



Tamil Nadu Police Housing Corporation Limited
(A Government of Tamil Nadu Undertaking)
(An ISO 9001: 2015 Certified Company)
No. 132, E. V. R. Salai, Kilpauk, Chennai – 600 010



Lr. No. CE/Plg/TN-CO-OPTEX/2023

Dated: 07.12.2023

To

The Managing Director,
The Tamil Nadu Handloom Weavers' Co-operative Society Ltd,
Co-optex Head Office, Balasundram Building,
No. 350, Pantheon Road, Egmore,
Chennai – 600 008.

Sir,

Sub: TNP HC Ltd – HO – Plg – Renovation of Kolam Marketing complex at
Mount road in Chennai city - Estimate proposal – Furnished – Approval
requested - Regarding.

Ref: The Managing Director/TNHW COS, Lr.Rc.No.1/Q/3364-Executive
Agency/2023-24/23, Dated: 06.09.2023.

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The Managing Director/TNHW COS, has requested to furnish the estimate
proposal for Renovation of Kolam Marketing complex at Mount road in Chennai
city.

2. Accordingly, the estimate is prepared based on the PWD SR 2023-24
rates. The estimate value works out to ₹ 1,05,00,000/- including GST @ 18%,
Labour Welfare Fund at 1%, Contingencies @ 2.5%, Supervision charges @ 7.5%
and overhead charges.

3. It is informed that the Tamil Nadu Police Housing Corporation will execute
the work with the supervision charges @ 7.5%.

4. Hence, it is requested that the above estimate proposal may approved and communicated to this office for taking further necessary action in this regard.

Encl: As above.


Chief Engineer

7/12/23

TAMIL NADU POLICE HOUSING CORPORATION LIMITED**Name of Work : Renovation of Co-optex building at Mount Road in Chennai City****GENERAL ABSTRACT**

SL. No.	Description	Rate	Amount
	BUILDING WORKS	AS PER PWD SR 2023-24	
1	Ceiling ,Wall,Cupboard and shutters	1989006.66	1989006.66
2	Furniture table arrangements	396056.64	396056.64
3	Electrical works	886754.25	886754.25
4	Plumbing works	23065.99	23065.99
5	AC arrangements	530295.00	530295.00
6	Fire Fighting works	150267.00	150267.00
7	4 Person lifts (Stilt+4)	1359361.46	1359361.46
8	Structural Glazing & Lift granite wall cladding	301346.11	301346.11
9	Internal and external painting works and other civil works	439632.28	439632.28
10	CCTV and PA system	127465.00	127465.00
11	FF Front open area closing works	132526.54	132526.54
12	Provision for Front Elevation works	1600000.00	1600000.00
13	Numbering & lettering	200000.00	200000.00
14	Provision for MS staircase	77000.00	77000.00
	SUB - TOTAL - I Rs.		8212776.93
15	GST at 18 % (GST at 9% + CGST 9%)		1478299.85
	SUB - TOTAL - IV Rs.		9691076.78
16	Labour Welfare fund @ 1.0%	As pr PWD Norms	82127.77
17	Supervision Charges @ 7.5%	As pr PWD Norms	615958.27
18	GST at 18 % for Supervision chagres		110872.49
	GRAND TOTAL Rs.		10500035.31
	Say RS.		105.00 Lakhs

Signature
Chief Engineer
Tamilnadu Police Housing Corporation Ltd.
Chennai - 600 010.

7/12/23

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

Name of Work: Renovation of Co-optex building at Mount Road in Chennai City

Abstract-Ceiling & Wall works

SL. No	QTY	Description of work	Rate	Unit	Amount
1	199.10	Providing wall panelling using 12 mm BWP plywood over 2"x1" aluminium channel to be fixed on wall over which laminated sheet of 1 mm thick fixed inside the shutter and other materials to be used shall be got approved by the Executive Engineer concerned before use on work etc., complete.	3044.15	Sqm	606090.76
2	11.60	Providing wall partition using 12 mm BWP plywood Both sides of the partition over 2"x1" aluminium channel to be fixed over floor and fixing laminated sheet of 1 mm thick fixed inside the shutter and 1mm thick fixed in the outside of the shutter and other materials to be used shall be got approved by the Executive Engineer concerned before use on work etc., complete.	5023.53	Sqm	58272.89
3	92.70	Providing Cup-board side wall with frame using termite / water proof plywood of 18 mm thick over which laminated sheet of 1 mm thick fixed inside the shutter and 1mm thick fixed in the outside of the shutter using fevicol along with necessary furniture fittings, such as, hydraulic hinges, tower bolt, handles, multi purpose locks etc.,	3536.22	Sqm	327807.39
4	17.60	Providing 9mm thick plywood Sliding C/B shutter with Two track aluminium frame covering the both side shutter with 1mm thick lamination using fevicol along with necessary furniture fittings, such as, hydraulic hinges, tower bolt, handles, multi purpose locks etc.,	4444.44	Sqm	78222.14
5	12.20	Providing 8mm thick Glass Sliding C/B shutter with Two track aluminium frame covering the both side glass shutter with necessary fittings, such as, hydraulic hinges, tower bolt, handles, multi purpose locks etc.,	3442.63	Sqm	42000.09
6	12.00	Supply and fixing of 12mm toughened glass double door SQM of size 1.2 mx2m with necessary cut-outs and holes along with 80kg Floor Spring package with top patch, bottom patch, handle lock, pivot for max door width of 750mm including labour and transportation charges complete as directed by engineer in charge.	13993.20	Sqm	167918.40
		Quotation			
7	18.00	Supply and fixing of 12mm toughened glass including labour and transportation charges complete as directed by engineer in charge.	10118.16	Sqm	182126.88
		Quotation			
8	25.92	Supply and fixing of 4mm thick plain galss to close the existing window with sealint joint treatment packing for water proffing etc all complete	1294.68	Sqm	33558.11
		Quotation			
9	10.00	Supply and fixing of Saint Gobain 6mm thick Mirror including cost of materials and labour charges in all etc	2500.00	Sqm	25000.00
		Quotation			
10	275.30	Supplying, fabricating, erecting and fixing High Quality ,ornamental Gypsum Board False Ceiling with second layer false ceiling using gypboard , plywood ,wall paper and high quality mica sheet and all other designs 2 coats putty ,one coat of Emulsion paint work with neat finishing including cost of materials and labour charges in all etc as per approved drawing	1700.00	Sqm	468010.00
		Quotation			
Total					1989006.66

