

Tamilnadu Polymer Industries Park Limited

(Joint venture of TIDCO & SIPCOT)

III Floor, 19-A, Rukmini Lakshmiopathy Road, Egmore, Chennai - 600 008

TENDER DOCUMENT

TENDER REFERENCE NO - 04

BOOKLET-3

SCHEDULE "A"

FINANCIAL BID - COVER - II

REQUEST FOR PROPOSAL FOR SELECTION OF CONTRACTOR FOR CONSTRUCTION OF PREFABRICATED PUF INSULATED STRUCTURE FOR ADMINISTRATIVE BUILDING, TRAINING CENTRE & ADMINISTRATIVE BLOCK, TECHNOLOGY CENTRE AT TAMILNADU POLYMER INDUSTRIES PARK, PUZHUVIVAKKAM AND VOYALUR VILLAGES, PONNERI TALUK, THIRUVALLUR DISTRICT, TAMILNADU

Date of Release of Tender	26.09.2020
Pre-bid Meeting	08.10.2020, at 3.30 pm
Last Date for Submission of Bid	28.10.2020, till 3:00 PM
Date of Opening of Bid	28.10.2020, at 3:30 PM
Cost of Bid Document:	Rs.11,800/- (Including GST)

TAMILNADU POLYMER INDUSTRIES PARK LIMITED

S No	Contents of the RFP	Page No
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Name of the Work:

Tender Reference No: 04 - REQUEST FOR PROPOSAL FOR SELECTION OF CONTRACTOR FOR CONSTRUCTION OF PREFABRICATED PUF INSULATED STRUCTURE FOR ADMINISTRATIVE BUILDING, TRAINING CENTRE & ADMINISTRATIVE BLOCK, TECHNOLOGY CENTRE AT TAMILNADU POLYMER INDUSTRIES PARK, PUZHUDIVAKKAM AND VOYALUR VILLAGES, PONNERI TALUK, THIRUVALLUR DISTRICT, TAMIL NADU

SCHEDULE 'A'

FINANCIAL BID IN COVER – II

BILL OF QUANTITIES

General

The Bill of Quantities shall contain items for the construction, installation, testing, of the Works to be carried out by the Contractor.

The Bill of Quantities will be used to calculate the Contract Price. The contractor shall be paid for the quantum of work done at the rate mentioned for each item in the Bill of Quantities.

Where there is a discrepancy between the unit rate and the total amount derived from the multiplication of the unit price and the quantity, the unit rate will govern.

Where there is a discrepancy in the unit rate between the rate in figures and words, the correct rate based on data as certified by TPIPL shall be taken as final.

The Employer shall adjust the amount stated in the Bill of Quantities in accordance with the above procedure for the correction of errors and this shall be binding on the bidder, if the bidder does not accept the corrected Bid derived through the above procedure, his bid will be rejected and his EMD may be forfeited.

The rates in the BOQ shall be for carrying out the work in conformity to the BIS, TNBP and Technical Specifications and other Terms and Conditions set out in the Bid Document.

All pages in the BOQ should be signed without omission. All corrections/ over writing should be properly attested by the Bidder.

Change in Quantities:

The quantity furnished in the 'Bill of Quantities' [Schedule-A] is only approximate and it is subject to variation before finalization of the Bid.

If the final quantity of the work done differs from the quantity mentioned in the BoQ for the particular item/items, the rates as in the agreement shall be adopted.

Name of the Work: CONSTRUCTION OF PREFABRICATED PUF INSULATED STRUCTURE FOR ADMINISTRATIVE BUILDING, TRAINING CENTRE & ADMINISTRATIVE BLOCK, TECHNOLOGY CENTRE AT TAMILNADU POLYMER INDUSTRIES PARK, PUZHUVIVAKKAM AND VOYALUR VILLAGES, PONNERI TALUK, THIRUVALLUR DISTRICT, TAMILNADU

ABSTRACT

S.No	Particulars	Amount in Rs.
1	Administrative Building	
2	Administrative Building – Furniture	
3	Training Center and Administrative Block	
4	Technology Center	
5	Technology Center, Training Center and Administrative Block – Furniture	
	TOTAL (RS. IN FIGURES)	
	TOTAL (RS. IN WORDS)	

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
Furnished Below							

1. BoQ for Administrative Building

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
	A.	Foundation and Basement					
1	76.00	Earth work excavation for foundation in all soils and sub-soils to the required depth as may be directed except in hard rock requiring blasting but inclusive of shoring, strutting, and bailing out water wherever necessary and refilling the sides of foundation with excavated earth in 150mm thick layers well watered rammed and consolidated and depositing the surplus earth in places shown clearing and levelling the site with an initial lead of 10 metres and lift as specified here under etc. complete in all respects complying with relevant standard specifications. (Including Refilling)	23 and 95	1 Cum. (One Cum)			
2	18.00	Supply and filling in foundation and basement with Stonedust in layers of 150mm thickness well watered, rammed and consolidated complying with relevant standard specification including cost of Stonedust etc., all complete and as directed by TPIPL officers.	24 and 25	1 Cum. (One Cum)			
3	13.00	Plain cement concrete 1:4:8 (One of cement, four of sand and eight of hard broken stone Jelly) for foundation using 40 mm gauge broken stone jelly inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete in all respects complying with relevant standard specifications and as directed by TPIPL officers.	28	1 Cum. (One Cum)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
4	42.00	Providing and laying in position, Standardised Concrete Mix M-20 Grade in accordance with IS:456-2000 using 20mm and downgraded hard broken granite stone jelly for the all RCC items of works but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing etc., and providing fixtures like fan clamps in the RCC floor/roof slabs wherever necessary without claiming extra etc., complete complying with relevant standard specification and as directed by TPIPL officers. The coarse and fine aggregates to be used should comply with requirements of IS standards. (No separate payment will be made by TPIPL for the excess usage of materials)	30	1Cum. (One Cum)			
5	13.10	Brick work in CM 1: 5 (One of cement and five of sand) using Chamber burnt bricks of size 9" x 4 3/8" x 2 3/4" (23 x 11.2 x 7cm) in foundation and basement including dewatering wherever necessary proper setting, curing etc., complete with relevant standard specifications.	13 & 31C	1 Cum. (One Cum)			
6	118.00	Filling in foundation and basement and other similar works with Excavated earth in layers of 150mm thick well watered rammed and consolidated complying with relevant standard specification etc., all complete and as directed by TPIPL.	24,25&95	1Cum. (One Cum)			
7	27.00	Plain cement concrete 1:3:6 (One of cement three of sand and six of HBS jelly) using 20m gauge hard broken stone jelly excluding the shuttering and centering but including laying, curing and finishing with relevant standard specifications in foundation and basement, and other similar works & as directed by TPIPL.	28	1Cum. (One Cum)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
8		Providing Form work and centering for reinforced cement concrete works including supports and strutting up to 3.30m height for plane surfaces as detailed below with all cross bracings using mild steel sheets of size 90cm x 60cm and MS 10 gauge stiffened with welded mild steel angles of size 25mmx25mmx3mm for boarding laid over silver oak or country wood joists of size 10cmx6.5cm spaced at about 90cm centre to centre and supported by casurina props 10cm to 13cm dia spaced at 75cm intervals and removing the same after a specified period without damaging the R.C.C works etc., complete complying with standard specification and as directed by TPIPL officers.	30 (8)				
	112.00	a.For Column footings, plinth beam, Grade beam, Raft beam, Raft slab etc.,		1 Sqm. (One Sqm)			
9	152.00	Plastering with CM 1:5 (One of cement and five of sand) 12mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding, etc., complete in all respects and complying with relevant standard specifications.	13,56 and 57	1 Sqm. (One Sqm)			
10	71.00	Plastering the top of flooring in CM 1:4 (One of cement and four of sand) 20mm thick including surface rendered smooth including providing proper slopes, thread lining, curing and 150mm wide skirting all-round with the same cement mortar etc., complete in all respects.	13,56 and 57	1 Sqm. (One Sqm)			
11	5.04	Supplying, fabricating and placing in position of Mild steel Grills / Ribbed Tor Steels for reinforcement for all floors including cost of binding wire, bending tying etc., all complete and as directed by TPIPL officers.	30 & 86	1 MT (One MT)			

