



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/Model School/2023

Dated: 08.11.2023

To

The Member Scretary,
Tamil Nadu Model Schools,
Perasiriyar Anbazhahan Kalvi Valaham,
Chennai – 600 006.

Sir,

Sub: TNPHC Ltd – HO – Plg – Setting up of studio room for Center of academic excellence at center of excellence premises, Tamil Nadu Model School at Saidapet in Chennai city - Estimate proposal and willingness – Furnished – Approval requested - Regarding.

Ref: The Member Secretary, Tamil Nadu Model Schools,
Lr.No.829/G1/MS/2023, Dated. 25.09.2023.

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The Member Secretary, Tamil Nadu Model Schools, Chennai has requested to furnish the estimate proposal for Setting up of studio room for Center of academic excellence at center of excellence premises, Tamil Nadu Model School at Saidapet in Chennai city.

2. Accordingly, the estimate is prepared based on the PWD SR 2023-24 rates. The estimate value works out to ₹ **2,06,00,000/-** 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 is willing to execute the work with the supervision charges @ 7.5%.

4. The total estimate value shall be deposited to the TNPHC before commencement of the work.

5. The payment shall be released in the form of crossed Cheque or Demand Draft in favour of "Tamil Nadu Police Housing Corporation Limited".

6. Hence, it is requested that your acceptance may be communicated to us for taking further necessary action in this regard.

Encl: As above.


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6/11/23
Chief Engineer

TAMIL NADU POLICE HOUSING CORPORATION

GENERAL ABSTRACT

NAME OF THE WORK : Setting up of studio room for center of academic excellence at center of excellence premises, Tamil Nadu model school, Saidapet in Chennai city

Sl.No	Qty	Description	Rate	Unit	Amount
		BUILDING WORKS	AS PER PWD SR 2023-2024		
1	1.00	Civil works	1227759.94	Each	1227759.94
2	1.00	Sound-Proofing & Acoustic Treatment	4083424.87	Each	4083424.87
3	1.00	Production control room (PCR) – 4k solution	2577673.50	Each	2577673.50
4	1.00	Providing Shooting studio floor Equipment	3568429.76	Each	3568429.76
5	1.00	Providing Indoor Lights for Studio	3601912.70	Each	3601912.70
6	1.00	Providing 20 KVA DG set & 10KVA Ups	702732.05	Each	702732.05
		SUB - TOTAL - I Rs.			15761932.82
7		GST at 18.0% (GST at 9% + CGST 9%)			2837147.91
		SUB - TOTAL - III Rs.			18599080.73
8		Labour Welfare fund @ 1%	As pr PWD Norms		157619.33
9		Unforeseen, contingencies & PS charges @2.5 %	As pr PWD Norms		394048.32
10		Supervision Charges @ 7.5%	As pr PWD Norms		1182144.96
11		GST at 18.0% for Supervision Charges @ 7.5%			212786.09
		SUB - TOTAL - V Rs.			20545679.43
12		Advertisement charges	LS		50000.00
		GRAND TOTAL Rs.			20595679.43
			Say		206.00lakhs

Chief Engineer

Tamilnadu Police Housing Corporation Ltd
Chennai - 600 010

NAME OF WORK:- Setting up of studio room for center of academic excellence at center of excellence premises, Tamil Nadu model school, Saidapet in Chennai city

Sl. No.	Description	Rate using [C.S Sand]	Unit	Civil works		PRODUCTION CONTROL ROOM (PCR) – 4K		20 KVA DG set & 10KVA Ups		Indoor Floor Lights		Shooting studio floor Equipment		SOUND-PROOFING & ACOUSTIC TREATMENT		Total Qty. (All works.)	
				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
1	Earth work excavation in all soils (including refilling) a. 0 to 2 mt.	260.80	Cum	3.600	938.88			2.30	599.84							5.900	1538.72
2	C.C.1:5:10 for Foundation & Basement	5026.01	Cum	0.800	4020.81			0.50	2513.01							1.300	6533.81
4	Flooring in C.C.1:5:10	5026.01	Cum					1.10	5528.61							1.100	5528.61
5	Plastering in C.M. 1:5, 12 mm tk.	271.50	Sqm	27.000	7330.50			7.30	1981.95							34.300	9312.45
5	8 SWG wire	27.13	Rmt					30.00	813.90							30.000	813.90
6	Earthing Station IS3043 (Type I)	2997.00	Eac h					2.00	5994.00							2.000	5994.00
7	Supplying and filling stone dust DG Set	308.01	Cum	0.700	215.61			0.50	154.01							1.200	369.61
8	Providing suitable foundation for accomodating the 20 KVA DG	274200.00	Eac h					1.00	274200.00							1.000	274200.00
9	Insulation for the residential silencer (supply of residential silencer to be included under item for DG Sets)	2215.00	Rmt					3.00	6645.00							3.000	6645.00
10	Supply and installation of 10KVA 2 hr backup UPS system with batteries	363600.00	Unit					1.00	363600.00							1.000	363600.00
11	Supply and fixing of 100 A4pole change over switch with double brack SD 736	8450.00	No					1.00	8450.00							1.000	8450.00
12	Dismantling the damaged brick works of cement mortar in all floors without affecting the adjacent structures including the cost of required tools and plants and scaffolding, if necessary and clearing the debris away from the site etc. all complete and as	283.14	Cum	2.40	679.54											2.400	679.54
13	Removing the damaged broken door/window /ventilators including the removal of frames, hinges, fastenings and shutters form the existing structure and stacking the same carefully for reuse if any in the departmental stores at site of work and as directed by the departmental officers etc., all complete (including removing the furniture fittings such as hinges, hooks and eyes etc.,) Pg22 SOR 2023-	153.56	Cum	8.00	1228.48											8.000	1228.48