TAMIL NADU POLICE HOUSING CORPORATION LIMITED**Name of Work: Renovation of Co-optex building at Mount Road in Chennai City****Abstract-Plumbing works**

SL. No	QTY	Description of work	Rate	Unit	Amount
1	112.00	Providing side wall with frame using termite / water proof plywood of 18 mm thick over which laminated sheet of 1 mm thick fixed inside the shutter and 1mm thick fixed in the outside of the shutter using fevicol along with necessary furniture fittings, such as, hydraulic hinges, tower bolt, handles, multi purpose locks etc.,	3536.22	Sqm	396056.64
Total					396056.64

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

CHENNAI DIVISION-II

Name of Work: Renovation of Co-optex building at Mount Road in Chennai City

Abstract-Electrical works

SL. No	QTY	Description of work	Rate	Unit	Amount
1	144.00	Wirng with 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable with continuous earth by means of 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable confirming to IS 694 / 1980 with ISI mark in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16g thick concealed and covered with 3mm thick laminated hylem sheet for LIGHT POINT WITH CEILING ROSE controlled by 5 amps flush type Modular switch including citcuit mains, cost of all materials, specials, etc., all complete, (open wiring)	960.54	Nos	138317.76
2	2.00	Wirng with 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable with continuous earth by means of 1.5 sqmm copper PVC Insulated unsheathed single core 1.1 KV grade cable confirming to IS 694 / 1980 with ISI mark in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16g thick concealed and covered with 3mm thick laminated hylem sheet for LIGHT POINT WITH OUT CEILING ROSE controlled by 5 amps flush type Modular switch including citcuit mains, cost of all materials, specials, etc., all complete, (open wiring)	963.04	Nos	1926.08
3	10.00	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cablewith ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable with continuous earth by means of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cablewith ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16g Fan point controlled by 5 amps flush type Modular switch including circuit mains, cost of all materials, specials, etc., all complete.	1017.89	Nos	10178.90
4	17.00	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for 5 amps 5 pin plug socket point @ Switch Board Itself.(Modular Switch)	864.50	Nos	14696.50
5	10.00	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cablewith ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable with continuous earth by means of 1.5 sq.mm PVC insulated single core multi strand fire retardant flexible copper cablewith ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 1 No (each) 16g thick concealed and covered sheet for 5 amps. 5 pin plug socket point at convenient places including circuit mains, cost of all materials, specials, etc., all complete.(Modular Switch) (open wiring)	692.96	Nos	6929.60
6	27.00	Supply, assembling and fixing of false ceiling circular 6 " 22 W LED round light fittings for ceiling Higher end includinglabour charges in all etc and as directed by the departmental officers (The entire fitting should be got approved from the Executive Engineer before use)	1000.00	Nos	27000.00
		Quotation			
7	80.00	Supply, assembling and fixing of false ceiling circular 3 " 18 W LED round light fittings for ceiling Higher end includinglabour charges in all etc and as directed by the departmental officers (The entire fitting should be got approved from the Executive Engineer before use)	500.00	Nos	40000.00
		Quotation			