B.		Super Structure - Pre-Fabricated PUF Insulated Structure					
S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
12	291.82	Roof - Roof truss & Purlin made out of tubular section as per design. The Roof cladding shall be done with 30mm thick Sandwich panel having density of 40Kg/CUM. (± 2Kgs). Color: Sky blue/Off white.	110	1 Sqm. (One Sqm)			
13	158.80	Outer wall - The insulated wall cladding shall be done with sandwich type panels including supports made out of MS tubular section, 1.6mm thick GI base channel and 1.2mm thick GI top channel for wall panel, 1.6mm thick MS framework for windows and doors, 0.4mm thick PPGI corner flashing as required. The panels shall be made out with 0.35 mm thick Pre coated plain sheets at outer side and inner side of PUF having density of 40 kg/Cu.M. Total thickness of wall panel shall be 50 mm. The panels are joined together by tongue and groove method and placed in the vertical direction. Color: Off white.	Special	1 Sqm. (One Sqm)			
14	158.80	Wall Inner cladding - Inside wall cladding made up of 8mm thick calcium silicate board and applying 2 coat of emulsion paint with joint putty and primer	Special	1 Sqm. (One Sqm)			
15	158.80	Wall panel exterior painting - Providing and applying One coat of Textured paint of ASIAN PAINTS SCRATCH FINISH texture with 2 coats of Apex Suprema to external walls after thoroughly sandpapering the surfaces to remove dust, dirt, etc. including the cost of material, cleaning of paint stains, labor etc., complete at all levels as directed by the TPIPL.	66	1 Sqm. (One Sqm)			
16	52.80	Windows -Windows shall of 8mm thick dark tinted toughened glass with powder coated Aluminum frame and sunshade. Size: 1m/2m x 2.4m (Ht.)	74 and 81A	1 Sqm. (One Sqm)			
17	8.40	Glass double door - 10mm toughened glass Double door (1000mmX2400mmX2)	Special	1 Sqm. (One Sqm)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
18	66.93	Partition for Office area - GI Frames partition system made out of 48mm stud with flange of 32mm and 34mm placed at 610mm spacing over 50mm Floor and ceiling channel with equal flange of 32mm. Double side cladding with 12mm thick Gypsum board for dry areas and 8mm thick calcium silicate board for wet areas and applying 2 coat of emulsion paint with joint putty and primer and 25mm thick Rockwool insulation for better acoustic insulation with 2.4mtr Height 8mm thick toughened glass	Special	1 Sqm. (One Sqm)			
19	182.14	Partition for Toilet area - GI Frames partition system made out of 48mm stud with flange of 32mm and 34mm placed at 610mm spacing over 50mm Floor and ceiling channel with equal flange of 32mm. Double side cladding with 12mm thick Gypsum board for dry areas and 8mm thick calcium silicate board for wet areas and applying 2 coat of emulsion paint with joint putty and primer and 25mm thick Rockwool insulation for better acoustic insulation.	Special	1 Sqm. (One Sqm)			
20	10.08	Single Glass door - 10mm toughened glass single door as per drawing (1000mmX2400mm)	Special	1 No (One No)			
21	4.54	Double Glass door - 10mm toughened glass Double door as per drawing (1800mmX2400mm)	Special	1 No (One No)			
22	1.00	Flush door - Door leaf - Wooden flush door (30mm), Door frame - 1.6mm MS sheet, Enamel painted. Door hardware - SS hinges, Door lock, 40kg Door closer. Size: 2100(Ht.)X950	72, 74 and Special	1 No (One No)			
23	9.00	PVC Door - Door leaf - PVC flush door (30mm), Door frame - 1.6mm MS sheet, Enamel painted. Door hardware - SS hinges, Door lock. Size: 2100(Ht.)X750	72, 74 and Special	1 Sqm. (One Sqm)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
24	8.00	Ventilator - Aluminum Louvered Ventilator with Pind Glass	74 and 81A	1 No (One No)			
25	253.76	False Ceiling - Frame works made out of GI section designed to fixed to the above roof truss and walls using M6 fasteners of suitable length. False ceiling should be done with polymeric section of 250x6mm with an air gap of minimum 4mm and joined together by tongue and groove using self-tapping screws.	Special	1 Sqm. (One Sqm)			
26	50.10	Rain water Gutter - 0.47mm thk. GI color coated plain sheet including folding charges and fixing fasteners. 4" PVC down take pipe at every 5-6 metres with PVC elbow, MTA, clamp, screws, etc. MS Clamp made out of 25x6 flat, complete.	107 and Special	1 R.M (One RM)			
27		ELECTRICAL	Special				
a	26.00	2'X2' LED light fitting 36W		1 No (One No)			
b	6.00	LED Batten light 40W		1 No (One No)			
c	6.00	LED Batten light 18W		1 No (One No)			
d	12.00	LED Down light		1 No (One No)			
e	6.00	LED 7W lamp		1 No (One No)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
f	9.00	20A AC Point		1 No (One No)			
g	4.00	1.5 Ton AC - 3 Star Inverter		1 No (One No)			
h	5.00	1 Ton AC - 3 Star Inverter		1 No (One No)			
i	15.00	Ceiling fan 1200mm		1 No (One No)			
l	60.00	5 Amps Points (RP)		1 No (One No)			
k	6.00	15 Amps points Single ph		1 No (One No)			
l	1.00	SPN DB With RCCB		1 No (One No)			
m	2.00	7 Segment DB With RCCB		1 No (One No)			
n	1.00	VTPN DB with MCCB		1 No (One No)			
o	1.00	Incoming cable for DB with cable tray		1 No (One No)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
p	2.00	Pipe earthing with GI cable/flat	Special	1 No (One No)			
28		PLUMBING					
a	6.00	EWC with Accessories		1 No (One No)			
b	5.00	Wash basin with accessories		1 No (One No)			
c	6.00	Tap		1 No (One No)			
d	3.00	Urinal		1 No (One No)			
e	5.00	Urinal Partition		1 No (One No)			
f	1.00	SS Sink with Granite platform		1 No (One No)			
g	9.00	3/4" UPVC Ball valve		1 No (One No)			
h	1.00	1000 ltr Water Tank with 4mtr MS Stand		1 No (One No)			
i	42.00	3/4" UPvc Pipe in Mtr	1 Mtr (One Mtr)				