Sl. No.	Description	Rate using [C.S Sand]	Unit	Civil works		PRODUCTION CONTROL ROOM (PCR) – 4K		20 KVA DG set & 10KVA Ups		Indoor Floor Lights		Shooting studio floor Equipment		SOUND-PROOFING & ACOUSTIC TREATMENT		Total Qty. (All works.)	
				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
14	Chipping of concrete and roughening the surface	40.37	Sqm	26.60	1073.84											26.600	1073.84
15	Removing the existing Ceiling fans, Tub lights and electical fittings etc, including the disconnection of electrical supply and earth connection and it stacking the same carefully for reuse if any in the departmental	90.00	Nos.	8.00	720.00											8.000	720.00
16	Brick work in cement mortar 1:5 (One of cement and Five of sand) using Fly Ash Brick of size 9"x4-3/8"x2-3/4" (23 x 11 x 7 cm) for Foundation & basement	7286.69	Cum	3.10	22588.74			1.20	8744.03							4.300	31332.77
17	Brick work in cement mortar 1:6 (One of cement and six of sand) using Fly Ash Brick of size 9"x4-3/8"x2-3/4" (23 x 11 x 7 cm) 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. b. In Ground Floor/Stilt floor	7300.99	Cum	1.90	13871.88											1.900	13871.88
18	Supplying and fixing of verified tiles 600 mm x 600 mm x 8 mm for flooring and other similar works (Best approved quality) colour and shade shall be got approved from the Executive Engineer before using) over cement mortar 1:3 (one of cement and three of sand) 20 mm thick including fixing in position cutting the tiles to the required size wherever necessary pointing the joints with white cement, curing finishing etc. all complete and as directed	1561.07	Sqm	7.40	11551.92											7.400	11551.92

Sl. No.	Description	Rate using [C.S Sand]	Unit	Civil works		PRODUCTION CONTROL ROOM (PCR) – 4K		20 KVA DG set & 10KVA Ups		Indoor Floor Lights		Shooting studio floor Equipment		SOUND-PROOFING & ACOUSTIC TREATMENT		Total Qty. (All works.)	
				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
19	SupplyinConstruction of Inspetion chamber of size 0.60x0.60x0.75m inclding earth work excavation,refilling.PCC 1:5:10,Brick work in CM 1:5 using chamber bricks and plaster in CM 1:5 and 5 cm thick precast slab etc complete	6415.58	Eac h	1.00	6415.58											1.000	6415.58
	Supplying and fixing of PVC Nahani Trap not less than 75mm 4way / 2 way (Superior variety) having minimum of water seal of 50mm confirm to relevant I.S. specifications with its latest amendments including resting on the bed of brick jelly concrete 1:5:10 (One of cement, five of sand and ten of 40 mm gauge brick jelly) etc., complete as directed by the departmental officers (The PVC Nahani Trap should be got approved from the	160.00	Eac h	1.00	160.00											1.000	160.00
20	Supplying and fixing of ovel shape Table top wash basin of size 640 x 435 x 155mm with tap arrangements and CP ornamental pilar cock of 200mm Extension Body, with 32mm dia bottle trap including labour for fixing, connection hose, bolt nuts, waste coupler and etc,	10953.60	Eac h	1.00	10953.60											1.000	10953.60
21	Supplying, Fixing and laying of following dia UPVC ASTM pipe as follow as																
	a.40mm dia ASTM pipe	373.15		8.00	2985.20											8.000	2985.20
	b.25mm dia ASTM pipe	328.57		15.00	4928.55											15.000	4928.55
22	Supplying and fixing the following dia PVC (SWR) pipe with ISI mark confirming to IS 13952:1992- type 'B' for soil line with relevant specials confirming to IS 14735 including jointing with seal ring confirming to IS 5382 with leaving a gap about 10mm to allow thermal expansion, fixing the pipes into walls with necessary wooden plug, screws, holding wherever b. 110 mm dia	758.37	Rmt	1.50	1137.56											1.500	1137.56