SL. No	QTY	Description of work	Rate	Unit	Amount
8	2.00	Supplying and fixing of 24 LED 4000K 2X2 square type recessed fittings with LED bulb including necessary connections, Labour charges cost of materials etc., all complete (The material should be got approved from the Executive Engineer before use)	2872.00	Nos	5744.00
9	28.00	Supplying and fixing of 4 feet 20 W led tube light fittings with LED bulb including necessary connections, Labour charges cost of materials etc., all complete (The material should be got approved from the Executive Engineer before use)	964.60	Nos	27008.80
10	10.00	Supply and delivery of following Electric Magic and magic plus Ceiling deco fan with lifght etc., complete . (The brand should be got approved from the Executive Engineer before supply made).	7935.00	Nos	79350.00
		Quotation			
11	10.00	Charges for assembling and fixing of ceiling fan of different sweep (to be supplied by the department at free of cost) with necessary interconnection and fixing of fan regulator on the existing board, etc., all complete.	601.00	Nos	6010.00
12	101.00	Run of 2 Wires of 2.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.	233.00	Rmt	23533.00
13	139.40	Run of main with 2 core of 10sqmm copper PVC insulated unsheathed single core 1.1 kv grade cable	391.51	Rmt	54576.49
14	7.00	Supply and fixing of water tight Bulk Head fitting Compact Fluorescent Lamp (LED)	529.00	Nos	3703.00
15		Supply and fixing of LED Bulb			
	9.00	a. 9W bulb for Bath & WC	135.00	Nos	1215.00
		PWD SR 2023-24 Page No.121			
16	4.00	Supply and fixing of triple pole and neutral 6 way / segment 3 tier compartmental type MCB distribution board complete with the following and necessary neutral link, earth connector link etc. with bus bar and double door arrangements on surface / in flush with wall and making good of the concealed portion with earth connection. Incoming: 1 no 100 A TPN MCCB 3 Nos .63A 10KA DP MCCB With 3 Nos of 40A 30 MA DP Outgoing: Outgoing: 18 Nos. 6A/32 SP MCB ., all complete and as directed by the departmental officers.	23335.00	Nos	93340.00
17	1.00	Supply and fixing of triple pole and neutral 4 way 7 segment 3 tier compartmental type MCB distribution board complete with the following and necessary neutral link, earth connector link etc. with bus bar and double door arrangements on surface / in flush with wall and making good of the concealed portion with earth connection. Incoming: 1 no 100 A TPN MCCB 3 Nos .63A 10KA DP MCCB With 3 Nos of 40A 30 MA DP Outgoing: Outgoing: 12 Nos. 6A/32 SP MCB ., all complete and as directed by the departmental officers.	21870.00	Nos	21870.00
18	2.00	Supplying and fixing of 150 watts Metal halide flood light fittings with required accessories screws, bolts, nuts, etc	17739.90	Nos	35479.80
		Electrical SR 2023-24 SD 241			

SL. No	QTY	Description of work	Rate	Unit	Amount
19	1.00	Supply and erection of 125 Amps capacity floor mounting panel board (Cubical type) with bus bar chamber made up of 16 SWG MS sheet for 3 phase 4 wire system with 25mm x 6mm tin coated copper flats for phases and 25mm x 3mm tin coated copper flats for neutral; cable chamber, switch chamber and with 2 Nos. 25mmx3mm tinned copper flat for the earth bus on the rear side of the panel board; necessary interconnections by copper flat of suitable sizes; suitable PVC colour sleeves for the interconnecting copper flats / rigid copper wire; earth connections to all switches / bus bar by copper flats of suitable sizes from the earth bus; hylam sheet separation between bus bar and switches; 1set LED pilot lamps with switches, fuse units, suitable angle iron frame size of 40mmx 40mmx 6mm with powder coated painting over one coat of red primer and with numbering; superscription of cables sizes, capacity of switches etc and incorporating the following: Incoming 1 No.125A TPN 15KA MCCB with all protective deices. Outgoings.1 No 100 TPN 15 KA MCCB with all protective devices. 6 Nos . 63A TPN 15 KA MCCB all protective devices. dummy Provision.1 No	127519.00	No	127519.00
20	16.00	Supply and fixing of 20A DP plug and socket in sheet enclosure with 32A DP MCB in flush with wall with earth connection (For AC Plug)	1858.00	Nos	29728.00
		Electrical SR 2023-24 SD 140			
21	351.80	Run of 2 Wires of 4 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.	272.40	Rmt	95830.32
22	3.00	Supplying and Fixing of LEIGARF or FANDOM brand Centre circle ceiling LED light including cost of the light and labour charges for fixing etc complete as directed by the departmental officers	10000.00	Nos	30000.00
		Quotation			
23	40.00	S &F of LED Strip light including cost of the materials and labour charges for fixing etc complete as directed by the departmental officers	180.00	Rmt	7200.00
		Quotation			
24	2.00	Providing Earthing station using pipe electrode as per IS 3043 using 2.5m of 40mm and 1.0 m of 20mm B-class GI pipe including earth work excavation, brick work in cement mortar and plastering and cost of funnel. GI nuts, bolts, washers, check nuts. GI bend reducer and coupling C.I. cover of 30x30cm and including charcoal of 40 kgs and salt 10 kg etc., all complete.	2799.00	Nos	5598.00
		Electrical SR 2023-24 SD 233			
Total					886754.25

