

SCHEDULE - A

(UNDER RATE QUOTED TENDER SYSTEM)

Name of work: "Providing Entrance Arch and security room, G.I. sheet roofing for laboratory and step tiles in staircase for the work of construction of compound wall in university college of Engineering (Anna University) at Thirukkuvalai in Nagapattinam District."

Estimate Rs.34,90,000/-

DR NO : /2022-23

Sl. No.	Quantity in figures and in words	Description of work	Rate in figures and in words	Unit in figures and in words	Amount
1	2	3	4	5	6
1	4.00 m ³ (Four Cubic metre)	Dismantling the brick masonry wall in cement mortar under 3m height and clearing away the same 50m away from the site and roughening the surface etc complete complying with standard specification, and as directed by the departmental officers.		1m ³ (One Cubic metre)	
2	87.00 m ³ (Eighty seven Cubic metre)	EARTHWORK EXCAVATION for foundation in all soils and sub soils except rock requiring blasting to full depth as may be directed inclusive of shoring, strutting and baling water wherever necessary including refilling the sides of foundation with excavated earth in layers of not more than 20cm thick well rammed, watered and consolidated and depositing the surplus earth within the compound in places shown by the Departmental Officers with an initial lead of 10 metres and lift of 2 metres and clearing and levelling the site etc. complete complying with standard specification. (TNBP No.23 & 24)		1m ³ (One Cubic metre)	
3	13.00 m ³ (Thirteen Cubic metre)	Supplying and filling in foundation, basement with sand gravel @ 1:1(one sand and one gravel) with 0.62Cu.m of sand and 0.66Cu.m of gravel for every 1Cu.m of consolidated quantity in layers of not more than 15 cm thick with well watered rammed and consolidated etc.complete.		1m ³ (One Cubic metre)	

Contractor

Executive Engineer.PWD.,
Technical Education Division,
Thanjavur-7.

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1	2	3	4	5	6
4	4.00 m ³ (Four Cubic metre)	Plain CEMENT CONCRETE of mix 1:5:10 (One cement, five sand and ten aggregate) using 40mm size ISS gauge hard broken granite stone FOR FOUNDATION AND BASEMENT including all incidental charges dewatering if found necessary and laid in layers of not more than 15cm thick, finishing and curing as directed by the Departmental Officers complete complying with standard specification		1m ³ (One Cubic metre)	
5		Providing and lying in position , standardised Concrete Mix M20 Grade in accordance with IS 456-2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 Kg/M3 and Maximum water cement ratio of 0.55 including admixture (plasticiser/super plasticiser) in recommended proportions as per IS 9103 as accelerate , retard setting of concrete improve workability without impairing strength and durability with about)5 cu.m) 7730 kg of 20mm machine crushed stone jelly and with about (3.3 cu.m) 5156 kg of 10-12mm machine crushed stone jelly and about (4.79 cu.m 7670 kg of sand , but excluding cost of reinforcement grill and fabricating charges centering and shuttering and also including laying vibrating with mechanical vibrators finishing curing ect., and providing fixtures like fan clamps in the RCC floor /roof slabs wherever necessary without claiming extra etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS standards (No separate payment will be made by the Department for the excess usage of Materials)			
a	12.00 m ³ (Twelve Cubic metre)	Foundation & basement		1m ³ (One Cubic metre)	

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1	2	3	4	5	6
b	9.00 m ³ (Nine Cubic metre)	Super structure in Ground floor		1m ³ (One Cubic metre)	
c	12.50 m ³ (Twelve point five zero Cubic metre)	Super structure in First floor		1m ³ (One Cubic metre)	
6		Providing form work for centering, shuttering etc. for all RCC works including strutting upto 3.29m in all floors using mild steel shutters of size 90cm x 60cm of BG 10 stiffened with mild steel angles of size 25mm x 3mm laid over silver oak (country wood) joists of size 10cm x 6.5cm spaced at about 90cm c/c and supported by casurina props of 10cm to 13cm dia (spaced at 75cm c/c) complying with standard specification and as directed and removing the same after specified period without damaging the concrete etc. complete.			
a	33.00 m ² (Thirty three square metre)	Column footing plinth beam, staircase steps, grade beam etc.,		1m ² (One square metre)	
b	70.00 m ² (Seventy square metre)	For plain surfaces such as RCC slab, Beam, Bed block, waist slab, landing slab lintel etc.,		1m ² (One square metre)	