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				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
23	Supplying and fixing 150mm x 100mm size stone ware Gully trap with iron gratings over a bed of 150mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly and brick masonry wall 112 mm thick using chamber burnt bricks of size 9"x4-3/8"x2-3/4" (23x11.2x7cm) in cm 1:5 (One of cement and five and sand) plastered with CM 1:3 (One of cement and three of sand) 12mm thick etc., complete and	2168.56	Eac h	1.00	2168.56											1.000	2168.56
24	Supply and Fixing of SN-8 Non pressure pipe asper following dia a.110mm dia pipe	500.59	Rmt	24.00	12014.16											24.000	12014.16
25	Providing Soak pit size of 0.9m dia and 1.5m depth by required depth and filling with 50% of stone jelly of 40mm size and remaining 50% stone jelly of 20mm size including earth work excavation 1m dia over the stone jelly and covered with 1m dia Pre-cast RCC M30 Perforated slab of 40mm thick including the cost of earth work excavation, filling of 40mm , 20mm aggregate, fabrication of reinforcement grills, pre cast slab and including cost of pre -casting, molding, curing, finishing and fixing in position etc and all	4110.97	Eac h	1.00	4110.97											1.000	4110.97
26	Providing Rain Water Harvesting well ring circular shape of 90cm dia, 30cm depth,50mm thick using m30 grade concrete including steel fabrication.	805.04	Eac h	5.00	4025.20											5.000	4025.20

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				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
27	Providing soak pit by auguring 300 mm dia bore pits to a required depth as per the site condition and filling the entire depth of bore pit using river sand at 15% by the volume and 40mm HBSJ at 35% by volume as top layer including cost of material, labour for filling and auguring, hire charges for tools and plants and conveyance charges etc., all complete and as directed by the	528.97	Rmt	2.50	1322.43											2.500	1322.43
28	Supplying and laying and loose jointing the following dia stone ware pipes with ISI mark Superior variety (glazed) with spigot and sockets ends in dry conditions and tested with water, after the pipes are laid to proper gradient to the alignment etc., complete and as directed by the	255.84	Rmt	1.20	307.01											1.200	307.01
29	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 c.																
	For Square and rectangular columns and small quantities such as sunshade, parapet cum drops window boxiing, fin projection and other similar	1232.90	Sqm	1.70	2095.93			1.70	2095.93							3.400	4191.86
30	providing Standardised concrete Mix M30Grade Concrete for RCC works excluding the cost and fabrication of reinforcement grills, shuttering and centering but including vibrating, laying, curing and finishing etc.,	8803.95	Cum					1.10	9684.35							1.100	9684.35

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				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
	b. In Ground Floor/stilt floor	8935.79	Cum	0.20	1787.16											0.200	1787.16
31	Supplying, fabricating and placing in position of Mild steel Grills/Ribbed Tor Steels (with out Cement Slurry) etc.,	92055.30	MT	0.10	9205.53			0.121	11138.69							0.221	20344.22
32	Applying one coat of anticorrosive treatment on steel reinforcement rods etc.,	4865.50	MT	0.10	486.55			0.121	588.73							0.221	1075.28
33	Providing single nosing to the edges of Granite slab at entrance steps [PWD SR-2022-S & F of Granite slab of size 4'x2', 18 to 20mm Thick (jet black) C.M 1:3, 20mm tk for	195.70	Rmt	10.50	2054.85											10.500	2054.85
34	a. In Ground floor	2638.30	Sqm	6.70	17676.61											6.700	17676.61
35	Granite Slab flooring in cm1:3,18mm tk Flamed Steel	2735.07	Sqm	26.60	72752.86											26.600	72752.86
36	Granite wall cladding in cm1:3,10mm tk Jet black	1935.80	Sqm	39.40	76270.52											39.400	76270.52
37	Painting the wall with Texture Finish Paint including labour charges	412.00	Sqm	157.50	64890.00											157.500	64890.00
38	Providing and fixing 75mm thick. Light Weight Dry Wall Aercon Wall Panel Partition which are sandwich panels, made of two Fibre Reinforced Cement facing sheets, on either sides of a lightweight concrete core. The core is made from a mix of Portland cement and binders(Birla or equivalent conforming to BIS specifications). fixed with SS screws complete on both sidesWighing 54 kgs Per Sq .m. with Upto 2 hours Fire Resistance of Class 1 and Class P under Fire Retardant Standards and Ignitability	4951.44	Sqm	18.30	90611.35											18.300	90611.35