Page	Ref	Section	Text
1	1	1	<p>The first of the three main parts of the book is devoted to a general introduction to the subject of the book. It is divided into three chapters, each of which deals with a different aspect of the subject. The first chapter deals with the history of the subject, the second with the theory, and the third with the practice. The second part of the book is devoted to a detailed discussion of the theory of the subject. It is divided into two chapters, each of which deals with a different aspect of the theory. The first chapter deals with the general theory, and the second with the special theory. The third part of the book is devoted to a detailed discussion of the practice of the subject. It is divided into two chapters, each of which deals with a different aspect of the practice. The first chapter deals with the general practice, and the second with the special practice.</p>
2	2	2	<p>The second of the three main parts of the book is devoted to a detailed discussion of the theory of the subject. It is divided into two chapters, each of which deals with a different aspect of the theory. The first chapter deals with the general theory, and the second with the special theory. The third part of the book is devoted to a detailed discussion of the practice of the subject. It is divided into two chapters, each of which deals with a different aspect of the practice. The first chapter deals with the general practice, and the second with the special practice.</p>
3	3	3	<p>The third of the three main parts of the book is devoted to a detailed discussion of the practice of the subject. It is divided into two chapters, each of which deals with a different aspect of the practice. The first chapter deals with the general practice, and the second with the special practice.</p>
4	4	4	<p>The fourth of the three main parts of the book is devoted to a detailed discussion of the practice of the subject. It is divided into two chapters, each of which deals with a different aspect of the practice. The first chapter deals with the general practice, and the second with the special practice.</p>
5	5	5	<p>The fifth of the three main parts of the book is devoted to a detailed discussion of the practice of the subject. It is divided into two chapters, each of which deals with a different aspect of the practice. The first chapter deals with the general practice, and the second with the special practice.</p>
6	6	6	<p>The sixth of the three main parts of the book is devoted to a detailed discussion of the practice of the subject. It is divided into two chapters, each of which deals with a different aspect of the practice. The first chapter deals with the general practice, and the second with the special practice.</p>
7	7	7	<p>The seventh of the three main parts of the book is devoted to a detailed discussion of the practice of the subject. It is divided into two chapters, each of which deals with a different aspect of the practice. The first chapter deals with the general practice, and the second with the special practice.</p>
8	8	8	<p>The eighth of the three main parts of the book is devoted to a detailed discussion of the practice of the subject. It is divided into two chapters, each of which deals with a different aspect of the practice. The first chapter deals with the general practice, and the second with the special practice.</p>
9	9	9	<p>The ninth of the three main parts of the book is devoted to a detailed discussion of the practice of the subject. It is divided into two chapters, each of which deals with a different aspect of the practice. The first chapter deals with the general practice, and the second with the special practice.</p>
10	10	10	<p>The tenth of the three main parts of the book is devoted to a detailed discussion of the practice of the subject. It is divided into two chapters, each of which deals with a different aspect of the practice. The first chapter deals with the general practice, and the second with the special practice.</p>

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

Name of Work: Renovation of Co-optex building at Mount Road in Chennai City

Abstract-Plumbing works

SL. No	QTY	Description of work	Rate	Unit	Amount
1	2.00	Supply & Fixing of Bevelled edge mirror of approved quality and Special Type Mirror of size 1000 x 780mm including labour for fixing in position etc., complete and as directed by the departmental officers.	2575.00	Nos	5150.00
		PWD SR 2023-24 Page No.56			
2	1.00	Supplying and fixing of Health Faucet approved quality with ISI mark (Health facet shall be got approved from the E.E. before use)	2364.00	Nos	2364.00
3	1.00	Supplying and fixing of E.W.C. colour rate is inclusive of materials, hardware, Transport and Labour etc.,	7880.65	Nos	7880.65
4	2.00	Supplying and fixing of Wash Hand Basin of size 550 x 400 mm rate is inclusive of materials, hardware, Transport and Labour etc.,(White with Pedestal)	3835.67	Nos	7671.34
Total					23065.99

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

Name of Work: Renovation of Co-optex building at Mount Road in Chennai City

Abstract-AC Arrangements

SL. No	QTY	Description of work	Rate	Unit	Amount
1		Supply and fixing of Split Air Conditioner 3 Star Rated with cordless remote including charging for refrigerant gas in the unit etc., all complete as directed by the departmental officers. (The quality and brand should be got approved from EE before use)			
	10.00	b) 2.0 TR Split Type AC Unit 3 Star Rated	44160.00	Nos	441600.00
		PWD SR 2023-24 Page No.153			
2	10.00	Supplying, fixing and commissioning of Supply and installation of 5 KVA capacity Automatic Voltage Stabilizer with time delay relay	4940.00	Nos	49400.00
		PWD SR 2023-24 Page No.154			
3	20.00	Supply and laying of 5/8" and 3/8" copper pipe (Extra beyond 3 metres supplied with AC unit) including cost of materials labour charges for laying, hire charges for tools and plants etc., all complete as directed by the departmental officers.	940.00	Rmt	18800.00
		PWD SR 2023-24 Page No.154			
4	10.00	Supply and fixing of MS stand for fixing outdoor unit including cost of materials labour charges for laying, hire charges for tools and plants etc., all complete as directed by the departmental officers. (The quantity/brand should be got approved from EE before use)	1088.00	Nos	10880.00
		PWD SR 2023-24 Page No.154			
5	150.00	Supply and fixing of water drain pipe line (1" PVC Pipe) including cost of materials labour charges for laying, hire charges for tools and plants etc., all complete as directed by the departmental officers.	64.10	Rmt	9615.00
		PWD SR 2023-24 Page No.154			
Total					530295.00