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c	113.00 m ² (One hundred and thirteen square metre)	For Sqaure or Rectangular column, boxing, sunshade etc.,		1m ² (One square metre)	
7	17.00 m ² (Seventeen square metre)	Providing additional strutting to centering of RCC slabs of plain surface for every additional 1.0 metre height or part thereof but not less than 30 cm, over the initial 3.00 metre height from floor level using casurina props of 10cm to 13cm dia including cross bracing etc., complete complying with standard specification and as directed by the department officers.		1m ² (One square metre)	
8	63.00 Qtl (Sixty three quintal)	Supplying, fabricating and placing in position mild steel or ribbed tor steel grill for reinforcement of all works as per the design given including cost of steel and binding wire in all floors complying with standard specification and drawing.		1Qtl (One quintal)	
9		BRICK WORK in cement mortar 1:6 (One cement and Six sand) using Country bricks of size (8 3/4" * 4 1 / 4" * 2 1 / 4") including curing finishing etc., complete complying with standard specifications. (Masonry projections wherever necessary for obtaining required elevation shall be done without extra cost)			
a	7.20 m ³ (Seven point two zero Cubic metre)	For foundation and basement		1m ³ (One Cubic metre)	

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1	2	3	4	5	6
b	5.50 m ³ (Five point five zero Cubic metre)	For superstructure in Ground Floor		1m ³ (One Cubic metre)	
10	9.60 m ³ (Nine point six zero Cubic metre)	BRICK WORK in cement mortar 1:5 (One cement and Five sand) using Country bricks of size (8 3/4" * 4 1/4" * 2 1/4") including curing finishing etc., complete complying with standard specifications. (Masonry projections wherever necessary for obtaining required elevation shall be done without extra cost) First floor		1m ³ (One Cubic metre)	
11		Brick work wall 10.80cm thick for brick partition using country bricks of size 8 3/4"X4 1/4"X2 1/4" in cement mortar 1:3 (one cement three sand) including plastering both the faces with cement mortar 1:5 (one cement five sand), 12mm thick etc complete complying with standard specification and as directed by the departmental officers			
a	65.00 m ² (Sixty five square metre)	Ground floor		1m ² (One square metre)	
b	14.60 m ² (Fourteen point six zero square metre)	First floor		1m ² (One square metre)	

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1	2	3	4	5	6
12	53.00 m ² (Fifty three square metre)	SPECIAL CEILING PLASTERING and finishing all the RCC exposed surfaces such as RCC slabs, sunshades, canopies, staircase steps, landing slabs, etc. with cement mortar 1:3 (one cement and three sand) 10mm thick and including hacking the surfaces and providing necessary cement mortar nosing beading as per size, specification wherever necessary using the same mix as directed by the departmental officers etc.,complete complying with standard specification.		1m ² (One square metre)	
13	282.50 m ² (Two hundred and eighty two point five zero square metre)	Plastering in cement mortar 1:5 12mm thick in all walls using fine river sand including curing and finishing neatly complying with standard specifican and as directed by departmental engineers.		1m ² (One square metre)	
14	7.05 m ² (Seven point zero five square metre)	Paving the floor with best quality Vitrified Tiles of size 600 x 600 x 8mm of approved colour, shade and quality laid in cement mortar 1:3 (one cement and three sand) 20mm thick and pointing with white cement using 0.30 Kg.of white cement per square metre including adding suitable colour pigments to suit the colour of tiles finishing perfectly and curing as directed by the Departmental Officers including cost of tiles, all materials and incidental charges, transportation charges and labour charges for laying tiles as directed by the Departmental Officers complete complying with standard specification.The tiles should be got approved by the Departmental Officers before use on work.(TNBP No.39-A)		1m ² (One square metre)	
15	0.50 m ³ (Zero point five zero Cubic metre)	PLAIN CEMENT CONCRETE of mix 1:2:4(One cement, two sand and four aggregate) using 20mm size ISS gauge hard broken granite stone for WEARING COAT in foundation and basement including laying, finishing and curing as directed by the Department Officers complete complying with standard specification.(TNBP No.28)		1m ³ (One Cubic metre)	

