



Tamil Nadu Police Housing Corporation Limited
(A Government of Tamil Nadu Undertaking)
(An ISO 9001: 2015 Certified company)



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Lr. No. CE / Plg/5910/2023(Paramakudi WLTC)

Dated: 21.09.2023

To

The District Sports and Youth Welfare Officer,
Tamil Nadu Sports Development Authority,
Seethakathi Sethupathy Stadium,
Collectorate Campus,
Ramanathapuram – 623 503.

Sir,

Sub: TNPHC – Plg – H.O – Establishment of Weightlifting Training Centre at
Paramakudi in Ramanathapuram District – Estimate proposal – Furnished –
Approval requested - Regarding.

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The District Sports and Youth Welfare Officer/ Ramanathapuram has requested to
furnish the estimate for Establishment of Weightlifting Training Centre at Paramakudi in
Ramanathapuram District.

2. Accordingly, the estimate is prepared based on the PWD SR 2023-24 rates. The
Estimate value works out to ₹ **45,12,300/-** including GST at 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.

Encl: As above.


Chief Engineer

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Tamil Nadu Police Housing Corporation Ltd

Name of Work: Construction of Weight lifting sports Training Center at Mini Play Ground at Paramakudi in Ramanathapuram District. (Location of Near Weekly Market)

Abstract Estimate

SL.NO	QTY	DESCRIPTION OF WORK	RATE	UNIT	AMOUNT
1		Earth work excavation for foundation in all soils and sub-soils and to the required depth. (Including Refilling)			
	80.70	0 to 2.00 metre Depth	237.08	Cum	19132.36
2	17.90	Supplying and Filling in Foundation and Basement with Filling sand.	1856.18	Cum	33225.62
3	6.30	Sand gravel soiling	1655.59	Cum	10430.22
4	8.70	Plain Cement Concrete 1:5:10 using 40 mm HBSJ.	5213.08	Cum	45353.80
5	28.80	Standared design mix M20 Grade	8268.60	Cum	238135.68
6	16.20	Brickwork in Cement Morter 1:5 in Foundation and Basement.	6639.19	Cum	107554.88
7		Standared design mix M20 Grade			
	27.80	Ground Floor	8388.45	Cum	233198.91
8		Brickwork in Cement Morter 1:6 using Kiln Burnt Country Bricks of size 22x11x7 mm in the following floors			
	23.20	Ground Floor	6645.11	Cum	154166.55
9		Brick Partition wall of 110 mm thick in cement mortar 1:4 using Kiln Burnt Country Bricks of size 22x11x7 mm in the following floors			
	12.10	a) In Ground floor	812.21	sqm	9827.74
10		Brick Partition wall of 70 mm thick in cement mortar 1:4 using Kiln Burnt Country Bricks of size 22x11x7 mm in the following floors			
	12.60	Ground Floor	553.18	Sqm	6970.07
11	14.90	Filling with exacavated earth	38.95	Cum	580.36
12		Cuddappa slab 20 mm tk.			
	14.40	Ground Floor	556.10	Sqm	8007.84

SL.NO	QTY	DESCRIPTION OF WORK	RATE	UNIT	AMOUNT
13		Cuddappa slab 40 mm tk.			
	2.20	Ground Floor	589.79	Sqm	1297.54
14		Precast cupboard slab 40mm thick.			
	2.90	In Fondation & Basement	1639.23	Sqm	4753.77
15	8.90	Flooring 1:5:10 using 40 mm hard broken ston jelly .	5213.08	Cum	46396.41
16	6.80	Floor plastering with cement mortar 1:4, 20 mm thick .	514.18	Sqm	3496.42
17	19.40	Weathering course	3689.88	Sqm	71583.67
18		Plastering with cement mortar 1 : 5 12 mm thick etc all complete.			
	399.00	Ground Floor :	253.17	Sqm	101014.83
19	9.00	Plastering in CM 1 : 4, 12 mm thick.	259.25	Sqm	2333.25
20	141.00	Special Ceiling Plastering with cement mortar 1:3 , 10 mm thick	289.11	Sqm	40764.51
21		Plastering in CM 1 : 5 12mm Borders			
	86.00	150mm wide	80.72	Rmt	6941.92
	86.00	75 mm wide	52.55	Rmt	4519.30
	86.00	50 mm wide	39.11	Rmt	3363.46
22	141.00	White Washing 3 Coats	45.28	Sqm	6384.48
23	891.00	Supplying and fixing in position of M.S Grills window	69.60	Kgs	62013.60
24	444.00	Supplying and fixing in position of M.S Grills door	70.15	Kgs	31146.60
25	110.90	Ellispattern	454.35	Sqm	50387.42
26	58.00	Painting New Iron work	138.35	Sqm	8024.30
27	2.40	S & F 20mm Aluminium Hanger rod	58.00	No	139.20
28	2.00	Aluminium Towel rail 75 cm long	95.00	No	190.00
29	2.00	S&F of 5 pin coat stand	55.00	No	110.00
30		Supplying and laying in position of ASTM Pipes .			
	24.00	25mm Dia	239.07	Rmt	5737.68
31	2.00	Supplying and fixing of half turn CP long body Tap of 15mm dia of best approved quality.	488.00	No	976.00