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

Name of Work: Renovation of Co-optex building at Mount Road in Chennai City

Abstract

SL. No	QTY	Description of work	Rate	Unit	Amount
		Fire Fighting			
1	10.00	Supply, installation, testing and commissioning of Conventional Smoke Detector suitably mounted on ceiling with MS junction box / false ceiling using fixing accessories like screws, plug, clamps, etc., as per standard methods and as directed by the Departmental Officers. (Make: Apollo / Equivalent)	2448.00	Nos	24480.00
		PWD SR 2023-24 page No.85			
2	3.00	Supply, installation, testing and commissioning of Manual Call Point (MCP) providing on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers. (Make: Ravel / Equivalent)	1864.00	Nos	5592.00
		PWD SR 2023-24 page No.86			
3	3.00	Supply, installation, testing and commissioning of Electronic Hooter / Sounder providing on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers (Make: Ravel / Equivalent)	1807.00	Nos	5421.00
		PWD SR 2023-24 page No.86			
4	400.00	Supply and laying of FRLS PVC insulated 2 core 1.5 sq.mm. Armoured Copper Cable on ceiling / wall using fixing accessories like screws, plug, clamps, etc., as per standard methods and as directed by the Departmental Officers.	116.50	Rmt	46600.00
		PWD SR 2023-24 page No.86			
5	1.00	Supply, installation, testing and commissioning of Micro Processor based conventional 4 Zone Fire Alarm Control Panel having the rating of 24 volt DC power supply, consisting 230 / 24 volt SMPS unit, 2 Nos. of 12 volt 7 AH standby batteries, suitably mounted on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers.	52430.00		52430.00
		PWD SR 2023-24 page No.85			
6	3.00	Supply and fixing of stored pressure ABC (Mono Ammonium Phosphate) Powder Type Fire Extinguisher of 6 kg. capacity as per IS:15683 with pressure gauge, discharge hose & control nozzle, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc, complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	5248.00	Nos	15744.00
		PWD SR 2023-24 page No.102			
Total					150267.00

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

CHENNAI DIVISION-II

Name of Work: Renovation of Co-optex building at Mount Road in Chennai City

Abstract- LIFT

SL. No	QTY	Description of work	Rate	Unit	Amount
		Lift			
1	1.00	Design, Supply, Delivery, Installation, Testing, and Commissioning of Passenger Lift of capacity 4 Persons / 408 Kgs with 4 Floors / 5 Stops 6 S/O cabin / STAINLESS STEEL HAIRLINE FINISH, car & landing glass door with frame in STAINLESS STEEL HAIRLINE FINISH in all etc	1302000.00	Nos	1302000.00
		Quotation			
2	2.00	Providing Earthing station using pipe electrode as per IS 3043 using 2.5m of 40mm and 1.0 m of 20mm B-class GI pipe including earth work excavation, brick work in cement mortar and plastering and cost of funnel. GI nuts, bolts, washers, check nuts. GI bend reducer and coupling C.I. cover of 30x30cm and including charcoal of 40 kgs and salt 10 kg etc., all complete.	2997.60	Nos	5995.20
		Data			
3	42.80	Supply and run of 2 of No.8 copper wire for earth connections to the individual tenements from the earth bus.	157.00	Rmt	6719.60
4		Supplying, Fixing and testing and commissioning of MCB in a sheet steel enclosure with earth connection on surface / recess including interconnection, painting etc. as required (The enclosure size shall be suitable for receiving the incoming and outgoing cable directly).			
	2.00	a. 40 A TPN 10 kA MCB	1517.33	Nos	3034.66
5		Supply and Fixing of UG cables on Walls / Ceiling , Charges for conveying and fixing of UG cables of sizes 4 to 25 Sqmm of 2, 3,3.5 and 4 core with necessary MS clamps, brass screws including cost of all materials redoing the dismantled portion, etc., all complete.			
	68.00	a) 3.5 Core 25 Sqmm Cable	560.00	Rmt	38080.00
		Electrical SR 2023-24 SD 204			
6		Supply and fixing the following Aluminium Crimping Lugs suitable for the UG cable etc to complete.			
	8.00	b) 3.5 Core 25 Sqmm Cable crimping lugs	335.00	Nos	2680.00
7		Supply and fixing the following Aluminium Cable Gland suitable for the UG cable etc to complete.			
	2.00	b) 3.5 Core 25 Sqmm Cable gland	426.00	Nos	852.00
		Electrical SR 2023-24 SD 186			
Total					1359361.46

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

Name of Work: Renovation of Co-optex building at Mount Road in Chennai City

Abstract-structural design , Lift wall cladding

SL. No	QTY	Description of work	Rate	Unit	Amount
1	38.80	<p>Structural Glazing: Providing and fixing structural glazing fabricated from roll formed sections made of galvanized steel colour coated Base steel as per IS 513 of 'D' quality, galvanized as per IS 277 with Zinc of 120 grams / sqm.) with total coated thickness of 0.72mm. The glass holding section made of 304 grade SS of 0.6mm thick. Galvanized steel sections are to be used as stiffeners inside the colour coated steel / powder coated sections as per the design requirement. Design calculations are made to suit wind pressures as given in IS 875. Paint specifications: Primer coat with epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns or powder coated with pure polyester powder upto 50-60 microns thick. Dimensions: The section should be of 37 x 53mm for frame vertical, 37 x 53mm for frame horizontal section and section for reinforcement should be of 31 x 55mm. glass holding section should be of 37 x 37mm for top and bottom grids in between should be of 37 x 18mm. Accessories: Brackets made of CRCA powder coated / electro plated should be used to fix vertical at top and bottom and vertical to slab as per site requirement. Polyurethane brackets should be used to connect horizontal section to vertical sections. Silicone: Natural cure, with good UV resistance to be used. The above frame should be fixed to brick / concrete masonry by using nylon self-expanding cap and driving MS electro plated 80mm long screws into the caps through frames. Glass: 5mm reflective Saint Gobain OR equivalent.</p>	5870.00	Sqm	227756.00
		PWD SR 2023-24 Page No.68			
2	12.70	<p>Providing and fixing of Aluminium Composite Panel (ACP) 4 sided having 50 x 25 x 1.50mm frame work vertical and horizontals out of specially designed extruded sections withstand wind pressure of 180 Kg/sq.m and fabricated fixed at all level elevation and heights. The extruded section cutting and fixing required space extruded section shall be of 6063 and alloy of BSH 9 confirming T is - 63400 rate shall included to fix the main frame with necessary clamps, fasteners, bolt nuts etc. The main frame of extruded section shall be of 22843 & 22739 (H9) grade conforming to BS 4174 (or) IS 8147. Rate shall included 4mm thick ACP sheet (0.25 + 3.5 + 0.25) alstrong or equivalent fixing with spacer tape and the ACP sheet bounded with special type structural sealant of dow corning 789 or equivalent in dust free conditions the gaps between ACP sheet to be filed with whether sealant and backer rod or 12mm foam sheet to ensure water and air tightness in all complete complying with standard specification as directed by the departmental officer</p>	4836.00	Sqm	61417.20
		PWD SR 2023-24 Page No.63			
3	6.60	<p>Suppy and laying of granite tile of 10mm thick (wall cladding) in CM 1:2 10mm thick incl. cost of materials , labours etc.,all including (Rupy Red) in all etc complete</p>	1844.38	Sqm	12172.91
Total					301346.11