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				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
39	Supply and delivery of fixed chair (Office chair ARB VC 031 x C805U Netled chair) made with handle and legs with black paint spray coating bottom seat of size 0.48m x 0.48m with 50mm thick foam and top with fabric resin materials and side seat of size 0.45m x 0.55m with netled fabric resin material having 2 legs etc including cost of chair, transportation charges SER	6325.00	Nos.	2.00	12650.00											2.000	12650.00
40	Supply of professional makeup artist salon chair with footrest rotatable polyurethane molded chair with detachable adjustable headrest and the backrest can be incline or reclined to hydraulic pump with swivel lock function colour of the fabric as suggested by an architect with luxurious and comfortable SER	23000.00	No.	1.00	23000.00											1.000	23000.00
41	ACOUSTICS CARPET - Providing and fixing Carpet flooring of 6 mm thick PVC flexible, homogeneous antistatic calendared compacted floor covering, minimum weight 4200 gsm ² in minimum sheet of size 2mtrs. x 20 mtrs. approved pattern & colour ombination with PUR Protect or equivalent surface treatment having wear minimum resistance of $\leq 4.0\text{mm}^3$ as per EN 660.2 and wear group P as per EN 649 and should have a minimum residual indentation of <0.03mm confirming to EN-433. The laid flooring should have non	2472.50	Sqm	43.00	106317.50											43.000	106317.50
42	The floor finish should terminate at the room perimeter passing over a concealed cove former and continuing up the wall for 100mm. The joints in the flooring should be sealed by using a PVC welding bar of matching colour to be supplied by the manufacturer, using a hot air gun for fusion of																

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				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
43	Suppling, assembling and fixing of 24w LED 4000k 2' x 2' Square type Recessed LED fitting Philips/Havells/Equivald on directly mounting in ceiling fixing in position with all accessories including cost of all materails, 1 Sqmm connecting lead etc., all complete and as directed by the departmental officers.(The materials should be got approved from the EE before use) Higher end.	3914.00	Eac h	15.00	58710.00											15.000	58710.00
44	Wirng with 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable with surface run 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 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 switch including citcuit mains, cost of all materials, specials,	921.20	Eac h	15.00	13818.00											15.000	13818.00
45	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable with continuous earth by means of 1.5sqmm 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 PVC box (Fire retraded box) of required thickness concealed and covered with 3 mm thick laminated hylem sheet for F	707.50	Eac h	9.00	6367.50											9.000	6367.50

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				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
46	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable with continuous earth by means of 1.5sqmm PVC insulated single core multi strand fire retardant flexible copper cable with 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 PVC box (Fire retraded box) of required thickness concealed and covered with 3 mm thick laminated plywood sheet for 5	869.50	Eac h	3.00	2608.50											3.000	2608.50
47	Supply and fixing of triple pole and neutral four 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. 100A 10 KA TPN MCB 3 Nos. 63A 10KA DP MCB with 40A 30 mA ELCB double pole Outgoing: 12 Nos. 6 A / 32A 10KA SP MCB	24488.00	Eac h	1.00	24488.00											1.000	24488.00
48	Supplying and clamping of PVC armoured LTUG cable on post or wall and ceiling with necessary MS Clamps, Brass screws, T.W. Plugs, etc all complete as per relevant standard specification	561.00	Rmt	63.50	35623.50											63.500	35623.50

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				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
49	Supply of 3TR Cassette type A/C units, each of nominal capacity as indicated suitable for operation on 415 V + 10% or 230 V + 10% 50 Hz, three/single phase AC supply as applicable with R-410 or eco- friendly refrigerant each split type A/C unit shall comprise of outdoor unit suitable for ambient weather conditions and cassette type indoor unit suitable for ceiling mounting. Both units shall be inter connected through refrigerant (copper) tubing (encased in wall) and complete with electrical wiring for satisfactory operation and	105000.00	Eac h	1.00	105000.00											1.000	105000.00
50	Supplying, delivery and Installation of 1.5 TR Hi - Wall split Air conditioner of approved make / equivalent with copper coil 3 Star Rated with cordless remote with termittically sealed compressor on refrigeration R-22 Wall mounting conforming to IS 1391- for operation on 230v, 50 cycles/sec single phase/ three	33170.00	Eac h	2.00	66340.00											2.000	66340.00
51	Supplying, installation and commissioning of 4 KVA capacity Automatic Voltage Stabilizer with time delay relay (V- Gurad / Equivalent) of approved quality and make working in low voltage 140 v to 270 v A/c 50Hz including cost of material, conveyance, labour for fixing, hire charges for tools and plants etc., all complete as directed by	4441.00	Eac h	2.00	8882.00											2.000	8882.00
52	Supplying, installation and commissioning of 5 KVA capacity Automatic Voltage Stabilizer with time delay relay (V- Gurad / Equivalent) of approved quality and make working in low voltage 140 v to 270 v A/c 50Hz including cost of material, conveyance, labour for fixing, hire charges for tools and plants etc., all complete as directed by	4940.00	Eac h	1.00	4940.00											1.000	4940.00