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
j	36.00	1 1/4" UPvc Pipe in Mtr		1 Mtr (One Mtr)			
k	36.00	2 1/2" Pvc Pipe in Mtr		1 Mtr (One Mtr)			
l	18.00	4" Pvc Pipe in Mtr		1 Mtr (One Mtr)			
29		IT NETWORK DATA & VOICE	Special				
a	850.00	Cat 6 UTP cable (Approx Qty)		1 Mtr (One Mtr)			
b	31.00	Cat 6 Information Outlet(DATA 1 & Voice 1)		1 No (One No)			
c	15.00	Dual Face Plate with back Box (Approx Qty)		1 No (One No)			
d	1.00	Single Face Plate with back Box (Approx Qty)		1 No (One No)			
e	1.00	2.5, 4 Sq.mm Ferrule 0-9		1 No (One No)			
f	4.00	Cable Tie 150, 200.300		1 Pkt (One Pkt)			
g	14.00	Patch cord(2M)		1 No (One No)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
h	28.00	Patch cord(1M)		1 No (One No)			
i	1.00	15 U Rack With accessories		1 No (One No)			
j	2.00	Patch panel (24 port)		1 No (One No)			
k	1.00	Cable Manager		1 No (One No)			
l	10.00	Raiser cable 25 pair (Unarmoured - Approx Qty)		1 Mtr (One Mtr)			
m	1.00	50 pair MDF		1 No (One No)			
n	10.00	200MM*200MM Ms Junction Box (Approx Qty)		1 No (One No)			
o	140.00	1.5"PVC Pipe (Approx Qty)		1 Mtr (One Mtr)			
p	31.00	Testing and Numbering		1 No (One No)			
q	2.00	VGA & HDMI Cable		1 No (One No)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
r	1.00	Accessories		1 Lot (One Lot)			
30		ADDRESSABLE FIRE DETECTION AND ALARM SYSTEM	Special				
a	1.00	Addressable intelligent Single - Loop Fire Alarm Control panel		1 No (One No)			
b	22.00	Addressable Smoke detector with base		1 No (One No)			
c	1.00	Addressable Heat detector with base		1 No (One No)			
d	22.00	Response indicator for all detectors located above false ceiling		1 No (One No)			
e	3.00	Loop Powered Addressable Hooter		1 No (One No)			
f	1.00	Input/Output module		1 No (One No)			
g	3.00	Addressable Single action Manual pull station		1 No (One No)			
h	165.00	Supplying, installing, testing and commissioning of 2 core of 1.5 sq. mm, Armored insulated copper wires conforming to standards. (Approx Qty)		1 Mtr (One Mtr)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
i	2.00	Isolator		1 No (One No)			
j	1.00	Accessories		1 Lot (One Lot)			
k	2.00	12 V 7AH Battery		1 No (One No)			
l	3.00	MCP Sticker		1 No (One No)			
31		Fire Extinguisher	Special				
a	4.00	Dry 4Kg		1 No (One No)			
b	3.00	Co2 4.5Kg		1 No (One No)			
c	8.00	Extinguisher Sticker		1 No (One No)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
32	148.10	<p>Facia - Providing and fixing stick type Aluminum Composite Panels of Aludecor/equivalent make for external wall / column /canopy cladding in combination of solid / smoothie silver colours, including all necessary aluminum L.type frame work and complete weather sealing. The composite panel should consist of 2 mm thermoplastic core of LDPE sandwiched between 2 skins of 0.25mm thick Aluminum sheet (alloy designation 310S) making a total panel thickness of 3 mm. The surface will be furnished with Lumiflon based fluorocarbon coating on top sides and service coating on reverse side. Coatings shall conform to specifications of ECCA /AAMA and conforming to the Mechanical Properties of Panel as per detailed technical specification. The system shall be fixed using GI L,brackets and GI steel bolts and nuts complete with spring washers and cap nuts and all other necessary accessories. The bracket support shall be designed as per manufacturer's specification and shall withstand a wind pressure of 100 Kg/sqm. All hardware shall be corrosion resistant.</p>	Special	1 Sqm. (One Sqm)			
Total (Rs.in Figures)							
Total (Rs.in Words)							

2. BoQ for Administrative Building - Furniture

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
1	4	Charges for supply of SENIOR LEVEL OFFICE TABLE, made up of 36mm thick pre laminated exterior grade partical board confirming IS.12823, For the table top, legs and 18mm for the modesty, drawer and cupboard. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, legs, drawer and door and 0.5mm thick PVC for all the visible edges. The Table has the provision for 3 drawers and 2 drawers on the side table with telescopic channel for the drawer and lock, including all necessary accessories for fixing. Size: W 1800 x D 750 x H 750 / Side table: W 1200 x D 450 x H 750.	Special	1 No (One No)			
2	4	Charges for supply of OFFICE TABLE, made up of 36mm thick pre laminated exterior grade partical board confirming IS.12823, For the table top, legs and 18mm for the modesty, drawer and cupboard. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, legs, drawer and door and 0.5mm thick PVC for all the visible edges. The Table has the provision for 3 drawers and 2 drawers on the side table with telescopic channel for the drawer and lock, including all necessary accessories for fixing. Size:W 1500 x D 750 x H 750/ Side table : W 1050 x D 450 x H 750.	Special	1 No (One No)			
3	8	Charges for supplying and fixing of SENIOR/ OFFICER HIGH BACK CHAIR, Made up of 25mm round 14 gauge MS pipe for the "S" type leg, and 12mm thick hot pressed molded ply with 40 density molded PU foam upholstered with fabric for the seat , for the back single Piece Nylon / ABS back with nylon netted fabric. P.P. arm rest, five prong MS powder coated base with rubberised wheels, including all necessary accessories for fixing.	Special	1 No (One No)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
4	16	Charges for supplying and fixing of SENIOR / OFFICER VISITOR CHAIR, Made up of 25mm round 14 gauge MS pipe for the "S" type leg, and 12mm thick hot pressed molded ply with 40 density molded PU foam upholstered with fabric for the seat , for the back single piece Nylon / ABS back with nylon netted fabric. P.P. arm rest, including all necessary accessories for fixing.	Special	1 No (One No)			
5	1	Charges for supply of Reception Table " L " , Made up of 25mm thick pre laminated exterior grade partical board confirming IS.12823, for the table top, modesty, legs, 18mm thick for the CPU, keyboard, drawer and cupboard. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, legs, drawer and door and .5mm thick PVC for all the visible edges. The Table has the provision for one drawer and one cupboard with telescopic channel for the drawer and keyboard, including all necessary accessories for fixing. Size: w 2400 x D 1800 x H 750/1050.	Special	1 No (One No)			
6	2	Charges for supplying and fixing of Reception Sofa 2- seater, made up of silver wood frame work with 40 density PU molded foam for the seat and back upholstered with artificial leather. Including all necessary accessory for fixing. (as per the design)	Special	1 No (One No)			
7	1	Charges for supply of Teak Wood Center Table , Made up of 50 x 50 mm square leg and 50 x 35mm thick cross support , 8mm thick glass, all the raw parts are coated with PU polish size:W 900 x D450 x H 450. (as per the design)	Special	1 No (One No)			
8	1	Charges for supply of Teak Wood Corner Table , Made up of 50 x 50 mm square leg and 50 x 35mm thick cross support , 8mm thick glass, all the raw parts are coated with PU polish size:W 500 x D 500 x H 450. (as per the design)	Special	1 No (One No)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
9	1	Charges for supply of MD TABLE, made up of 50mm thick pre laminated exterior grade partical board confirming IS.12823, For the table top, legs and 18mm for the modesty, drawer and cupboard. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, legs, drawer and door and .5mm thick PVC for all the visible edges. The Table has the provision for 3 drawers and 2 drawers on the side table with telescopic channel for the drawer and lock, including all necessary accessories for fixing. Size:w 2100 x D 750 x H 750/ Side table : W 1200 x D 450 x H 750.	Special	1 No (One No)			
10	1	Charges for supplying and fixing of MD HIGH BACK CHAIR , Made up of 25mm round 14 gauge MS pipe for the "S" type leg, and 12mm thick hot pressed molded ply with 40 density molded PU foam upholstered with fabric for the seat , for the back single piece Nylon / ABS back with nylon netted fabric. P.P. arm rest, five prong metal chrome coated base with nylon wheels including all necessary accessories for fixing.	Special	1 No (One No)			
11	3	Charges for supplying and fixing of Conference Chair/ Visitor chair, Made up of 25mm round 14 gauge MS pipe for the "S" type leg, and 12mm thick hot pressed molded ply with 40 density molded PU foam upholstered with fabric for the seat , for the back single piece Nylon / ABS back with nylon netted fabric. P.P. arm rest, including all necessary accessories for fixing.	Special	1 No (One No)			
12	59	Charges for supply of MD ROOM BACK CUPBOARD, made up of 18mm thick pre laminated exterior grade partical board confirming 12823, for the top, legs, horizontal shelf 9mm thick for the back. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, self and 0.5mm thick PVC for all the visible edges, including all necessary accessories for fixing. Size: W 2700 x D 400 x H 1950	Special	1 Sqft (One Sqft)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
13	1	Charges for supply of MEETING TABLE, Made up of 36mm thick pre laminated exterior grade partical board confirming IS.12823, for the Table Top, Legs and 18mm for the modesty. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, legs, and 0.5mm thick PVC for all the visible edges. The Table has the provision for electrical manual opening POP up box (10nos) including all necessary accessories for fixing. size: W 6750 x D 1800 x H 750.	Special	1 No (One No)			
14	16	Charges for supplying and fixing of Conference Chair/ Visitor chair, Made up of 25mm round 14 gauge MS pipe for the "S" type leg, and 12mm thick hot pressed molded ply with 40 density molded PU foam upholstered with fabric for the seat , for the back single piece Nylon / ABS back with nylon netted fabric. P.P. arm rest, including all necessary accessories for fixing.	Special	1 No (One No)			
15	3	Charges for supplying and fixing of MD HIGH BACK CHAIR , Made up of 25mm round 14 gauge MS pipe for the "S" type leg, and 12mm thick hot pressed molded ply with 40 density molded PU foam upholstered with fabric for the seat , for the back single piece Nylon / ABS back with nylon netted fabric. P.P. arm rest, five prong metal chrome coated base with nylon wheels including all necessary accessories for fixing.	Special	1 No (One No)			
Total Rs.in Figure							
Total Rs.in words							