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

Name of Work: Renovation of Co-optex building at Mount Road in Chennai City

Abstract- Painting work

SL. No	QTY	Description of work	Rate	Unit	Amount
1	304.10	Painting the New walls with two coats of 1st class ready mixed interior emulsion paint of best approved quality colour and shade including a primer coat etc	248.97	Sqm	75711.78
2	1323.60	Painting the New walls with two coats of 1st class ready mixed Exterior emulsion paint of best approved quality colour and shade including a primer coat etc	250.52	Sqm	331588.27
3		Brick work in Cement Mortar 1:6 (One of cement and six of sand) using Chamber burnt bricks of size 9"x4½X3" (23x11.4x7.5cm) for super structure in the following floors including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying with relevant standard specifications and drawings.			
	3.20	b) FF	7112.45	Cum	22759.84
	0.30	C) SF	7287.57	Cum	2186.27
4	27.00	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.	273.56	Nos	7386.12
Total					439632.28

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

Name of Work: Renovation of Co-optex building at Mount Road in Chennai City

Abstract- CCTV

SL. No	QTY	Description of work	Rate	Unit	Amount
1	147.00	PVC 20 MM CONDUIT CHANNELS category 6 unshielded Twisted channel performance in a 4 connector configuration upto 100 metres and meets ANSI/T/A-568 C2 category 6 and ISO 11801 Class E standards at upto 250 MHZ. The 4 pair Unshielded Twisted Pair cable shall be ETL Verified to ANSI/TIA 568-C2, Construction: 4 twisted pairs separated by internal x shaped, full separator. Conductor dia: 24AWG, Insulation: POLYETHYLENE, Outer sheath: LSZHGREY. SINGLE SHEATH, Temperature Rating-20 degree Celsius to +70 degree Celsius. PoE compliance: Meet IEEE 802.3af and IEEE 802.3 at for PoE applications including labour charges, material etc,. complete in all respects complying with relevant standard specifications and as directed by the Departmental officers.	45.00	Rmt	6615.00
		Quotation			
2	10.00	Supplying and fixing of VIDEO BALUN: Compatible with AHD/HDCVI/HDTV Transmission Signal: 720p/1080P Cable: CAT 5/5e/6 Transmission Distance to 300M for CVI/AHD, 200M for TVI No Power Required Built-in Surge & Transient Protection Super Interference Rejection Coaxial Video Connector: BNC Anti-Interference: >60db including labour charges, material etc,. complete in all respects complying with relevant standard specifications and as directed by the Departmental officers.	575.00	Nos	5750.00
		Quotation			
3	10.00	Supplying and Installation of DC Power Connector including labour charges, material etc,. complete in all respects complying with relevant standard specifications and as directed by the Departmental officers.	85.00	Nos	850.00
		Quotation			
4	10.00	Supplying and fixing of CCTV High definition HD camera and technologies 3 Mega pixel day and night camera bullet H.265 CODIN, 3D DNR, WDR, HLC, BLC, DEFOG, 20-30 M IR night view distance, DC 12 volt, IP 67 ingress protection, including labour charges, material etc,. complete in all respects complying with relevant standard specifications and as directed by the Departmental officers.	3850.00	Nos	38500.00
		Quotation			
5	50.00	Supplying and laying of PA System - Speaker cable 2 core high quality speaker cable 14 AWG x 2 core high flex stage. With cable laying including labour charges, material etc,. complete in all respects complying with relevant standard specifications and as directed by the departmental officers.	75.00	Rmt	3750.00
		Quotation			