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				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
53	Supply and laying of 5/8" and 3/8" copper pipe (beyond 3m supplied with AC unit)including the suction line copper, liquid line copper, expanded polythene foam insulation for suction line, copper pipe, drain pipe suitable capacity complete including labour charges, cost of materials, hire charges for tools and plants etc., all complete and as directed by the departmental	940.00	Rmt	30.00	28200.00											30.000	28200.00
54	Run off mains with 2 wires of 4 Sqmm copper PVC insulated unsheathed single core 1.1KV cable wire continuous earth by means of 2.5 Sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable in fully concealed 19 mm / 20 mm dia rigid PVC conduit pipe heavy duty with ISI mark including cost of all materials, specials, etc., all complete.	272.90	Rmt	84.00	22923.60											84.000	22923.60
55	Run off mains with 4 wires of 6 Sqmm copper PVC insulated unsheathed single core 1.1KV cable wire continuous earth by means of 2.5 Sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable in fully concealed 19 mm / 20 mm dia rigid PVC conduit pipe heavy duty with ISI mark including cost of all materials, specials, etc., all complete.	501.08	Rmt	87.00	43593.96											87.000	43593.96
56	Supplying and fixing of Four Pole 63A, 10KA MCB with ISI mark including cost of all materials, specials, etc., all complete.	1633.00	Eac h	1.00	1633.00											1.000	1633.00
57	Run off Communication cable for cassette type AC from outdoor unit to Indoor unit including labour for fixing etc, all complete and as directed by the departmental officers	175.00	Rmt	20.00	3500.00											20.000	3500.00
58	Supply and fixing of 20A DP plug and socket in sheet enclosure with 32A DP MCB I flush with wall with earth connection(For	1858.00	Eac h	3.00	5574.00											3.000	5574.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Civil works		PRODUCTION CONTROL ROOM (PCR) – 4K		20 KVA DG set & 10KVA Ups		Indoor Floor Lights		Shooting studio floor Equipment		SOUND-PROOFING & ACOUSTIC TREATMENT		Total Qty. (All works.)	
				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
59	Supplying & laying of 25mm dia PVC drain pipe AC including cost & labour charges etc all complete as directed by the departmental officers. (The brand and quality should be got	64.10	Rmt	40.00	2564.00											40.000	2564.00
60	161.1.4) Supplying and fixing of brass cable gland suitable for following core sqmm PVC armoured LTUG cable 3.5c X 50sqmm	439.00	Rmt	4.00	1756.00											4.000	1756.00
61	161.4) Supply and providing cable end termination of following PVC LTUG Aluminium	346.00	Rmt	4.00	1384.00											4.000	1384.00
62	ACCOUSTIC TREATMENT, EQUIPMENTS & LIGHTS FOR STUDIO FLOOR																
63	,PRODUCTION CONTROL ROOM MAKE UP DRESS PRODUCTION CONTROL ROOM (PCR) – 4K SOLUTION																
64	Supplying of 4K 8-Channel Digital Video Switcher Datavideo SE-4000 make	819880.00	No			1.00	819880.00									1.000	819880.00
65	Supplying of ProRes 4K Desktop Video Recorder Datavideo HDR-80 make	331660.00	No			1.00	331660.00									1.000	331660.00
66	Supplying of PTZ Camera Controller Datavideo RMC-180 MKII make	101970.00	No			1.00	101970.00									1.000	101970.00
67	Supplying of Rack mountable 8 Channels Intercom /Talkback System Datavideo ITC100 make	131840.00	No			1.00	131840.00									1.000	131840.00
68	Supplying of SDI to USB 3.0 Capture Box Datavideo CAP-1 make	33681.00	No			1.00	33681.00									1.000	33681.00
69	Supplying of 4K Up/Down Cross Converter Datavideo DAC-45	94760.00	No			1.00	94760.00									1.000	94760.00
70	Supplying of 4K SDI to HDMI Converter Datavideo DAC-8P 4K make	56135.00	No			1.00	56135.00									1.000	56135.00
71	Supplying of 4K HDMI to SDI Converter Datavideo DAC-9P 4K make	56135.00	Nos.			3.00	168405.00									3.000	168405.00
72	Supplying of 1 in 4 out HDMI Distribution Amplifier Datavideo VP840	22454.00	No			1.00	22454.00									1.000	22454.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Civil works		PRODUCTION CONTROL ROOM (PCR) – 4K		20 KVA DG set & 10KVA Ups		Indoor Floor Lights		Shooting studio floor Equipment		SOUND-PROOFING & ACOUSTIC TREATMENT		Total Qty. (All works.)	
				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
73	Supplying of 32" Preview/Pgm Monitor Incl.Mounting Stand Reputed make	27278.39	Nos.			2.00	54556.78									2.000	54556.78
74	Supplying of Multipurpose Audio Mixer with FX for Live Sound and Recording with 10 Mic/Line Inputs Allen & Heath ZED-16FX make	66040.00	No			1.00	66040.00									1.000	66040.00
75	Supplying of 5" Powered Studio Reference MonitorIncl. Professional	34745.76	Pair			1.00	34745.76									1.000	34745.76
76	Supplying of Talk back Gooseneck Microphone Incl.Shock mount Table Stand Sennheiser MEG 14-40 make	44178.03	No			1.00	44178.03									1.000	44178.03
77	Supplying of Closed-back Dynamic Stereo Monitor	6204.15	Nos.			2.00	12408.30									2.000	12408.30
78	Supplying of Professional Rotating axis Monitor Stand	7774.00	No			1.00	7774.00									1.000	7774.00
79	Supplying of PC with i7-12th Gen Intel Core Processo rWindows 11 Pro, Intel UHD Graphics 770, 23.8" diagonal Anti-glare FHD 512TB SSD, Built-inMonitor, 8GB RAM,Wi-Fi and Bluetooth	127909.32	No			1.00	127909.32									1.000	127909.32
80	Supplying of Laptop with i7-12th Gen Intel Core Processor, Window10 Pro, NVIDIA, Quadro T600, Graphics, 15.6", diagonal FHD Display, 16GB Memory, 4TB SSD, Built-in Wi-Fi and	157075.34	No			1.00	157075.34									1.000	157075.34
81	Supplying of 16A PowerConditioner ,Furman PL	78200.97	No			1.00	78200.97									1.000	78200.97
82	Supplying of Assorted Intl. Standard AV Cables & Shooting studio floor	234000.00	LS			1.00	234000.00									1.000	234000.00
83	Supplying of Professional 4K HDR Handheld Camcorder - Sony PXW-Z280 make	435254.24	Nos.									3.000	1305762.72			3.000	1305762.72
84	Supplying of 64GB SD Memory Cards -Sony make	10127.12	Nos.									6.000	60762.72			6.000	60762.72
85	Supplying of Professional Aluminum Tripod with Fluid Video Head for the Camera - Manfrotto make	38559.32	Nos.									3.000	115677.96			3.000	115677.96
86	Supplying of Camera Tripod Light Duty Dolly -TS -D20S Make	29205.19	Nos.									3.000	87615.57			3.000	87615.57