3. BoQ for Training Center and Administrative Block

S.No.	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in Figure	Rs.in Words	
1	2	3	4	5	6		7
	A.	Foundation and Basement					
1	431.00	Earth work excavation for foundation in all soils and sub-soils to the required depth as may be directed except in hard rock requiring blasting but inclusive of shoring, strutting, and bailing out water wherever necessary and refilling the sides of foundation with excavated earth in 150mm thick layers well watered rammed and consolidated and depositing the surplus earth in places shown clearing and levelling the site with an initial lead of 10 metres and lift as specified here under etc. complete in all respects complying with relevant standard specifications. (Including Refilling)	23 and 95	1 Cum. (One Cum)			
2	68.00	Supply and filling in foundation and basement with Stonedust in layers of 150mm thickness well watered, rammed and consolidated complying with relevant standard specification including cost of Stonedust etc., all complete and as directed by TPIPL.	24 and 25	1 Cum. (One Cum)			
3	45.00	Plain cement concrete 1:4:8 (One of cement, four of sand and eight of hard broken stone Jelly) for foundation using 40 mm gauge broken stone jelly inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete in all respects complying with relevant standard specifications and as directed by TPIPL.	28	1 Cum. (One Cum)			

S.No.	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in Figure	Rs.in Words	
1	2	3	4	5	6		7
4	193.20	Providing and laying in position, Standardised Concrete Mix M 20 Grade in accordance with IS:456-2000 using 20mm and downgraded hard broken granite stone jelly for the all RCC items of works but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing etc., and providing fixtures like fan clamps in the RCC floor/roof slabs wherever necessary without claiming extra etc., complete complying with relevant standard specification and as directed by TPIPL officers. The coarse and fine aggregates to be used should comply with requirements of IS standards. (No separate payment will be made by TPIPL for the excess usage of materials)	30	1 Cum. (One Cum)			
5	79.00	Brick work in CM 1: 5 (One of cement and five of sand) using Chamber burnt bricks of size 9" x 4 3/8" x 2 3/4" (23 x 11.2 x 7cm) in foundation and basement including dewatering wherever necessary proper setting, curing etc., complete with relevant standard specifications.	13 & 31C	1 Cum. (One Cum)			
6	421.00	Filling in foundation and basement and other similar works with Excavated earth in layers of 150mm thick well watered rammed and consolidated complying with relevant standard specification etc., all complete and as directed by TPIPL.	24, 25 and 95	1 Cum. (One Cum)			
7	94.00	Plain cement concrete 1:3:6 (One of cement three of sand and six of HBS jelly) using 20m gauge hard broken stone jelly excluding the shuttering and centering but including laying, curing and finishing with relevant standard specifications in foundation and basement, and other similar works & as directed by TPIPL.	28	1 Cum. (One Cum)			

S.No.	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in Figure	Rs.in Words	
1	2	3	4	5	6		7
8		Providing Form work and centering for reinforced cement concrete works including supports and strutting up to 3.30m height for plane surfaces as detailed below with all cross bracings using mild steel sheets of size 90cm x 60cm and MS 10 gauge stiffened with welded mild steel angles of size 25mmx25mmx3mm for boarding laid over silver oak or country wood joists of size 10cmx6.5cm spaced at about 90cm centre to centre and supported by casurina props 10cm to 13cm dia spaced at 75cm intervals and removing the same after a specified period without damaging the R.C.C works etc., complete complying with standard specification and as directed by TPIPL.	30 (8)	1 Sqm. (One Sqm)			
a.	593.00	For Column footings, plinth beam, Grade beam, Raft beam, Raft slab etc.,					
9	208.00	Plastering with CM 1:5 (One of cement and five of sand) 12mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding, etc., complete in all respects and complying with relevant standard specifications.	13, 56 and 57	1 Sqm. (One Sqm)			
10	200.00	Plastering the top of flooring in CM 1:4 (One of cement and four of sand) 20mm thick including surface rendered smooth including providing proper slopes, thread lining, curing and 150mm wide skirting all-round with the same cement mortar etc., complete in all respects.	13, 56 and 57	1 Sqm. (One Sqm)			
11	23.06	Supplying, fabricating and placing in position of Mild steel Grills / Ribbed Tor Steels for reinforcement for all floors including cost of binding wire, bending tying etc., all complete and as directed by TPIPL.	30 & 86	1 MT (One MT)			
	B.	Super Structure - Pre-Fabricated PUF Insulated Structure					