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1	2	3	4	5	6
16	7.25 m ² (Seven point two five square metre)	Finishing the top roof with one course of solar reflecting ceramic tiles of size 305x305x7mm thick of approved quality set in cement mortar 1:3 (One cement and three sand) (12mm thick) and mixed with for 10M2 4.00 kg Epoxy Packing conforming to ISS including curing etc., complete complying with standard specification and as directed by the Departmental officers.		1m ² (One square metre)	
17	1360.00 m ² (One thousand three hundred and sixty square metre)	Supplying and fixing MS grills to doors, windows and other openings using necessary MS flat (or) square rods for inner members and outer members which should be fixed to the walls as directed and design given by the departmental officers inclusive of cost of providing one coat of best quality red oxide primer etc., complete complying with standard specification and as directed by the departmental officers.		1m ² (One square metre)	
18	2.10 m ² (Two point one zero square metre)	Manufacturing, Supply and Fixing of M.S. steel doors with following specification. MS angles of size 40x40x 6mm at 3.5 kg/m used for the outer frame and MS angles of size 35x35x5mm at 2.60 kg/m for the shutter frames including one coat of red oxide primer.		1m ² (One square metre)	
19	3.15 m ² (Three point one five square metre)	Manufacturing, Supplying and Fixing in position of M.S. steel window with following specifications. The outer frame of window made out "Z" section (F7D) of size 33x25x3mm at 1.419 Kg/m and mullion of "J" section (F4B) of size 45x25x3mm at 2.28 Kg/m including one coat of red oxide primer.		1m ² (One square metre)	
20	51.00 m ² (Fifty one square metre)	Painting the new iron work two coats with best synthetic enamel paint of approved quality colour and brand over the existing priming coat including preperation of surface and cost of brushes high scaffolding charges neat finishing etc., complete complying with standard specification.(The quality, brand and colour of the paint should be got approved by the E.E before use on work).		1m ² (One square metre)	
21	293.00 m ² (Two hundred and ninety three square metre)	Painting two coats of newly plastered wall surface with ready mixed plastic exterior 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. (The colour and shade of the distemper shall be got approved by the Executive Engineer before use of work).		1m ² (One square metre)	

Sl. No.	Quantity in figures and in words	Description of work	Rate in figures and in words	Unit in figures and in words	Amount
1	2	3	4	5	6
22	6.00 m ² (Six square metre)	White washing two coats using best freshly burnt shell lime in all floors including cost of lime and approved quality of blue, fevical and sodium chloride and other materials like brushes, scaffolding charges including preparation of surface etc., complete. complying with standard specification.		1m ² (One square metre)	
23	25.00 m ² (Twenty five square metre)	Supplying and Painting the walls with two coats of oil bound distemper over one coat of water based cement primer including cost for distemper, primer, cleaning and scrapping the walls, rendering the walls smooth with necessary putty, brushes, scaffolding arrangements, labour charges, etc., as per standard specification.(The colour and shade of the distemper shall be got approved by the Executive Engineer before use of work).		1m ² (One square metre)	
24		Manufacturing, Supplying and fixing of Aluminium Dye cast powder coated letters of sizes with leg arrangements in the existing brick work wall duly drilling fixing TW plugs and finishing the same to the exist original condition without making any damages to the structure including scaffolding charges. The rate is exclusive of all taxes. The work should be done to the full satisfaction of the departmental officers etc., complete complying with standard specification.			
a	73.00 Nos. (Seventy three Numbers)	Aluminium Dye cast letter 9" size		1No. (One Number)	
b	60.00 Nos. (Sixty Numbers)	Aluminium Dye cast letter 6" size		1No. (One Number)	
c	1.00 No. (One Number)	College Embellam 15"		1No. (One Number)	

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1	2	3	4	5	6
25	787.00 m ² (Seven hundred and eighty seven square metre)	Supplying laying and fixing of bare galvalume sheet (aluminium zinc alloy coated sheet) with yield strength 550Mpa and 0.47mm thickness including all fittings as directed by the departmental officers.(The bare galvalume sheet should be got approved by the Executive Engineer before using) the rate also includes the cost of materials, labour for fixing coveyance, loading and unloading and all taxes etc.,		1m ² (One square metre)	
26	1.00 Job (One Job)	Providing Ornamental Work in Domes and column etc., as per detailed drawing enclosed including bricks, sthaphathy work, scaffolding charges, plastering, painting and all other materials , transporting charges, and labour charges for all works etc., completed complying with standard specification as directed by the departmental officers.		1Job (One Job)	
27	120.00 m ² (One hundred and twenty square metre)	Paving the floor with New INDUSTRIAL TILES (ENDURA)of approved quality of size 30cm x 30cm x 8mm is set in cement mortar 1:3 (One cement and three sand), 20mm thick and pointing with the cement including adding suitable colouring pigments of match with colour of tiles and finishing and curing as directed by the departmental officers including cost of tiles, and all other materials, transportation charges and labour charges for laying of tiles as directed by the departmental officers complete complying with standard specification. (The tiles should be got approved by the departmental officers before use on work.)		1m ² (One square metre)	
(TWENTY SEVEN ITEMS ONLY)					

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