

**Construction of Sub Agricultural Extension Centre Thiruvanaikaval at  
Vellithirumutham T S No: 5/37, Ward C, Block -1 Srirangam zone,  
Srirangam Taluk, Trichy district.**

**SCHEDULE-A**

SI No	Total Quantity	Unit	Description	Rate	TOTAL AMOUNT
1	100.00	Cu.m	Earth work excavation for foundation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2 mts. and clearing and levelling the site, etc., complete complying with standard specification.	180.07	18,007.00
2	18.00	Cu.m	Supplying and filling in foundation, basement, etc with filling M.Sand in layers of not more than 15 cm thick well watered, rammed and consolidated etc. complete complying with standard specification and as directed by the departmental officers.	1598.64	28,775.52
3	40.00	Cu.m	Supplying and filling of conveyed Gravel by lorry in Basement filling including stacking for Pre-measurement conveyance loading and unloading charges and all other incidental charges including filling, layering, watering and consolidation etc., complete as directed by the dept. officers and complying with standard specification	463.28	18,531.20
4	0.00		Cement Concrete 1:5:10 (One Cement, Five M.Sand and Ten hard broken stone jelly) using 40 mm gauge hard broken granite stone jelly for foundation including dewatering wherever necessary and laid in layers of not more than 15 cm thick well rammed, consolidated and curing etc. complete complying with standard specification		
a)	13.00	Cu.m	For Foundation and Basement	5251.66	68,271.58
b)	5.00	Cu.m	For depth below 1.50m upto 4.50 m	5388.86	26,944.30
5	0.00		Brick work in Cement Mortar 1:5 using best quality of Second Class Ground Moulded Chamber Burnts Bricks of Size 9" x 4-3/8" x 2-3/4" for foundation and basement including curing, etc., complete complying with standard specification.		
a)	14.10	Cu.m	Foundation & Basement	6913.70	97,483.17
6	0.00		Brick work in Cement Mortar 1:6 using best quality of Second Class Ground Moulded Chamber Burnts Bricks of Size 9" x 4-3/8" x 2-3/4" for foundation and basement including curing, etc., complete complying with standard specification.		
a)	27.00	Cu.m	For S.S in G.F.	6945.50	187,528.50
b)	22.00	Cu.m	For S.S in F.F.	7149.00	157,278.00
c)	3.16	Cu.m	For S.S in S.F.	7352.50	23,233.90
7	0.00		Brick partition walls of 11.80cm thickness using Second Class Ground Moulded Chamber Burnts Bricks of Size 9" x 4-3/8" x 2-3/4" in Cement Mortar 1:3 (One Cement and Three M.Sand) using hoop iron reinforcement if found necessary including curing etc. complete and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)		
a)	8.00	Sq.m	For S.S in F.F.	880.77	7,046.16
8	81.93	Sq.m	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given	661.00	54,155.73

SI No	Total Quantity	Unit	Description	Rate	TOTAL AMOUNT
9	0.00		Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specification. (Payment for centering shall be given after the concrete is laid)		