SL.NO	QTY	DESCRIPTION OF WORK	RATE	UNIT	AMOUNT
32	2.00	Supplying and fixing of half turn CP Short body Tap of 15mm dia of best approved quality.	440.00	No	880.00
33	3.00	Gully Trap using Kiln burnt country bricks 22 x 11 x 7 cm.	1995.93	No	5987.79
34	1.00	PVC Nahani trap	160.00	No	160.00
35		UPVC Non Pressure pipe of SN8 SDR 34 (S 16.5) as per IS 15328/2003			
	34.00	a. 110 mm UPVC Non Pressure pipe	481.39	Rmt	16367.26
36	2.00	PVC Specials as per IS 10124/1982 Part II	174.20	No	348.40
		Electrical arrangements			
37	2.00	15 Amps 3 pin Plug	150.00	No	300.00
38	8.00	S & F Fibre box with fan hook	33.90	No	271.20
39	8.00	Labour Charges for Fixing fan	601.20	No	4809.60
40	2.00	S & F T.W box For TV/Telephone line socket point.	77.01	Pt	154.02
41	14.00	S & Laying 20 mm Dia PVC pipe for telephone line	86.76	Rmt	1214.64
42	113.00	Antitermite Treatment	34.00	Sqm	3842.00
43	55.00	Supplying and filling with Gravel	378.15	Cum	20798.25
44	103.70	Formwork using MS Sheet for column footing , plinth beam , raft beam and raft slab etc,	848.08	Sqm	87945.90
45	223.30	Form work for Plain surfaces such as Roof slab, Floor slab, Beams , Lintels, Lofts Staircase waist and landing slabs and other similar works etc., .B)	946.62	Sqm	211380.25
c	112.90	Form work for column sides and Small Quantities	1135.94	Sqm	128247.63
46	12.30	T.W. frame & TW styles & rails with BWR double leaf shutters for cup board/ ward robes including two coat enamel paint & one coat primer.	4253.06	Sqm	52312.64

SL.NO	QTY	DESCRIPTION OF WORK	RATE	UNIT	AMOUNT
47	3.20	Supply and Fixing Soild PVC door Shutter with frame	3325.00	Sqm	10640.00
48	8.60	Glazed tiles in CM 1:2- 12 mm thick.	1377.46	Sqm	11846.16
49	2.90	Supplying laying of Floor Ceramics Tiles (Anti skid) in cm 1:3, 20mm tk. .	1212.26	Sqm	3515.55
50	107.10	Rubber tiles 10 to 15 mm tk	1691.00	Sqm	181106.10
51	176.00	One coat white cement for new walls and other similar works.	61.63	Sqm	10846.88
52	176.00	Two coat of OBD over one coat white cement	125.27	Sqm	22047.52
53	231.00	Emulision painting	231.43	Sqm	53460.33
54	6.367	Supplying fabricating placing in RTS & MS rod for reinforcemen for RCC works [with out cement slurry]	88873.50	Mt	565822.03
55		Rain water harvesting using defunct borewell and providing perforatedcover slab.			
	1.00	a.) Providing pit	2267.00	No	2267.00
	3.00	b.) Augering 30cm dia	515.69	Rmt	1547.07
56	14.00	Rain water down fall pipe 110 mm dia.	343.11	Rmt	4803.54
57	10.00	20mm dia PVC water supply ASTM pipe (fully consealed in walls)	231.96	Rmt	2319.60
58	2.00	Wash Hand Basin of size 550 x 400 mm	3337.32	No	6674.64
59	2.00	S & F of Indian Water closet white glazed (Oriya type) of size 580 x 440mm - in Ground floor.	3363.02	No	6726.04
60		Supplying and laying in position of PVC SWR Pipe			
	10.00	110 mm pipe	717.55	Rmt	7175.50
	7.50	75mm pipe	600.25	Rmt	4501.88
61	12.00	Light pt with ceiling rose	1692.10	Pt	20305.20
62	5.00	Light pt with Battern Holder	1695.10	Pt	8475.50
63	8.00	Fan point wiring	1767.10	Pt	14136.80
64	2.00	5 Amps 5 pin Switch Board itself	869.50	Pt	1739.00