S.No.	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in Figure	Rs.in Words	
1	2	3	4	5	6		7
12	1040.04	Roof truss & Purlin made out of tubular section as per design. The Roof cladding shall be done with 30mm thick Sandwich panel having density of 40Kg/CUM. (\pm 2Kgs). Color: Sky blue/Off white.	110	1 Sqm. (One Sqm)			
13	749.02	Outer wall - The insulated wall cladding shall be done with sandwich type panels including supports made out of MS tubular section, 1.6mm thick GI base channel and 1.2mm thick GI top channel for wall panel, 1.6mm thick MS framework for windows and doors, 0.4mm thick PPGI corner flashing as required. The panels shall be made out with 0.35 mm thick Pre coated plain sheets at outer side and inner side of PUF having density of 40 kg/Cu.M. Total thickness of wall panel shall be 50 mm. The panels are joined together by tongue and groove method and placed in the vertical direction. Color: Off white.	Special	1 Sqm. (One Sqm)			
14	749.02	Wall Cladding - Inside wall cladding made up of PVC section of minimum 250 x 6mm thickness with an air gap of minimum 4mm by tongue and groove method using self-tapping screws. Color: Beige	Special	1 Sqm. (One Sqm)			
15	46.00	Windows shall of 2 track Aluminum sliding windows with glass, sunshade and safety MS grills. Size: 1m x 1.2m (Ht.)	Special	1 No (One No)			
16	1.00	Steel Double Door (2100(Ht.)X1925) with vision glass (300x300mm)	Special	1 No (One No)			
17	1.00	Steel Single Door (2100(Ht.)X950) with vision glass (300x300mm)	Special	1 No (One No)			

S.No.	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in Figure	Rs.in Words	
1	2	3	4	5	6		7
18	628.18	Double side partition made up of enamel painted 25 x 50mm MS and GI section with double side paneling of polymeric section of minimum 250 x 6mm thickness with Rockwool insulation for better acoustic insulation. These panels are joined together by tongue and groove method using self-tapping screws. Colour: Beige	Special	1 No (One No)			
19	7.00	Door leaf - Wooden flush door (30mm), Door frame - 1.6mm MS sheet, Enamel painted. Door hardware - SS hinges, Door lock, 40kg Door closer. Size: 2100(Ht.)X1925	72, 74 and Special	1 No (One No)			
20	15.00	Door leaf - Wooden flush door (30mm), Door frame - 1.6mm MS sheet, Enamel painted. Door hardware - SS hinges, Door lock, 40kg Door closer. Size: 2100(Ht.)X950	72, 74 and Special	1 No (One No)			
21	13.00	Door leaf - PVC flush door (30mm), Door frame - 1.6mm MS sheet, Enamel painted. Door hardware - SS hinges, Door lock. Size: 2100(Ht.)X750	72, 74 and Special	1 No (One No)			
22	22.00	Aluminum Louvered Ventilator with Pind Glass	Special	1 No (One No)			
23	934.20	Frame works made out of GI section designed to fixed to the above roof truss and walls using M6 fasteners of suitable length. False ceiling should be done with polymeric section of 250x6mm with an air gap of minimum 4mm and joined together by tongue and groove using self-tapping screws.	Special	1 Sqm. (One Sqm)			
24	170.00	Rain water Gutter - 0.47mm thk. GI color coated plain sheet including folding charges and fixing fasteners. 4" PVC down take pipe at every 5-6 metres with PVC elbow, MTA, clamp, screws, etc. MS Clamp made out of 25x6 flat, complete.	107 and Special	1 R.M (One R.M)			
25		ELECTRICAL	Special				
a	80.00	2'X2' LED light fitting 36W		1 No (One No)			

S.No.	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in Figure	Rs.in Words	
1	2	3	4	5	6		7
b	36.00	LED Batten light 40W		1 No (One No)			
c	120.00	LED Down light		1 No (One No)			
d	20.00	20A AC Point		1 No (One No)			
e	35.00	Ceiling fan 1200mm		1 No (One No)			
f	100.00	5 Amps Points (RP)		1 No (One No)			
g	20.00	15 Amps points Single ph		1 No (One No)			
h	6.00	7 Segment DB With RCCB		1 No (One No)			
i	1.00	VTPN DB with MCCB		1 No (One No)			
j	1.00	Incoming cable for DB with cable tray		1 No (One No)			
k	2.00	Pipe earthing with GI cable/flat		1 No (One No)			
26		PLUMBING		Special			

S.No.	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in Figure	Rs.in Words	
1	2	3	4	5	6		7
a	13.00	EWC with Accessories		1 No (One No)			
b	16.00	Wash basin with accessories		1 No (One No)			
c	16.00	Tap		1 No (One No)			
d	7.00	Urinal		1 No (One No)			
e	9.00	Urinal Partition		1 No (One No)			
f	2.00	SS Sink with Granite platform		1 No (One No)			
g	23.00	3/4" UPVC Ball valve		1 No (One No)			
h	3.00	1000 ltr Water Tank with 4mtr MS Stand		1 No (One No)			
i	90.00	3/4" UPvc Pipe in Mtr		1 Mtr (One Mtr)			
j	90.00	1 1/4" UPvc Pipe in Mtr		1 Mtr (One Mtr)			

S.No.	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in Figure	Rs.in Words	
1	2	3	4	5	6		7
k	60.00	2 1/2" Pvc Pipe in Mtr		1 Mtr (One Mtr)			
l	30.00	4" Pvc Pipe in Mtr		1 Mtr (One Mtr)			
27		IT NETWORK DATA & VOICE	Special				
a	2400.00	Cat 6 UTP cable (Approx Qty)		1 Mtr (One Mtr)			
b	60.00	Cat 6 Information Outlet(DATA 1 & Voice 1)		1 No (One No)			
c	30.00	Dual Face Plate with back Box (Approx Qty)		1 No (One No)			
d	1.00	Single Face Plate with back Box (Approx Qty)		1 No (One No)			
e	2.00	2.5, 4 Sq.mm Ferrule 0-9		1 No (One No)			
f	5.00	Cable Tie 150, 200.300		1 Pkt (One Pkt)			
g	30.00	Patch cord(2M)		1 No (One No)			
h	60.00	Patch cord(1M)		1 No (One No)			

S.No.	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in Figure	Rs.in Words	
1	2	3	4	5	6		7
i	1.00	15 U Rack With accessories		1 No (One No)			
j	3.00	Patch panel (24 port)		1 No (One No)			
k	2.00	Cable Manager		1 No (One No)			
l	20.00	Raiser cable 25 pair (Unarmoured - Approx Qty)		1 Mtr (One Mtr)			
m	1.00	50 pair MDF		1 No (One No)			
n	17.00	200MM*200MM Ms Junction Box (Approx Qty)		1 No (One No)			
o	350.00	1.5"PVC Pipe (Approx Qty)		1 Mtr (One Mtr)			
p	60.00	Testing and Numbering		1 No (One No)			
q	4.00	VGA & HDMI Cable		1 No (One No)			
r	1.00	Accessories		1 LOT (One Lot)			

S.No.	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in Figure	Rs.in Words	
1	2	3	4	5	6		7
28		ADDRESSABLE FIRE DETECTION AND ALARM SYSTEM	Special				
a	1.00	Addressable intelligent Single - Loop Fire Alarm Control panel		1 No (One No)			
b	50.00	Addressable Smoke detector with base		1 No (One No)			
c	10.00	Addressable Heat detector with base		1 No (One No)			
d	25.00	Response indicator for all detectors located above false ceiling		1 No (One No)			
e	11.00	Loop Powered Addressable Hooter		1 No (One No)			
f	1.00	Input/Output module		1 No (One No)			
g	11.00	Addressable Single action Manual pull station		1 No (One No)			
h	550.00	Supplying, installing, testing and commissioning of 2 core of 1.5 sq. mm, Armored insulated copper wires confirming to standards. (Approx Qty)		1 Mtr (One Mtr)			
i	3.00	Isolator		1 No (One No)			

