick conduit.	Mtr.	25			25					
f	25mm dia PVC medium thick Conduit	Mtr.	25			25					
g	32mm dia PVC medium thick Conduit	Mtr.	25			25					

Sl. No.	DESCRIPTION OF QUANTITIES	Unit	QUANTITY			TOTAL QUANTITY	Unit Rate in Rs.		Amount in Rs.		Total in Rs.
			FIRST FLOOR(TIDEL OFFICE)	COMMON AREA	IBMS ROOM		SUPPLY	ERECTION	SUPPLY	ERECTION	
23	Supply and laying of following size PVC/Metallic flexible hose on ceiling etc. including necessary coupler etc for various purposes as required at site and as per standards.			-		-					
	The rate shall inclusive of necessary supports, fixing screws, etc complete.			-		-					
a	19mm dia. PVC Flexible Hose.	Mtr.	10	80.00	10	100					
b	25mm dia. PVC Flexible Hose.	Mtr.	-	-	-	-					
c	19mm dia. Metallic Flexible Hose.	Mtr.	10	80.00	10	100					
d	25mm dia. MetallicFlexible Hose.	Mtr.	-	-	-	-					
e)	Supply, fixing, cutting, threading and fixing of 19 mm MS conduit for fixing of down rods, including check nut, ball and socket etc. after the installation the pipe shall painted with required colour as required at site condition.	Mtr	-	-	-	500					
f)	Supply amd fixing chain suspender with suitable anchor platners for mirror optics light fititngs in office floors.	sets	-	-	-	3,000					
24	Supply, erection of following sizes GI Perforated type cable rack system made out of Galvanized steel folded to required shape with adequate number of supports.			-		-					
	The cable rack shall have runners rugs of suitable size, horizontal elbow, vertical elbow 90 Deg. Up vertical elbow 90 Deg. Down, re-deep, coupler plates, materials. The cable racks shall be suspended from ceiling supported from side walls in columns etc. with adequate size supporting angles / channels with fastners, welding, anchor bolts, nuts etc. The rack shall have suitable cable clamping arrangements etc. The metal rack system shall be treated with one coat of rubber based polyvinyl paint as primer and finished with two coats of green enamel paint complete with all civil works for fabrication details. Refer enclosed drawing.			-		-					
a	150 mm	Mtr	100	-	-	100					
25	Design, supply, laying of following size PVC/XLPE (FRLS) insulated sheathed (1100 V grade) alu./Cu armoured conductor cable partly laid in existing cable tray and partly laid in wall/ ceiling with suitable clamps. Cable tray /Trench/Hume Pipe will be measured and paid separately.			-		-					
a	4 C x 25 Sqmm XLPE insulated aluminium armoured cable.	Mtr.	300	-	-	300					
b	4 C x 25 Sqmm PVC Cu ar. cable.	Nos.	150	-	-	150					
b	4 C x 16 Sqmm PVC Cu ar. cable.	Nos.	qro	-	-	-					
c	4 C x 10 Sqmm PVC Cu ar. cable.	Mtr.	300	-	-	300					
26	End termination for the following cables with suitable glands and crimping sockets.			-		-					
a	4 C x 25 Sqmm XLPE insulated aluminium armoured cable.	Nos.	4	-	-	4					
b	4 C x 25 Sqmm PVC Cu ar. cable.	Nos.	4	-	-	4					
b	4 C x 16 Sqmm PVC Cu ar. cable.	Nos.	qro	-	-	-					
c	4 C x 10 Sqmm PVC Cu ar. cable.	Nos.	6	-	-	6					