SI No	Total Quantity	Unit	Description	Rate	TOTAL AMOUNT
b)	100.00	Sq.m	For plane surfaces such as RCC floor slab, roof	753.09	75,309.00
c)	192.00	Sq.m	For plane surfaces such as rectangular or square	903.70	173,510.40
10	0.00		Reinforced Cement Concrete with 1:1½:3 (One Cement, One and half M.Sand and Three hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for all RCC items of works excluding cost of reinforcement grill and fabricating charges centering and shuttering but including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary and bearing surfaces of walls, beams etc. shall be finished smooth with Cement Mortar 1:3 (One Cement and Three M.Sand) etc., complete complying with standard specification and as directed by the departmental officers		
a)	26.50	Cu.m	Foundation & Basement	8976.40	237,874.60
b)	24.74	Cu.m	For S.S in G.F.	8976.40	222,076.14
c)	15.18	Cu.m	For S.S in F.F.	9044.40	137,293.99
11	79.69	Qtl	Supplying, fabricating and placing in position Mild Steel / Ribbed Tor Steel grills for all RCC works as per design given including cost of steel and G.I. binding wire in all floors etc. complete complying with standard specification. (Contractor has to make his own arrangements for the supply of steel and binding wire)	7880.40	627,989.08
12	4.24	Cu.m	Weathering course in brick jelly lime concrete using broken brick jelly of size 20mm uniform gauge in pure slaked lime (no M.Sand to be used) to the proportion of brick jelly to lime being 32:12.5 by volume and laid over the RCC roof slab in a single layer of required slope and finished by beating the concrete with wooden beaters of approved pattern, keeping the surface constantly wet by sprinkling lime jaggery water, etc., complete as per standard specification and as directed by the departmental officers.	3963.30	16,804.39
13	51.74	Sq.m	Finishing the top of roof with one course of machine pressed tiles of size 230mm x 230mm x 20mm of approved quality set in Cement Mortar 1:3 (One Cement and Three M.Sand) 12mm thick mixed with water proofing compound conforming to ISS at 2% by weight of cement used and the joints pointed neatly to full depth of tiles with the same cement mortar mixed with red oxide and water proofing compound including curing etc., complete complying with standard specification and as directed by the departmental officers	1111.65	57,516.77
14	13.28	Sq.m	Flooring with Stain Free Nano Polish Vitrified tiles size 600x600x8mm laid over 20 mm thick cement mortar 1:3 (One Cement and Three M.Sand) base mortar over the existing slab / floor including cutting the tiles to the required size with special cutter wherever necessary, laying in position and pointing with white cement mixed with colouring pigment at	1407.63	18,693.33
15	2.20	Sq.m	Flooring with ceramic tiles of size 305 x 305 x 6 mm laid over 20 mm thick cement mortar 1:3 (One Cement and Three M.Sand) base mortar over the existing slab / floor including cutting the tiles to the required size with special cutter wherever necessary, laying in position and pointing with white cement mixed with colouring pigment at the rate of 0.3 Kg. / sq.m. etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)	969.69	2,133.32
16	11.20	Sq.m	Dadoing walls with best approved quality, colour glazed tiles of 300mm x 200mm x 6mm size set in Cement Mortar 1:2 (One Cement and Two M.Sand) 10mm thick and pointing the joints with white cement mixed with colouring pigments at the rate of 0.40 Kg. / sq.m. neatly in all floors, curing, etc., complying with standard specification and as directed by the departmental officers.	1429.05	16,005.36

SI No	Total Quantity	Unit	Description	Rate	TOTAL AMOUNT
17	36.00	RM	Supplying and fixing in position best approved of BIS quality PVC rain water down fall pipes of 110mm dia., having a pressure of 4 kg. / sq.cm including cost of necessary PVC shoe, PVC bend, cast iron gratings of required diameter and special clamps, brass screws, nails, etc., and fixing of cast iron gratings at junction of parapet and the RCC roof slab including finishing neatly etc., complete. The rate shall be inclusive of cast of removable cast iron grating. The PVC pipe shall be fixed in wall with special type of "U" clamp at the centre of the pipe line in addition to those for more than 3.0 metre pipe length, etc., <del>complete complying with standard specification</del>	515.70	18,565.20
18	265.50	Kg	Supplying and fixing of M.S.grill of approved design for grill gate, grill work to doors and windows openings etc., using necessary mild steel etc., complete complying with standard	377.80	100,305.90
19	336.00	Sq.m	Plastering with Cement Mortar 1:5 (One cement and Five M.Sand), 12mm thick in all floors including curing etc. complete complying with standard specification and as directed by the departmental officers.	232.41	78,089.76
20	93.69	Sq.m	Special ceiling plastering and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, facia, canopy slab, staircase waist slab, landing slab etc., with Cement Mortar 1:3 (One Cement and Three M.Sand) 10mm thick	279.40	26,176.99
21	400.00	Sq.m	White washing one coat with freshly burnt white shell lime in all floors including cost of lime, blue powder, fevicol type gum, brushes, scaffolding charges, etc., complete complying with standard specification and as directed by the departmental officers.	23.70	9,480.00
22	400.00	Sq.m	Painting two coats of newly plastered wall surface with ready mixed plastic emulsion paint of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of Paris putty, wherever required etc., complete complying with standard specification.	164.13	65,652.00
23	14.00	Sq.m	Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)	157.08	2,199.12
24	1.70	Sq.m	Solid PVC door shutters using 19gauge 19 mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, Lock bottom rails. The steel tubes shallbe Covered with 5mm thick Solid PVC sheets. Shutters using 5mm thick Solid PVC sheets for Panelling Shall regidly fixed in position including necessary furniture fittings. The overall size of styles shallbe 50mm X 30mm. The Overall size of top,lock & bottom rails shallbe 75mm X 30mm. The Overall size of frames shallbe 50mm x 45mm, with suitable rabate for housing the shuuter.(Solid panel PVC door with frame) (Sl.No.96A)	3167.00	5,383.90
25	15.00	Sq.m	Supply and fixing UPVC(Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handel. The corners and joints should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hnges, stron locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Executive Engineer before use on work	7126.00	106,890.00