S.No.	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in Figure	Rs.in Words	
1	2	3	4	5	6		7
j	1.00	Accessories		1 LOT (One Lot)			
k	2.00	12 V 7AH Battery		1 No (One No)			
l	11.00	MCP Sticker		1 No (One No)			
29		Fire Extinguisher		Special			
a	10.00	Dry 4Kg		1 No (One No)			
b	4.00	Co2 4.5Kg		1 No (One No)			
c	8.00	Extinguisher Sticker		1 No (One No)			
Total Rs.in Figure							
Total Rs.in Words							

4. BoQ for Technology Center

S.No.	Qty	Description of work	T.N.B.P Specification Number	Unit	Rate		Amount (Rs.)
1	2	3	4	5	6		7
	A.	Foundation and Basement			Rs.in Figure	Rs.in Words	
1	288.00	Earth work excavation for foundation in all soils and sub-soils to the required depth as may be directed except in hard rock requiring blasting but inclusive of shoring, strutting, and bailing out water wherever necessary and refilling the sides of foundation with excavated earth in 150mm thick layers well watered rammed and consolidated and depositing the surplus earth in places shown clearing and levelling the site with an initial lead of 10 metres and lift as specified here under etc. complete in all respects complying with relevant standard specifications. (Including Refilling)	23 and 95	1Cum (One Cum)			
2	74.00	Supply and filling in foundation and basement with Stonedust in layers of 150mm thickness well watered, rammed and consolidated complying with relevant standard specification including cost of Stonedust etc., all complete and as directed by TPIPL.	24 and 25	1Cum (One Cum)			
3	33.00	Plain cement concrete 1:4:8 (One of cement, four of sand and eight of hard broken stone Jelly) for foundation using 40 mm gauge broken stone jelly inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete in all respects complying with relevant standard specifications and as directed by TPIPL.	28	1Cum (One Cum)			

S.No.	Qty	Description of work	T.N.B.P Specification Number	Unit	Rate	Amount (Rs.)
1	2	3	4	5	6	7
4	185.10	Providing and laying in position, Standardised Concrete Mix M-20 Grade in accordance with IS:456-2000 using 20mm and downgraded hard broken granite stone jelly for the all RCC items of works but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing etc., and providing fixtures like fan clamps in the RCC floor/roof slabs wherever necessary without claiming extra etc., complete complying with relevant standard specification and as directed by TPIPL officers. The coarse and fine aggregates to be used should comply with requirements of IS standards. (No separate payment will be made by TPIPL for the excess usage of materials)	30	1Cum (One Cum)		
5	37.00	Brick work in CM 1: 5 (One of cement and five of sand) using Chamber burnt bricks of size 9" x 4 3/8" x 2 3/4" (23 x 11.2 x 7cm) in foundation and basement including dewatering wherever necessary proper setting, curing etc., complete with relevant standard specifications.	13 & 31C	1Cum (One Cum)		
6	528.00	Filling in foundation and basement and other similar works with Excavated earth in layers of 150mm thick well watered rammed and consolidated complying with relevant standard specification etc., all complete and as directed by TPIPL.	24, 25 and 95	1Cum (One Cum)		
7	118.00	Plain cement concrete 1:3:6 (One of cement three of sand and six of HBS jelly) using 20m gauge hard broken stone jelly excluding the shuttering and centering but including laying, curing and finishing with relevant standard specifications in foundation and basement, and other similar works & as directed by TPIPL.	28	1Cum (One Cum)		

S.No.	Qty	Description of work	T.N.B.P Specification Number	Unit	Rate		Amount (Rs.)
1	2	3	4	5	6		7
8		Providing Form work and centering for reinforced cement concrete works including supports and strutting up to 3.30m height for plane surfaces as detailed below with all cross bracings using mild steel sheets of size 90cm x 60cm and MS 10 gauge stiffened with welded mild steel angles of size 25mmx25mmx3mm for boarding laid over silver oak or country wood joists of size 10cmx6.5cm spaced at about 90cm centre to centre and supported by casurina props 10cm to 13cm dia spaced at 75cm intervals and removing the same after a specified period without damaging the R.C.C works etc., complete complying with standard specification and as directed by TPIPL.	30 (8)	1 Sqm. (One Sqm)			
	407.00	a. For Column footings, plinth beam, Grade beam, Raft beam, Raft slab etc.,					
9	221.00	Plastering with CM 1:5 (One of cement and five of sand) 12mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding, etc., complete in all respects and complying with relevant standard specifications.	13, 56 and 57	1 Sqm. (One Sqm)			
10	144.00	Plastering the top of flooring in CM 1:4 (One of cement and four of sand) 20mm thick including surface rendered smooth including providing proper slopes, thread lining, curing and 150mm wide skirting all-round with the same cement mortar etc., complete in all respects.	13, 56 and 57	1 Sqm. (One Sqm)			
11	22.20	Supplying, fabricating and placing in position of Mild steel Grills / Ribbed Tor Steels for reinforcement for all floors including cost of binding wire, bending tying etc., all complete and as directed by TPIPL officers.	30 & 86	1 MT (One Mt)			
	B.	Super Structure - Pre-Fabricated PUF Insulated Structure					

S.No.	Qty	Description of work	T.N.B.P Specification Number	Unit	Rate	Amount (Rs.)
1	2	3	4	5	6	7
12	1322.50	Roof truss & Purlin made out of tubular section as per design. The Roof cladding shall be done with 30mm thick Sandwich panel having density of 40Kg/CUM. (\pm 2Kgs). Color: Sky blue/Off white.	110	1 Sqm. (One Sqm)		
13	628.36	Outer wall - The insulated wall cladding shall be done with sandwich type panels including supports made out of MS tubular section, 1.6mm thick GI base channel and 1.2mm thick GI top channel for wall panel, 1.6mm thick MS framework for windows and doors, 0.4mm thick PPGI corner flashing as required. The panels shall be made out with 0.35 mm thick Pre coated plain sheets at outer side and inner side of PUF having density of 40 kg/Cu.M. Total thickness of wall panel shall be 50 mm. The panels are joined together by tongue and groove method and placed in the vertical direction. Color: Off white.	Special	1 Sqm. (One Sqm)		
14	628.36	Wall Cladding - Inside wall cladding made up of PVC section of minimum 250 x 6mm thickness with an air gap of minimum 4mm by tongue and groove method using self-tapping screws. Color:Beige	Special	1 Sqm. (One Sqm)		
15	23.00	Windows shall of 2 track Aluminum sliding windows with glass, sunshade and safety MS grills. Size: 1m x 1.2m (Ht.)	Special	1 No (One No)		
16	6.00	Steel Double Door (2100(Ht.)X1925) with vision glass (300x300mm)	Special	1 No (One No)		
17	411.76	Double side partition made up of enamel painted 25 x 50mm MS and GI section with double side paneling of polymeric section of minimum 250 x 6mm thickness with Rockwool insulation for better acoustic insulation. These panels are joined together by tongue and groove method using self-tapping screws. Colour: Beige	Special	1 Sqm. (One Sqm)		