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			FIRST FLOOR(TIDEL OFFICE)	COMMON AREA	IBMS ROOM		SUPPLY	ERECTION	SUPPLY	ERECTION	
27	Supply, fixing and testing of maintenance free similar to Ashlok make safe earthing Electrodes- Cat .no T39 Z, pipe-in-pipe technology, using galvanized mild steel pipes:Outer pipe dia: 76.3mm; Inner Pipe dia: 42.4; Terminal hole :12 mm dia, Length 3 meter; Zinc coating: 80 – 100 microns; Pipes Inners filled with anticorrosive Crystalline Conductive Mixture; along with 50 kgs of Special Backfill compound.										
	The quoted rate shall also include construction required masonry through with RCC cover. The chamber shall have clear internal opening for to a size of 450 x 450 mm meeting IS:3043-1987 .The cover shall be of heavy duty RCC slab to suit heavy vehicle movements or as suitable at site condition subject approval by the client / consultants..										
		each	2	-	-	2					
28	Design, supply and laying of 8 gauge bare copper wire for equipment and DB earthing.	Mtr.	300	-		300					
29	Design, supply and laying of 10 gauge bare copper wire for equipment and DB earthing.	Mtr.	150	-		150					
	<b>SUPPLY &amp; FIXING OF LIGHT FIXTURES</b>			-		-					
30	<b>SUPPLY, FIXING AND TESTING &amp; COMMISSIONING OF LIGHTING LUMINAIRES WITH ALL ACCESSORIES LIKE ELECTRONIC CHOKE, STARTER, LAMPS &amp; LAMP HOLDERS, CONTROL GEARS, MS ANGLE SUPPORTS, FIXING BRACKETS, ANCHOR FASTENER, WIRE SUSPENDER, HOOKS, CLAMPS, SCREWS ETC., CABLING /WIRES UPTO WIRING POINT FROM LUMINAIRES AS REQUIRED AT SITE CONDITION.</b>			-		-					
a)	<b>Equivalent to WIPRO CAT. NO. WCH 50070.</b>			-		-					
	Supply and testing of 1x70W MHL RECESS MOUNTED METAL HALIDE DOWN LIGHTER70W lamp with suitable accessories from ceiling fixed with false ceiling.	Each	-	-	26	26					
b)	<b>Equivalent to WIPRO CAT. NO. WVF 53214 SGW.</b>			-		-					
	Supply and testing of 2x14W FTL (T5) RECESS MOUNTED INDIRECT-DIRECT LUMINAIRE .14W FTL (T5) lamp with suitable accessories from ceiling fixed with false ceiling.	Each	-	272.00	298	570					
c)	<b>Equivalent to WIPRO CAT. NO. GCF 31128 SGW.</b>			-		-					
	Supply and testing of 1x28W FTL (T5) RECESS MOUNTED LINEAR CONTOUR LIGHT.28W FTL (T5) lamp with suitable accessories from ceiling fixed with false ceiling.	Each	-	168.00	111	279					
d)	<b>Equivalent to Philips Cataloge No.: BCS 1903.</b>			-		-					
	Supply and testing of 1x25W CEILING MOUNTED CIRCULAR CFL LUMINAIRE 25W lamp with suitable accessories from ceiling fixed with false ceiling.	Each	-	64.00	8	72					
e)	<b>Equivalent to Philips Cataloge No.: FBS/218 RG-FR.</b>			-		-					
	Supply and testing of 2xPL-C 18W RECESS MOUNTED CLOSED DOWN LIGHT LUMINAIRE WITH FROSED GLASS COVER lamp with suitable accessories from ceiling fixed with false ceiling.	Each	-	224.00	32	256					

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			FIRST FLOOR(TIDEL OFFICE)	COMMON AREA	IBMS ROOM		SUPPLY	ERECTION	SUPPLY	ERECTION	
f	<b>Equivalent to Philips Cataloge No.: TMS 021/136 HF (EB-W).</b>			-		-					
	Supply and testing of 2xTLD 36W SURFACE/WALL MOUNTED FLUORESCENT LAMP LUMINAIRE lamp with suitable accessories from ceiling fixed with false ceiling.	Each	-	-	40	40					
g	<b>Equivalent to Philips Cataloge No.: TMS 021/136 HF (EB-W).</b>			-		-					
	Supply and testing of 1xTLD 36W SURFACE/WALL MOUNTED FLUORESCENT LAMP LUMINAIRE lamp with suitable accessories from ceiling fixed with false ceiling.	Each	-	-	-	-					
h	<b>Equivalent to WIPRO CAT. NO. GCF 32228SGW</b>			-		-					
	Supply and testing of 1X28W Lineos-Surface / suspension mounted linear contour light with FTL(T5) lamp with suitable accessories from ceiling fixed with false ceiling.	Each	-	-	14	14					
i	<b>Equivalent to WIPRO CAT. NO. GCF 32228SGW CT</b>			-		-					
	Supply and testing of 2X28W Lineos-Surface / suspension mounted linear contour light with FTL(T5) lamp with suitable accessories from ceiling fixed with false ceiling.	Each	-	-	170	170					
j	<b>Equivalent to WIPRO CAT. NO.WVP 52155 SGW.</b>			-		-					
	Supply and testing of 1X55W Spacio-Recess mounted indirect-direct luminaire with high efficiency transluence technology, wing shaped reflector-cum housing constructed in CRCA powder coated with ribbed surface finish, suitable for CFL lamps lamp with suitable accessories from ceiling fixed with false ceiling.	Each	20	-	44	64					
ii)	<b>Equivalent to WIPRO CAT. NO.WVP 52414 SGW</b>		-	-	-	-					
	Spacio-Recess mounted indirect-direct luminaire with suitable for CFL lamps- Similar to Wipro Cat. No. WVP 52414APF-4X14 W CFL( alternative to the above 1 x 55 W fitting)	Each	20	-	44	64					
ki)	<b>Equivalent to WIPRO CAT. NO.WVP 52155 ANA</b>			-		-					
	Supply and testing of 1X55W Spacio-Recess mounted indirect-direct luminaire with high efficiency transluence technology, wing shaped reflector-cum housing constructed in CRCA powder coated with ribbed surface finish, suitable for CFL lamps lamp with suitable accessories from ceiling fixed with false ceiling.	Each	42	-	-	42					
ii)	<b>Equivalent to WIPRO CAT. NO.WVP 52414 ANA</b>		-	-	-	-					
	Spacio-Recess mounted indirect-direct luminaire with suitable for CFL lamps- Similar to Wipro Cat. No. WVP 52414APF-4X14 W CFL( alternative to the above 1 x 55 W fitting)	Each	42	-	-	42					
l	<b>Equivalent to WIPRO CAT. NO.WCP 28218 SGW.</b>			-		-					
	Supply and testing of 1X28W Venus-recess mounted low depth downlighter with fresnel lens lamp with suitable accessories from ceiling fixed with false ceiling.	Each	108	-	12	120					
m	<b>Equivalent to WIPRO CAT. NO.WIP 43236 SGW.</b>			-		-					
	Supply and testing of 2X36W Vision-recess mounted IP 54 bottom opening type clean room luminaire suitable for CFL lamps with suitable accessories from ceiling fixed with false ceiling.	Each	-	-	22	22					
n	<b>Equivalent to WIPRO CAT. NO.WCP 28118SGW</b>			-		-					