Sl. No.	Description	Rate using [C.S Sand]	Unit	Civil works		PRODUCTION CONTROL ROOM (PCR) – 4K		20 KVA DG set & 10KVA Ups		Indoor Floor Lights		Shooting studio floor Equipment		SOUND-PROOFING & ACOUSTIC TREATMENT		Total Qty. (All works.)	
				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
87	Supplying of 4K NDI UHD PTZ Camera -Datavideo PTC-300 NDI Model	259560.00	No									1.000	259560.00			1.000	259560.00
88	Supplying of Adjustable Ceiling Mount Kit for the PTZ Camera-Reputed make	15750.00	No									1.000	15750.00			1.000	15750.00
89	Supplying of 75" 4K Candypop Interactive Flat Panel with OPS PC: i5-11th Gen, 8GB RAM and 256GB SSD etc., Incl. Floor Mount Trolley.-Candypop make	200200.00	No									1.000	200200.00			1.000	200200.00
90	Supplying of 55" 4K Lookback Monitor for Shooting Floor Incl. Wall Mount Stand -Reputed	55000.00	Nos.									2.000	110000.00			2.000	110000.00
91	Supplying of 24" Interactive Pen Display Incl. Height Adjustable/Tilttable Stand - Wacom DTH-2420 Make	257388.00	No									1.000	257388.00			1.000	257388.00
92	Supplying of PC with i7-12th Gen Intel Core Processor, Windows 11 Pro, Intel UHD Graphics 770, 23.8" diagonal Antiglare FHD Monitor, 8GB RAM, 512TB SSD, Built-in Wi-Fi	127909.32	No									1.000	127909.32			1.000	127909.32
93	Supplying of Camera-mount Wireless Lavalier Microphone -- Sennheiser EW 112 P G4 MAKE	50745.76	Nos.									3.000	152237.28			3.000	152237.28
94	Supplying of Over-Ear Studio Headphone -Reputed make	3171.78	Nos.									3.000	9515.34			3.000	9515.34
95	Supplying of 5" Powered Studio Reference Monitor Incl. Professional Stand -M-Audio BX5 D3	34745.76	No									1.000	34745.76			1.000	34745.76
96	Supplying of Motorized Background System (4 BG Set) Incl. Control Panel/Remote Control Handset/Ceiling Bracket/Motorized Expander Set-	58728.81	No									1.000	58728.81			1.000	58728.81
97	Supplying of Cross Bar for BG Set- Harison make	2796.61	Nos.									4.000	11186.44			4.000	11186.44
98	Supplying of Digital Clock with Adjustable Brightness-Reputed make	5694.92	Nos.									2.000	11389.84			2.000	11389.84
	STUDIO COMMISSIONING CHARGES																
	INDOOR STUDIO FLOOR LIGHTS																
	FOR VIDEO PRODUCTION - CYCLORAMA CHROMA GREEN SCREEN AREA																
99	Supplying of 100W LED Soft Panel Light with Manual & DMX Control -Leksa Lighting LK	49221.60	Nos.							10.000	492216.00					10.000	492216.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Civil works		PRODUCTION CONTROL ROOM (PCR) – 4K		20 KVA DG set & 10KVA Ups		Indoor Floor Lights		Shooting studio floor Equipment		SOUND-PROOFING & ACOUSTIC TREATMENT		Total Qty. (All works.)	
				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
100	Supplying of 4-leaf barndoor for 100W LED Soft Panel Light - Leksa Lighting LK P100S S	1570.40	Nos.							10.000	15704.00					10.000	15704.00
101	Supplying of 200W LED Lens Panel Light with Manual & DMX Control -Leksa Lighting LK P200 D Make	60864.90	Nos.							5.000	304324.50					5.000	304324.50
102	Supplying of 4-leaf barndoor for 100W Lens Panel Light -Leksa Lighting LK BD-P200 Make	1575.60	Nos.							5.000	7878.00					5.000	7878.00
103	Supplying of LED Chroma cool light with diffuser, Manual & DMX Control modes, dimming knobs etc., -Leksa Lighting LK PCC 2D Make	55151.20	Nos.							5.000	275756.00					5.000	275756.00
104	Supplying of 200W LED Fresnel Light with Manual & DMX Control -Leksa Lighting LK F200 D Make	68195.40	Nos.							3.000	204586.20					3.000	204586.20
105	Supplying of 4-leaf barndoor for 200W LED Fresnel Light -Leksa Lighting LK BD -F200 Make	1608.10	Nos.							3.000	4824.30					3.000	4824.30
106	Supplying of Light fixture mounting clamp -Leksa Lighting LK C Clamp Make	802.10	Nos.							23.000	18448.30					23.000	18448.30
107	Supplying of Light Fixture dual safety chain -Leksa Lighting LK SB1 Make	336.70	Nos.							23.000	7744.10					23.000	7744.10
	FOR VIDEO PRODUCTION - CURVED CHROMA GREEN WALL AREA																
108	Supplying of 100W LED Soft Panel Light with Manual & DMX Control -Leksa Lighting LK	49221.60	No							10.000	492216.00					10.000	492216.00
109	Supplying of 4-leaf barndoor for 100W LED Soft Panel Light - Leksa Lighting LK BD-P100S	1570.40	No							10.000	15704.00					10.000	15704.00
110	Supplying of 200W LED Lens Panel Light with Manual & DMX Control-Leksa Lighting LK P200 D Make	60864.90	No							5.000	304324.50					5.000	304324.50
111	Supplying of 4-leaf barndoor for 100W Lens Panel Light -Leksa Lighting LK BD -P200 Make	1575.60	No							5.000	7878.00					5.000	7878.00
112	Supplying of LED Chroma cool light with diffuser, Manual & DMX Control modes, dimming knobs etc., -Leksa Lighting LK PCC 2D	55151.20	No							5.000	275756.00					5.000	275756.00
113	Supplying of Light fixture mounting clamp -Leksa Lighting LK C Clamp Make	802.10	No							20.000	16042.00					20.000	16042.00