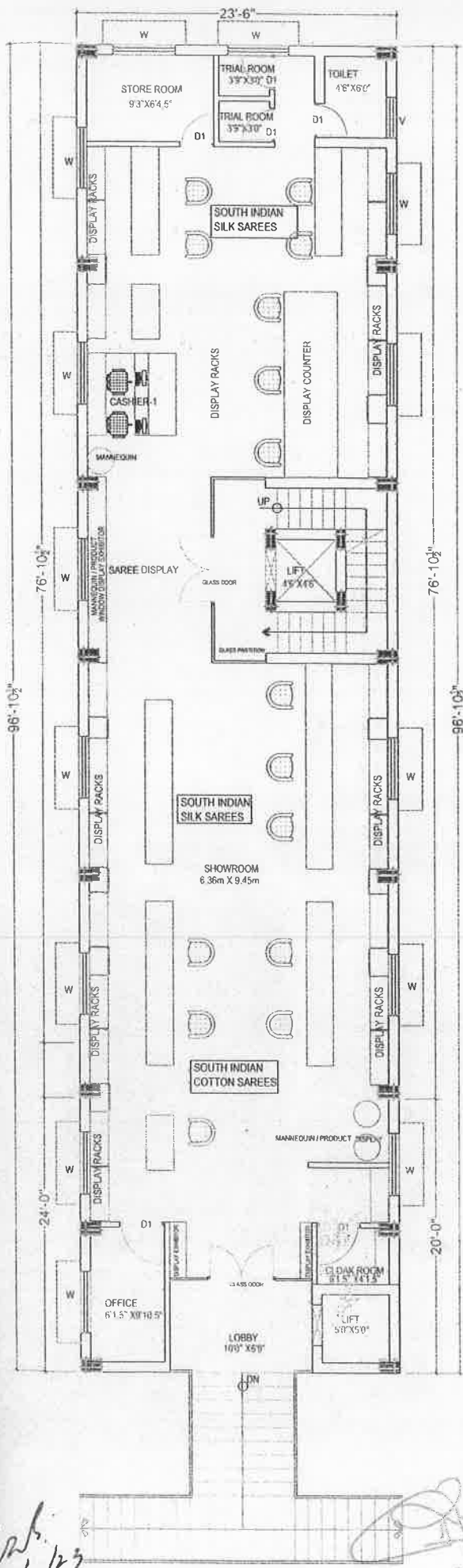
SL. No	QTY	Description of work	Rate	Unit	Amount
6	4.00	Supplying and fixing 8" speaker of including cost of materials and necessary fittings, loading and unloading including labour charges in all etc	3000.00	Nos	12000.00
		Quotation			
7	1.00	Supply and fixing of 55" size LED HD monitor including cost of materials and necessary fittings, mouse, cables arrangements , DC connectors , loading and unloading including labour charges in all etc	60000.00	No	60000.00
		Quotation			
Total					127465.00

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

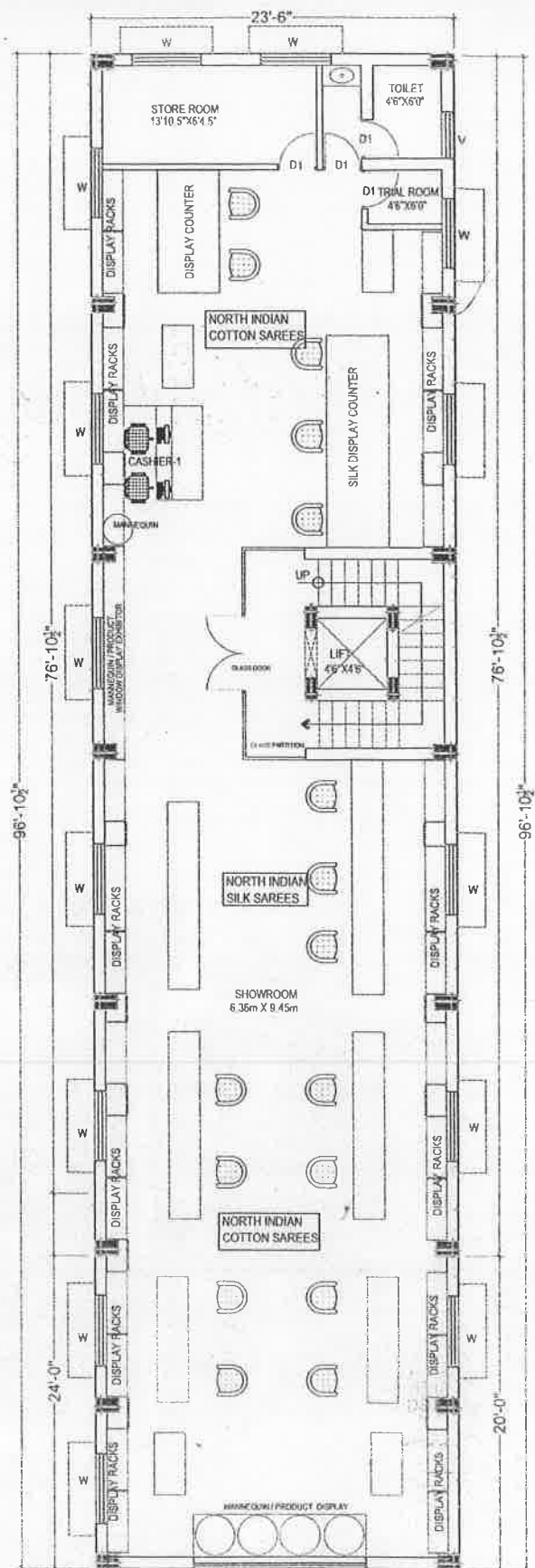
Name of Work: Renovation of Co-optex building at Mount Road in Chennai City

Abstract- Open area closed

SL. No	QTY	Description of work	Rate	Unit	Amount
1	1015.00	Supplying and fixing of MS flooring and MS box angle fixing including materail cost and labourr charges in all etc	113.00	Kg	114695.00
2	11.40	Supplying and laying of Nano polished vertified tiles of size 600x600x8mm thick in all etc	1564.17	Sqm	17831.54
Total					132526.54



FIRST FLOOR PLAN



EXECUTIVE ENGINEER
CHENNAI DIVISION - II
T.N.P.H.C Ltd
Avadi Chennai - 600054.