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			FIRST FLOOR(TIDEL OFFICE)	COMMON AREA	IBMS ROOM		SUPPLY	ERECTION	SUPPLY	ERECTION	
	Supply and testing of 1X18W Venus-recess mounted low depth downlighter with fresnel lenslamp with suitable accessories from ceiling fixed with false ceiling.	Each	2	-	-	2					
o	<b>Equivalent to WIPRO CAT. NO.WRP 21111</b>			-		-					
	Supply and testing of 1X11W Pearl-indoor decorative luminaire with opal acrylic diffuser, end caps and coloured rims suitable for T8 lampslamp with suitable accessories from ceiling fixed with false ceiling.	Each	2	-	-	2					
p	<b>SCENE SELECTOR SYSTEM:</b>			-		-					
	SUPPLY, FIXING, TESTING & COMMISSIONING OF THE SCENE SELECTOR SYSTEM WITH ALL NECESSARY ACCESSORIES FOR THE BOARD ROOM AND MEETING ROOM AS PER THE FOLLOWING:			-		-					
i	Similar to Lutron make Preset Lighting Control System capable of creating 16 preset scenes of lighting, four of which are selectable on the face unit, with adjustable fade rate from 0 second-60 minute, capable of dimming GLS/FTL/CFL/ELV/MLV, with 800 W per zone capacity, with 2300 W capacity per system,with Integral Infrared receiver.  	EACH	3	-		3					
ii	Lutron Product Code: GXI 3104 T CE WH AND Similar to Lutron make 4-scene remote controller, with On/Off button, With Master raise and lower button. Lutron Product Code: GRX IT WH(optional for additional features)  	EACH	3	-		3					
	<b>TOTAL IN RS.</b>										
	<b>Station :</b>										
	<b>Date :</b>						<b>Signature of Tenderer(s)</b>				
<b>NOTE:-</b>	<b>Miniature Circuit Breaker- MCB's for UPS application</b>										
	The MCB's used in UPS feeders shall be of "D" curve type. The MCB shall have a breaking capacity of 10 kA, rated insulation voltage of 500V and an impulse voltage of 2500 V.										

Sl. No.	DESCRIPTION OF QUANTITIES	Unit	QUANTITY			TOTAL QUANTITY	Unit Rate in Rs.		Amount in Rs.		Total in Rs.
			FIRST FLOOR(TIDEL OFFICE)	COMMON AREA	IBMS ROOM		SUPPLY	ERECTION	SUPPLY	ERECTION	
	<b>Make:GE, Hager, Legrand, Merlin Gerin, ABB or equivalent</b>										
	<b>RCCB's for UPS Application:-</b>										
	The RCCB's used for UPS application shall have high immunity against transient currents and voltages and hence reduce unwanted tripping of the circuit. The RCCB shall be EMC complaint and shall conform to IEC 1008, EN 61543.										
	<b>Make:- GE, Hager-HI version, Merlin Gerin - SI version, ABB or equivalent</b>										
	<b>MCCB</b>										
	MCCB shall have provision to provide an external indication for its status ON/OFF/Trip (thru Aux and Trip alarm contact)										
	<b>MCCB's for UPS:-</b>										
	Moulded Case Circuit Breaker(MCCB's) used in UPS feeders shall have Thermal Magnetic type protection unit only.										