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				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
114	Supplying of Light Fixture dual safety chain-Leksa Lighting LK SB1 Make	336.70	No							20.000	6734.00					20.000	6734.00
115	Supplying of DMX Touch Screen based controller having 7" Multi touch screen -Leksa Lighting LK dtc1024 Make	182325.00	LS							1.000	182325.00					1.000	182325.00
116	Supplying of Studio Rigging system consist of Basic Studio lighting grid-Leksa Lighting LK Rig FG Make	59189.00	LS							1.000	59189.00					1.000	59189.00
117	Supplying of Power system consist of direct power distribution panel for the Studio lighting fixtures and equipment - Leksa Lighting /Custom Make	190262.80	LS							1.000	190262.80					1.000	190262.80
	SOUND-PROOFING & ACOUSTIC TREATMENT																
	SHOOTING STUDIO FLOOR																
118	Wall Sound Proofing and Acoustic Treatment for Shooting Studio Floor	19109.76	Sqft											65.70	1255511.23	65.700	1255511.23
119	Ceiling Acoustic Treatment for Shooting Studio Floor	15881.76	Sqft											29.20	463747.39	29.200	463747.39
120	Floor Acoustic Treatment for Shooting Studio Floor	5423.04	Sqft											29.20	158352.77	29.200	158352.77
121	Acoustic Tower Door for Shooting Studio Floor	46080.00	No											1.00	46080.00	1.000	46080.00
122	Cyclorama Chroma Green Screen for Shooting Studio	10200.48	Sqft											38.70	394758.58	38.700	394758.58
123	Curved Chroma Green Wall for Shooting Studio Floor	6456.00	Sqft											19.90	128474.40	19.900	128474.40
	PRODUCTION CONTROL ROOM (PCR)																
124	Sound proofing and Wall Acoustic Treatment for Production Control Room	21692.16	Sqft											35.40	767902.46	35.400	767902.46
125	Ceiling Acoustic Treatment for Production Control Room	15881.76	Sqft											7.70	122289.55	7.700	122289.55
126	Floor Acoustic Treatment for Production Control Room	6714.24	sqm											7.70	51699.65	7.700	51699.65
127	Acoustic Tower Door for Production Control Room	46080.00	No											1.00	46080.00	1.000	46080.00
128	PCR Communication Glass Window - 12 mm DoubleSided: Dimension: (6'(W) x 3'(H)) for Production Control Room	72000.00	UNIT											2.00	144000.00	2.000	144000.00
129	Console Table for Production Control Room	48400.00	No											1.00	48400.00	1.000	48400.00
	SHOOTING STUDIO FLOOR													1.00		1.000	
130	Ceiling Acoustic Treatment for Makeup & Dress changing room	3497.00	sqm											3.50	12239.50	3.500	12239.50