S.No.	Qty	Description of work	T.N.B.P Specification Number	Unit	Rate		Amount (Rs.)
1	2	3	4	5	6		7
18	6.00	Door leaf - Wooden flush door (30mm), Door frame - 1.6mm MS sheet, Enamel painted. Door hardware - SS hinges, Door lock, 40kg Door closer. Size: 2100(Ht.)X950	Special	1 No (One No)			
19	6.00	Door leaf - PVC flush door (30mm), Door frame - 1.6mm MS sheet, Enamel painted. Door hardware - SS hinges, Door lock. Size: 2100(Ht.)X750	Special	1 No (One No)			
20	3.00	Aluminum Louvered Ventilator with Pind Glass	Special	1 No (One No)			
21	1150.00	Frame works made out of GI section designed to fixed to the above roof truss and walls using M6 fasteners of suitable length. False ceiling should be done with polymeric section of 250x6mm with an air gap of minimum 4mm and joined together by tongue and groove using self-tapping screws.	Special	1 Sq.m. (One Sqm)			
23	92.00	Rain water Gutter - 0.47mm thk. GI color coated plain sheet including folding charges and fixing fasteners. 4" PVC down take pipe at every 5-6 metres with PVC elbow, MTA, clamp, screws, etc. MS Clamp made out of 25x6 flat, complete.	107 and Special	1 R.M (One RM)			
24		ELECTRICAL	Special				
a	134.00	2'X2' LED light fitting 36W		1 No (One No)			
b	28.00	LED Batten light 40W		1 No (One No)			
c	3.00	LED Batten light 18W		1 No (One No)			
d	24.00	LED Down light		1 No (One No)			

S.No.	Qty	Description of work	T.N.B.P Specification Number	Unit	Rate	Amount (Rs.)	
1	2	3	4	5	6	7	
e	3.00	LED 7W lamp		1 No (One No)			
f	6.00	20A AC Point		1 No (One No)			
g	122.00	Ceiling fan 1200mm		1 No (One No)			
h	65.00	5 Amps Points (RP)		1 No (One No)			
i	35.00	15 Amps points Single ph		1 No (One No)			
j	3.00	7 Segment DB With RCCB		1 No (One No)			
k	1.00	Incoming cable for DB with cable tray		1 No (One No)			
l	2.00	Pipe earthing with GI cable/flat		1 No (One No)			
25		PLUMBING		Special			
a	3.00	EWC with Accessories			1 No (One No)		
b	6.00	Wash basin with accessories	1 No (One No)				
c	3.00	Tap	1 No (One No)				

S.No.	Qty	Description of work	T.N.B.P Specification Number	Unit	Rate		Amount (Rs.)
1	2	3	4	5	6		7
d	3.00	3/4" UPVC Ball valve		1 No (One No)			
e	1.00	1000 ltr Water Tank with 4mtr MS Stand		1 No (One No)			
f	18.00	3/4" UPvc Pipe in Mtr		1 Mtr (One Mtr)			
g	24.00	1 1/4" UPvc Pipe in Mtr		1 Mtr (One Mtr)			
h	24.00	2 1/2" Pvc Pipe in Mtr		1 Mtr (One Mtr)			
i	18.00	4" Pvc Pipe in Mtr		1 Mtr (One Mtr)			
26		IT NETWORK DATA & VOICE	Special	1 Mtr (One Mtr)			
a	450.00	Cat 6 UTP cable (Approx Qty)		1 Mtr (One Mtr)			
b	15.00	Cat 6 Information Outlet(DATA 1 & Voice 1)		1 No (One No)			
c	7.00	Dual Face Plate with back Box (Approx Qty)		1 No (One No)			
d	1.00	Single Face Plate with back Box (Approx Qty)		1 No (One No)			

S.No.	Qty	Description of work	T.N.B.P Specification Number	Unit	Rate		Amount (Rs.)
1	2	3	4	5	6		7
e	1.00	2.5, 4 Sq.mm Ferrule 0-9		1 No (One No)			
f	2.00	Cable Tie 150, 200.300		1 Pkt (One Pkt)			
g	15.00	Patch cord(2M)		1 No (One No)			
h	30.00	Patch cord(1M)		1 No (One No)			
i	1.00	9 U Rack With accessories		1 No (One No)			
j	1.00	Patch panel (24 port)		1 No (One No)			
k	1.00	Cable Manager		1 No (One No)			
l	10.00	Raiser cable 25 pair (Unarmoured - Approx Qty)		1 Mtr (One Mtr)			
m	1.00	50 pair MDF		1 No (One No)			
n	6.00	200MM*200MM Ms Junction Box (Approx Qty)		1 No (One No)			
o	150.00	1.5"PVC Pipe (Approx Qty)		1 Mtr (One Mtr)			
p	15.00	Testing and Numbering		1 No (One No)			

S.No.	Qty	Description of work	T.N.B.P Specification Number	Unit	Rate	Amount (Rs.)
1	2	3	4	5	6	7
q	1.00	Accessories		1 LOT (One Lot)		
27		ADDRESSABLE FIRE DETECTION AND ALARM SYSTEM	Special			
a	1.00	Addressable intelligent Single - Loop Fire Alarm Control panel		1 No (One No)		
b	64.00	Addressable Smoke detector with base		1 No (One No)		
c	1.00	Addressable Heat detector with base		1 No (One No)		
d	32.00	Response indicator for all detectors located above false ceiling		1 No (One No)		
e	5.00	Loop Powered Addressable Hooter		1 No (One No)		
f	1.00	Input/Output module		1 No (One No)		
g	5.00	Addressable Single action Manual pull station		1 No (One No)		
h	500.00	Supplying, installing, testing and commissioning of 2 core of 1.5 sq. mm, Armored insulated copper wires confirming to standards. (Approx Qty)		1 Mtr (One Mtr)		
i	4.00	Isolator		1 No (One No)		

S.No.	Qty	Description of work	T.N.B.P Specification Number	Unit	Rate		Amount (Rs.)
1	2	3	4	5	6		7
j	1.00	Accessories		1 LOT (One Lot)			
k	2.00	12 V 7AH Battery		1 No (One No)			
l	5.00	MCP Sticker		1 No (One No)			
28		Fire Extinguisher	Special				
a	6.00	Dry 4Kg		1 No (One No)			
b	2.00	Co2 4.5Kg		1 No (One No)			
c	8.00	Extinguisher Sticker		1 No (One No)			
Total Rs.in Figure							
Total Rs.in Words							