SL.NO	QTY	DESCRIPTION OF WORK	RATE	UNIT	AMOUNT
65	5.00	5 Amps 5 pin Convenient places	1174.40	Pt	5872.00
66	10.00	18' LED Tube light	705.00	No	7050.00
67	8.00	S & F 48" Ceiling fan with ISI make .	1552.70	No	12421.60
68	180.00	Run Off 2 wires 1.5 Sqm	214.90	Rmt	38682.00
69	5.00	Supplying and fixing of Bulk head fitting suitable for CFL	590.20	No	2951.00
70	2.00	Supplying and fixing of Bevelled edge mirror 500 x 400 x 5.5mm	398.30	No	796.60
71	2.00	Providing PVC Tee with end cap 32mm dia.	138.32	No	276.64
72	5.00	Supply and fixing of 25 W LED Street light fitting with LED	3460.00	NOS	17300.00
73	2.00	HDPE water tank 700 lit capacity with ISI mark	7035.00	nos	14070.00
74	110.80	Pressed tiles (23cmx23cmx20mm) mixed with Water proofing compound	1193.89	Sqm	132283.01
75	3.80	Supplying and erecting pull and push type rolling shutter with ISI make of approved size and section using 18 gauge GI Sheet etc,	2171.00	Sqm	8249.80
		External Water supply			
76		Drilling of bore wells any where in Tamilnadu including transportation from one place to another with in tamilnadu in alluvial soil sedimentary strata of clay and sand stone shale pebble boulders etc. by first taking a pilot bore 140mm/150mm dia and them enlarging to required dia direct or reverse rotary mud circulance method using rotary rings, fuel, labour and drilling at site			
	60.00	a) Upto 60 m depth ending below ground level	1689.60	rmt	101376.00
	30.00	b) From 60 m Upto 90 m depth ending below ground floor	1830.40	rmt	54912.00
77		Reamining 140mm/150mm dia pilot bore to 300 mm dia bore			

SL.NO	QTY	DESCRIPTION OF WORK	RATE	UNIT	AMOUNT
	60.00	a) Upto 60 m depth ending below ground level	424.60	rmt	25476.00
	30.00	b) From 60 m Upto 90 m depth ending below ground floor	451.00	rmt	13530.00
78		Supply and delivery of PVC casing pipes suitable for 150mm dia bore well			
	80.00	PVC. Pipe (C.S-Casing shallow depth) up to 80 m	644.50	rmt	51560.00
	10.00	PVC. Pipe (C.M-Casing medium depth) 81 to 110 m	841.50	rmt	8415.00
79	90.00	labour charges for inseriting the pvc casing pipe assemly (with slot or with out slots) in the drilled holeincluding joiting the pipes with pvc coupers with cement paste etc; complete supply and packing the annulr space with pebbles of size and qualitty as per approved by the executive engineers	369.60	rmt	33264.00
80	8.00	Charges for developing the borewell with air compressor of 300 CFM capacity (minimum 8 hours) including transportation labour and fuel charges for compressor and conducting yeild test by V notch method.	1937.10	hr	15496.80
81	1.00	Supplying and fixing of Bore end cap using PVC 160mm Dia etc., all complete	144.30	Each	144.30
82	1.00	Supply and delivery of submersible pumpset 2 Hp of best approved brand suitable for borewell with ISI mark motor for pumping with Gunnetel etc; all complete (50x60)	34734.00	Each	34734.00
83	1.00	Labour charges for errection of submersible pumpset for borewell	11056.10	Each	11056.10
84	1.00	Supplying and Delivery of 3 phase Control Panel Board 3 phase	13390.00	Each	13390.00

SL.NO	QTY	DESCRIPTION OF WORK	RATE	UNIT	AMOUNT
85	103.00	Supply and delivery of 3 core 4 sqmm flat copper cable confirming to IS suitable for submersible cable best approved 3 phase	194.00	rmt	19982.00
86	112.50	Supply and delivery of 32 mm dia UPVC pipe best approved superior quality with ISI mark and as direct by the department officer	148.10	rmt	16661.25
87	32.50	Labour charges for laying fixing UPVC pipes with all specials of approved quality including earth work excavation for trenches, laying etc, below GL	190.47	Rmt	6190.28
88	23.00	supply and laying of 25 mm dia GI pipe	128.00	Rmt	2944.00
89		Supply and delivery of best approved quality of GI specials 32 mm			
	2.00	a. 32 mm GI Elbow	87.00	Each	174.00
	1.00	b. 32 mm GI Union	127.50	Each	127.50
	1.00	c. 32 mm GI Hexahonal Nipple	58.10	Each	58.10
	1.00	d. 32 mm Gm Gate value	760.00	Each	760.00
90	1.00	MS Clampset 40mm	205.00	no	205.00
91	100.00	Supply and delivery of Nylon rope for tying of submersible motor pump	61.80	Rmt	6180.00
		Sub Total I			3449723.25
92		GST 18%			620950.18
		Sub Total II			4070673.43
93		Labour Welfare fund @ 1%			34497.23
94		Contingency & Petty Supervision Charges @ 2.5 %			101766.84
95		Supervision Charges @ 7.5 %			258729.24
96		GST @ 18% for Supervision Charges			46571.26
		Total			4512238.01
				Say	4512300.00


 Chief Engineer
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