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				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
131	Floor Acoustic Treatment for Makeup & Dress changing room	5423.04	sqm											3.50	18980.64	3.500	18980.64
132	Makeup Table Mirror with Lights Table - Laminated HDHMR 18mm with Acrylic (Size L 3' x W 2' x H 2'-6") Mirror and lights -	38644.07	No											2.00	77288.14	2.000	77288.14
133	Gypsum Partition for Dress Changing Room	2098.20	sqm											15.50	32522.10	15.500	32522.10
134	Acoustic Tower Door for Makeup & Dress changing room	46080.00	No											1.00	46080.00	1.000	46080.00
135	Door for Changing Room	6000.00	No											1.00	6000.00	1.000	6000.00
136	Painting (Wall and Ceiling)	451.92	sqm											173.70	78498.50	173.700	78498.50
	AIR LOCK ROOM																
137	Wall, Ceiling & Floor Acoustic Treatment for Air Lock room	4895.80	sqm											26.20	128269.96	26.200	128269.96
138	Acoustic Tower Door with Fingerprint Sensor- Main	56250.00	No											1.00	56250.00	1.000	56250.00
	ELECTRICAL CHARGES																
139	Electrical Wiring for Shooting Lights and General Lights, PCR, Recording Indication, Visitor's Lounge/Air Lock Room, Makeup Room; EB/Generator/UPS Changeover Circuit Cabling etc.,	720000.00	Unit							1.000	720000.00					1.000	720000.00
140	STUDIO COMMISSIONING CHARGES																
141	ESR Commissioning Charges, Consultation, Professional Installations, Integration, Training / Demonstration, Parallel Scheduling	750000.00	Unit									1.000	750000.00			1.000	750000.00
142	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending	5536.00	Sqm	13.50	74736.00											13.500	74736.00

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				Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
143	Providing Brass letters arrangements for tamil letters																
	a.25cm size	1682.00	Eac	30.00	50460.00											30.000	50460.00
	b.20cm size	1274.00	Eac	15.00	19110.00											15.000	19110.00
	c.15cm size	2040.00	Eac	25.00	51000.00											25.000	51000.00
	Total				1227759.94		2577673.50		702732.05		3601912.70		3568429.76		4083424.87		15761932.82