SI No	Total Quantity	Unit	Description	Rate	TOTAL AMOUNT
26	7.60	Sq.m	Supply and fixing of pull & push type rolling shutter with ball bearings. Shutter made of Cold Rolled Steel Strips, GI Sheets and Plates used for guide channels, brackets and lock plate of hot rolled steel of 18 gauge thickness, all components of rolling shutter hot dip galvanised with a zinc coating containing 97.5% pure zinc with minimum weight of zinc coating of 230 g/sq.m., free from flaking/peeling. GI Pipes for the suspension shaft of the roller of heavy duty pipe, Castings used for roller pulley wheels & U-clamps conforming to Grade 15 of IS:210, springs for counter balancing made from high tensile spring steel wire conforming to Grade 2 of IS:4454. Lock Plate provided at the bottom of the shutter, composed of a GI Plate 3.15 mm thick, reinforced with GI angle 35 x 35 x 5 mm at bottom of the plate fitted with sliding bolts at either end to engage with suitable receiving pockets at the bottom of the guide channel, with two handles both inside and outside faces of the lock plate. Guide Channels in GI of thickness 3.15 mm. Bracket Plate fabricated out of GI Plate of 3.15 mm thick. The suspension shaft of the roller made of steel pipe conforming to heavy duty of IS:1161	2150.00	16,340.00
27	26.00	Pt.	Wiring with 2x1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with top plate cover with Metal switch box and 5A Modular switch and making good of the concealed portion with suitable colour for PVC concealed light / Fan Point (For electronic regulator) (5 Points Per Coil) SD - 25 Modified	1886.00	49,036.00
28	5.00	Pt.	Wiring with 2x1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with suitable top cover with Metal switch box and 5A Modular switch and making good of the concealed portion with suitable colour for PVC concealed light (6 Points Per Coil) (For Rooms like Bath , Toilet,& Pump room etc..) (SD-26 Modified)	1583.00	7,915.00
29	4.00	Pt.	Wiring with 2x1.5sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories, in flush with wall, with 150mm x 100mm x 113mm Metal switch box with suitable top cover for 5 A 3 pin non inter locking CS Modular Plug with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed PVC plug point. (SD-38 Modified)	1401.00	5,604.00
30	2.00	No	Supply and fixing of fancy glass shade and 11W CFL for BH point. (SD-80)	251.00	502.00
31	20.00	No	Supply and fixing of single box type 4'36 W flu fitting complete with electronic ballast with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting. (SD-87)	629.00	12,580.00
32	2.00	No	Supply and fixing of 1200 mm (48") AC ceiling fan complete with stepped electronic 300W regulator with 300mm down rod on the existing clamp. (SD-110)	2166.00	4,332.00
33	6.00	No	Supply and fixing of 300 mm (12") sweep (light duty) AC exhaust fan complete with necessary wall opening and making good of the wall (SD-114)	2148.00	12,888.00
34	6.00	No	Supply and fixing of 5A / 15A 3 pin combined flush type modular wall socket with 15A flush type Modular switch on suitable Metal Box (SD-136 Modified)	389.00	2,334.00
35	2.00	No	Supply and fixing of 3 Nos. 5Amps (3 Pin and 2 Pin) combined flush type Modular wall socket with modular control switches concealed in suitable Metal Box covered with suitable top plate in flush with wall with earth connection (For Computer Plug Socket) (SD-139 Modified)	545.00	1,090.00
36	4.00	No	Supply and fixing of 20Amps DP Plug and Socket in sheet enclosure with 32A DP MCB in flush with wall with earth connection (For AC Plug) [Legrand (MDS) / Hager (L&T) make] (SD-140)	1879.00	7,516.00

SI No	Total Quantity	Unit	Description	Rate	TOTAL AMOUNT
37	50.00	RM	Supply and run of 2 of 1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V Grade in suitable PVC rigid pipe on wall and ceiling with continuous earth wire connection 14 SWG TC wire with painting of suitable colour. (SD-54)	141.00	7,050.00