**TIDEL PARK COIMBATORE LTD  
( A JV OF TIDCO, ELCOT, TIDEL & STPI )**

**BUILDING COMPLEX OF INFORMATION TECHNOLOGY PARK AT VILANKURICHI  
(SEZ AREA), COIMBATORE**

**LIST OF TENDER DRAWINGS  
INTERIOR WORKS**

<b>S.No.</b>	<b>DESCRIPTION</b>
	<b>INTERIOR LAYOUT</b>
<b>1</b>	<b>GROUND FLOOR INTERIOR PLAN (COMMON AREAS)</b>
<b>2</b>	<b>FOOD COURT INTERIOR LAYOUT PLAN</b>
<b>3</b>	<b>FIRST FLOOR INTERIOR PLAN (COMMON AREAS)</b>
<b>4</b>	<b>TIDEL OFFICE AT FIRST FLOOR INTERIOR LAYOUT PLAN</b>
	<b>FLOORING</b>
<b>5</b>	<b>GROUND FLOOR FLOORING LAYOUT &amp; TILE MARKING PLAN</b>
<b>6</b>	<b>FIRST FLOOR FLOORING LAYOUT &amp; TILE MARKING PLAN</b>
<b>7</b>	<b>SECOND, THIRD &amp; FOURTH FLOOR FLOORING &amp; TILE MARKING PLAN</b>
<b>8</b>	<b>BASEMENT-1, 2 &amp; 3 FLOOR FLOORING &amp; TILE MARKING PLAN</b>
	<b>RCP LAYOUT &amp; SECTIONS</b>
<b>9</b>	<b>GROUND FLOOR RCP LAYOUT (COMMON AREAS)</b>
<b>10</b>	<b>GROUND FLOOR RCP SECTIONS</b>
<b>11</b>	<b>FIRST, SECOND, THIRD &amp; FOURTH FLOOR RCP LAYOUT (COMMON AREAS)</b>
<b>12</b>	<b>FIRST, SECOND, THIRD &amp; FOURTH FLOOR RCP SECTIONS (COMMON AREAS)</b>
<b>13</b>	<b>TIDEL OFFICE AT FIRST FLOOR RCP LAYOUT</b>
<b>14</b>	<b>TIDEL OFFICE RCP SECTIONS</b>
<b>15</b>	<b>DOUBLE HIGH CEILING RCP LAYOUT &amp; SECTIONS</b>
	<b>DETAILS</b>
<b>16</b>	<b>RECEPTION TABLE DETAILS</b>
<b>17</b>	<b>WALL PANELLING DETAILS</b>

S.No.	DESCRIPTION
18	TIDEL OFFICE RECEPTION TABLE DETAILS
19	TYPICAL H.O.D. CABIN DETAILS
20	M.D. CABIN DETAIL
21	MEETING ROOM TABLE DETAILS
22	BOARD ROOM TABLE DETAILS
23	TYPICAL FULL Ht. & LOW Ht. STORAGE UNIT DETAILS
24	PARTITION MARKING LAYOUT PLAN
25	PARTITION DETAIL DWG
26	DOOR DETAILS (JOINERY COVERED IN INTERIOR SCOPE)
	ELECTRICAL DWGS
27	GROUND FLOOR LIGHTING LAYOUT (COMMON AREAS, FOOD COURT)
28	FIRST, SECOND, THIRD & FOURTH FLOOR LIGHTING LAYOUT (COMMON AREAS)
29	BASEMENT FLOOR LIGHTING LAYOUT (COMMON AREAS)
30	TIDEL OFFICE LIGHTING LAYOUT

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**LIST OF TENDER DRAWINGS - ELECTRICAL**

**INTERIOR FITOUT WORKS**

<b>Sl.No.</b>	<b>DESCRIPTION</b>
<b>1</b>	<b>LIFT LOBBY LIGHTING LAYOUT (TYPICAL)(1st, 2nd &amp; 3rd BASEMENT)</b>
<b>2</b>	<b>LIFT LOBBY LIGHTING LAYOUT IN FIRST FLOOR</b>
<b>3</b>	<b>LIFT LOBBY LIGHTING LAYOUT (TYPICAL) 2nd &amp; 3rd FLOOR</b>
<b>4</b>	<b>LIFT LOBBY LIGHTING LAYOUT FOURTH FLOOR</b>
<b>5</b>	<b>LIGHTING LAYOUT OF GROUND FLOOR(INTERIOR SCOPE)</b>
<b>6</b>	<b>INTERIOR POWER SOCKET LAYOUT FOR GROUND FLOOR</b>
<b>7</b>	<b>TIDEL OFFICE LIGHTING LAYOUT FOR FIRST FLOOR</b>
<b>8</b>	<b>SOCKET LAYOUT FOR TIDEL OFFICE IN FIRST FLOOR</b>
<b>9</b>	<b>TRUNKING LAYOUT FOR TIDEL OFFICE IN FIRST FLOOR</b>