5. BoQ for Technology Center, Training Center and Administrative Block - Furniture

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
1	2	Charges for supply of Training Table, made up of 25mm thick pre laminated exterior grade particle board confirming IS.12823, for the table top and 18mm for the modesty, legs, CPU, keyboard, drawer and cupboard. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, legs, drawer and door and 0.5mm thick PVC for all the visible edges. the Table has the provision for one drawer and one cupboard with telescopic channel for the drawer and keyboard , including all necessary accessories for fixing. Size:W 1200 x D 600 x H 750.	Special	1 No (One No)			
2	96	Charges for supply of Training Chair, Made up of 25 mm thick 18 gauge MS pipe for the frame and 12mm thick hot press molded ply for the seat and back, with 40 density molded foam for seat and back upholster with desire fabric, PU arm rest with special design front and back movement with flip type writing pad mechanism with 18mm thick ISI make MR grade plywood laminated with .8mm thick pasted with 50 ton press to get uniform surface. All the cutting edges are sealed with 2mm thick PVC edge banding. All the raw parts are coated with 60 to 70 micron 7 tank process powder coating including all necessary for fixing.	Special	1 No (One No)			
3	1	Charges for supply of Board Room Table, Made up of 36mm thick pre laminated exterior grade particle board confirming IS.12823, for the Table Top, Legs and 18mm for the Double modesty. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, legs, and .5mm thick PVC for all the visible edges. The Table has the provision for electrical manual opening POP up box (4nos) including all necessary accessories for fixing. size: W 4200 x D 1200 x H 750.	Special	1 No (One No)			
4	1	Charges for supply of Board Room Table, Made up of 36mm thick pre laminated exterior grade particle board confirming IS.12823, for the Table Top, Legs and 18mm for the Double modesty, 8mm thick smoked glass in the middle, All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, legs, and .5mm thick PVC for all the visible edges. The Table has the provision for electrical manual opening POP up box (4nos) including all necessary accessories for fixing. size: W 3000 x D 1200 x H 750.	Special	1 No (One No)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
5	1	Charges for supply of Reception Table "L", Made up of 25mm thick pre laminated exterior grade particle board confirming IS.12823, for the table top, modesty, legs, 18mm thick for the CPU, keyboard, drawer and cupboard. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, legs, drawer and door and 0.5mm thick PVC for all the visible edges. The Table has the provision for one drawer and one cupboard with telescopic channel for the drawer and keyboard, including all necessary accessories for fixing. Size: W 2400 x D 1800 x H 750/1050.	Special	1 No (One No)			
6	4	Charges for supplying and fixing of Reception Sofa 3- seater, made up of silver wood frame work with 40 density PU molded foam for the seat and back upholstered with artificial leather. Including all necessary accessory for fixing. (as per the design)	Special	1 No (One No)			
7	4	Charges for supply of Teak Wood Center Table , Made up of 50 x 50 mm square leg and 50 x 35mm thick cross support , 8mm thick glass, all the raw parts are coated with PU polish size:W 900 x d 450 x H 450. (as per the design)	Special	1 No (One No)			
8	7	Charges for supply of Teak Wood Corner Table , Made up of 50 x 50 mm square leg and 50 x 35mm thick cross support , 8mm thick glass, all the raw parts are coated with PU polish size:W 500 x D 500 x H 450. (as per the design)	Special	1 No (One No)			
9	8	Charges for supply of Four seater foldable dining table, Made up of 1mm thick SS 304 grade sheet back with 18mm thick ISI BWR plywood for the top and 50mm round 18 gauge SS 304 pipe for the leg and 35mm round pipe for the side support special design swivel mechanism for the seating. .8mm thick SS 304 grade seat with 25mm plywood backing fixed in the swivel mechanism. All the parts are properly tick welded and polished including all necessary accessories for fixing. size:W 1200 x D 900 x H 750.	Special	1 No (One No)			
10	636	Charges for supplying and fixing of modular workstation 76mm Tile base PARTITION, Made up of special design 1.2mm thick aluminum section for the vertical, horizontal, raceway, and top cover, all the parts are coated with 60 to 70 micron powder coating. 9mm thick pre laminated exterior grade particle board confirming IS.12823 for the mounting tiles and 8mm thick MDF upholstered with desire fabric for the fabric tile. 4mm thick Saint Gobain marker Glass single race way in the bottom to run the cables including all necessary for fixing size: H 1200.	Special	1 Sqft (One Sqft)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
11	400	Charges for supply of workstation Table Top, made up of 25mm thick pre laminated exterior grade particle board confirming IS.12823, All the cutting edges are duly sealed with 2mm thick PVC edge banding. PVC cable manager cap, including all necessary for fixing. size:W 1500 x 1500 x D 600 x T 25mm	Special	1 Sqft (One Sqft)			
12	16	Charges for supply of WORSTATION MOBILE DRAWER, made up of 25mm thick pre laminated exterior grade particle board confirming IS.12823, for the table top and 18mm for the legs, drawer. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top drawer fascia and 0.5mm thick PVC for all the visible edges. Telescopic channel for the drawer with set lock, including all necessary accessories for fixing. Size:w 400 x D 450 x H 625.	Special	1 No (One No)			
13	45	Charges for supply of LOW HEIGHT STORAGE, made up of 25mm thick pre laminated exterior grade particle board confirming IS.12823, for the table top and 18mm for the modesty, legs, doors, 9mm thick for the back board. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, legs, door and 0.5mm thick PVC for all the visible edges. The Table has the provision for one drawer and one cupboard with telescopic channel for the drawer and keyboard, including all necessary accessories for fixing. Size:w 1800 x D 450 x H 750.	Special	1 Sqft (One Sqft)			
14	3	Charges for supply of CABIN TABLE, made up of 25mm thick pre laminated exterior grade particle board confirming IS.12823, for the table top and 18mm for the modesty, legs, CPU, keyboard, drawer and cupboard. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, legs, drawer and door and 0.5mm thick PVC for all the visible edges. The Table has the provision for one drawer and one cupboard with telescopic channel for the drawer and keyboard, including all necessary accessories for fixing. Size:W 1500 x D 600 x H 750. / side Table: W 900 x D 450 x H 750.	Special	1 No (One No)			
15	38	Charges for supplying and fixing of Conference Chair/ Visitor chair, Made up of 25mm round 14 gauge MS pipe for the "S" type leg, and 12mm thick hot pressed molded ply with 40 density molded PU foam upholstered with fabric for the seat , for the back single piece Nylon / ABS back with nylon netted fabric. P.P. arm rest, including all necessary accessories for fixing.	Special	1 No (One No)			

S.No	Qty	Description of work	T.N.B.P. Specification Number	Unit	Rate		Amount (Rs.)
					Rs.in.Figure	Rs.in Words	
1	2	3	4	5	6		7
16	7	Charges for supplying and fixing of Conference high back Chair, Made up of 25mm round 14 gauge MS pipe for the "S" type leg, and 12mm thick hot pressed molded ply with 40 density molded PU foam upholstered with fabric for the seat, for the back single piece Nylon / ABS back with nylon netted fabric. P.P. arm rest, including all necessary accessories for fixing.	Special	1 No (One No)			
17	16	Charges for supplying and fixing of WORKSTATION CHAIR, Made up of 25mm round 14 gauge MS pipe for the "S" type leg, and 12mm thick hot pressed molded ply with 40 density molded PU foam upholstered with fabric for the seat, for the back single piece Nylon / ABS back with nylon netted fabric. P.P. arm rest, including all necessary accessories for fixing.	Special	1 No (One No)			
18	800	Charges for supply of Documentation room cupboard, made up of 18mm thick pre laminated exterior grade particle board confirming 12823, for the top, legs, horizontal self 9mm thick for the back. All the cutting edges are duly sealed with 2mm thick PVC edge banding for the top, shelf and 0.5mm thick PVC for all the visible edges, including all necessary accessories for fixing. Size:W 900 x D 400 x H 2400. (33 nos)	Special	1 Sqft (One Sqft)			
19	19	Charges for supplying and fixing of store room slotted angle rack , Made up of 14 gauge angle with 18 gauge CRC sheet for the shelf duly powder coated with 60 to 70 micron, including all necessary for fixing. Size:W 900 x D 450 x H 1800.	Special	1 No (One No)			
Total Rs.in Figure							
Total Rs.in Words							