SI No	Total Quantity	Unit	Description	Rate	TOTAL AMOUNT
38	100.00	RM	Supply and run of 2 of 1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V Grade in rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14SWG TC wire and making good of the concealed portion with suitable colour (SD-55)	197.00	19,700.00
39	100.00	RM	Supply and run of 4 of 6 sq.mm (84/0.3) PVC insulated SC unsheathed Cu Conductor of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection by 14 SWG TC wire and making good of the concealed portion with suitable colour (SD-63)	424.00	42,400.00
40	1.00	No	Supply and fixng of TNEB Moter Board suitable for 3 Phases 63A service connection made up of suitable angle iron frame work of size 2 feet x 1 1/2 feet using angle iron of size 1 1/2" x 1 1/2" x 1/4" rigidly fixed on wall covered with hylem sheet of size 2 feet x 1/2 feet of 6mm thickness with necessary bolts and nuts supports and supply and fixing of 3 Nos 63A fuse units (500V) 1 No. Neutral link, copper earth flat of size 1" x 1/4" with inter connection of EB meter to fuse units by 7/16 PVC insulated copper wire with earth connection complete SD 129	4312.00	4,312.00
41	1.00	No	Supply and fixing of 63A TPN MC switch with suitable angle iron frame work with MS cable entry boxes with earth connection only.Supply and fixing of 8 way single pole and neutral MCB sheet steel enclosure Distribution board 1No 32 Amps DB MCB as incoming and 6 Nos 6 Amps to 32 Amps SPMCB outgoing in flush with wall and making good of the concealed portion with earth connection only. The MCB DB and MCB's should be with ISI mark (Like Standard make). SD-166	5380.00	5,380.00
42	1.00	No	Supply and fixing of 8 way single pole and neutral MCB sheet steel enclosure Distribution board 1No 32 Amps DB MCB as incoming and 6 Nos 6 Amps to 32 Amps SPMCB outgoing in flush with wall and making good of the concealed portion with earth connection only. The MCB DB and MCB's should be with ISI mark (Like Standard make). (SD-167)	3068.00	3,068.00
43	1.00	No	Supply and fixing of Horizontal type 4 way triple pole neutral MCB distribution board in sheet steel enclosure with 40A 4 pole MCB isolater as incoming and 12 Nos. 6 A to 32 A SP MCB as outgoing in flush with wall and making good of the concealed portion with earth connection. The MCBDB and MCB's should be with the ISI mark (like standard make) (SD-179)	5964.00	5,964.00
44	70.00	RM	Supply and laying of 2 x 10 sq.mm PVC armoured LTUG cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 mt. Layer of M.Sand and covering the cable completely with bricks and M.Sand and refilling the earth to make good. SD-198	375.00	26,250.00
45	50.00	RM	Supply and clarnping of 2 x 6 sq.mm PVC LTUG armoured cable on post or on wall with MS Clamps. SD-215	245.00	12,250.00
46	15.00	RM	Supply and laying of 31/2 x 120 sq.mm PVC armoured LTUG cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 mt. Layer of M.Sand and covering the cable completely with bricks and M.Sand and refilling the earth to make good. SD-223	506.00	7,590.00
47	1.00	No	Earthing as per the ISI specification with an earth electrode of 2.1mt class 'B' GI pipe of dia not less than 40mm, with copper earth plate of size 125mm x 50mm x 6mm, with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry SD-233	2516.00	2,516.00
48	16.00	RM	Supply of and Run off 1 of No 8 rigid copper in suitable pvc rigid pipe on wall and ceiling with painting of suitable colour	24.00	384.00
			<b>Total</b>		<b>2942205.30</b>
			Add 12% GST		<b>353,065</b>
			Grand Total		<b>3295269.93</b>

TENDERER

NO. OF CORRECTION

SUPERINTENDING ENGINEER(AE)

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# **AGRICULTURAL ENGINEERING**

**Name of Work :**

**“Construction of 1 No of Sub  
Agricultural Extension Centre (SAEC) @  
SF.No.5/37 of Vellithirumutham Village,  
Thiruvanaikovil, Srirangam Taluk, Trichy  
under NABARD RIDF XXVI 2020-21.**

## **PRICE BID**

## Price Bid

**Name of work:** "Construction of 1 No of Sub Agricultural Extension Centre (SAEC) @ SF.No.5/37 of Vellithirumutham Village, Thiruvanaikovil, Srirangam Taluk, Trichy under NABARD RIDF XXVI 2020-21.

**value of work as per Schedule :** **Rs. 2942205**

I/We .....accept to execute the above work with a tender premium

of plus (+) .....

(in words) percentage over the Departmental / Estimated value of work indicated

Minus (-)

.....

**Plus GST 12%**

In case of variation in quantity of various items of works during execution, I / We agree that the amount payable for individual items of work will be as per the Departmental unit rates indicated in the tender schedule for the item as varied in accordance with the tender premium and actual quantity of work done.

**Signature and address of tenderer**