PROJECT: CO-OPTEX BUILDING AT MOUNT ROAD, CHENNAI.

CLIENT: CO-OPTEX

DRAWING TITLE: FLOOR PLAN

DATE: 19.07.2023

SCALE TO FIT



DESIGN CUBE

Architectural & Engineering
Services
10/10, 10/10, 10/10
Chennai - 600054
T.N. 4212191





architecture
interior designs
landscape designs

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INTERIOR DESIGN FOR CO - OPTEX AT MOUNT ROAD, CHENNAI.

FIRST FLOOR SOUTH INDIAN COTTON SAREES



architecture
interior designs
landscape designs

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INTERIOR DESIGN FOR CO - OPTEX AT MOUNT ROAD, CHENNAI.

FIRST FLOOR SOUTH INDIAN SILK SAREES



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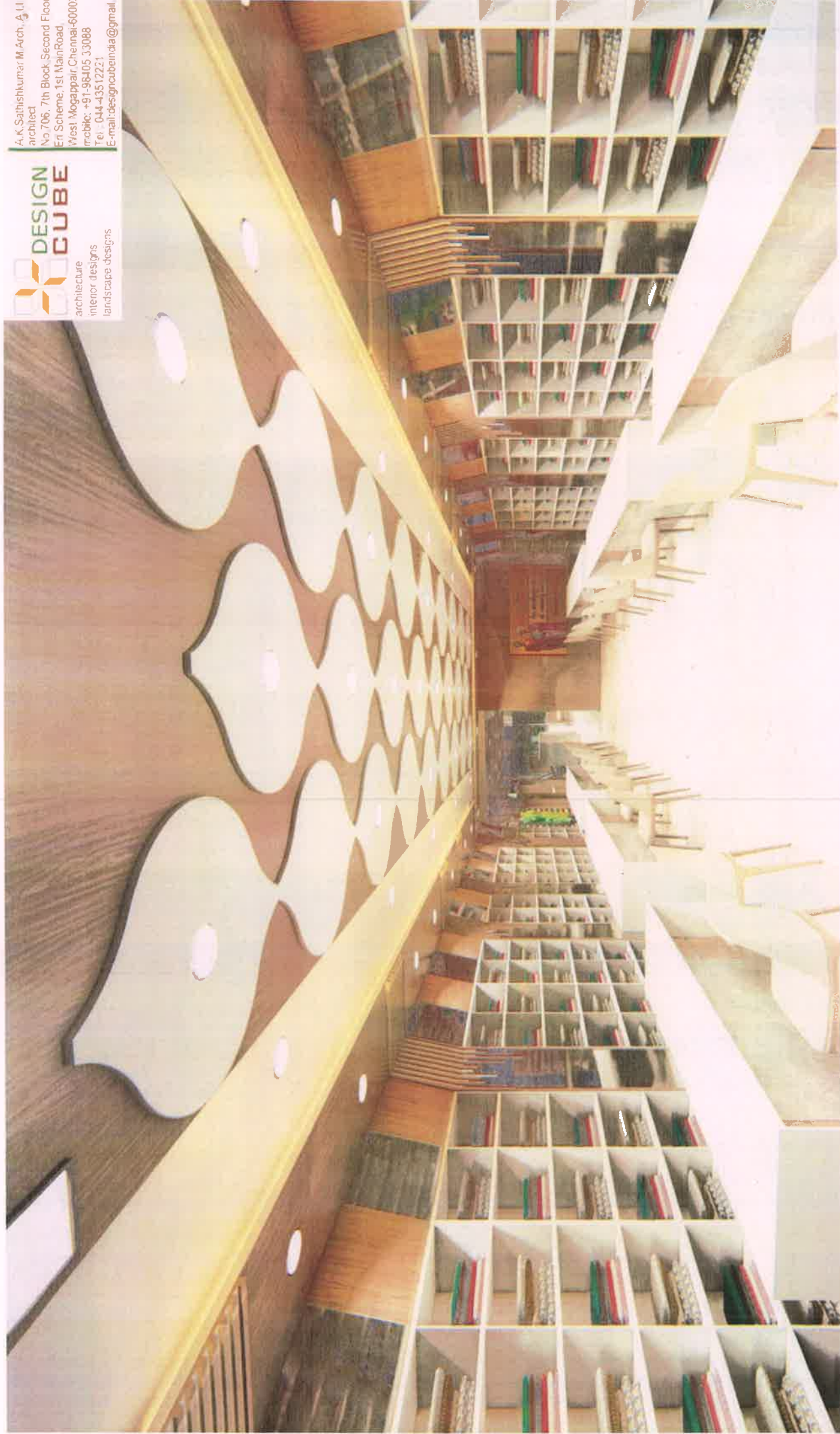


architecture
interior designs
landscape designs

INTERIOR DESIGN FOR CO - OPTEX AT MOUNT ROAD, CHENNAI.

FIRST FLOOR SOUTH INDIAN SILK SAREES

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INTERIOR DESIGN FOR CO - OPTEX AT MOUNT ROAD, CHENNAI.

SECOND FLOOR NORTH INDIAN COTTON SAREES



INTERIOR DESIGN FOR CO - OPTEX AT MOUNT ROAD, CHENNAI.

SECOND FLOOR NORTH INDIAN COTTON SAREES

