

PUBLIC WORKS DEPARTMENT

TECHNICAL EDUCATION DIVISION,VELLORE.

NAME OF WORK : Providing approach road and rear side storm water drain arrangements for construction of Girls hostel building in Thiruvalluvar University campus at Serkadu Village of Katpadi taluk in Vellore

SL NO	QUANTITY	DESCRIPTION OF WORK	TNBP NO	NBC NO	RATE IN FIGURE & WORDS	UNIT	AMOUNT
1	386.00 M ³ [Three hundred and eighty six cubic metre]	Earthwork excavation for foundation in all soils and sub soils to full depth as may be directed except in hard rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary refilling the foundation with excavated earth other than sandy soil in layers of not more than 15 cm thick layers well rammed and depositing the surplus earth within compound in place shown by the departmental officers with an initial lead of 10 metre and initial lift of 2 metre and clearing and leveling the site etc., complete complying with standard specification and as directed by the departmental officers.	31C	V2 VI S.4 VII 3.4		1 m3 [One cubic metre]	
2	64.70 M ³ [Sixty four point seven zero cubic metre]	Cement concrete 1:5:10 (one cement, five M-sand and ten aggregate) using 40mm gauge hard broken blue granite stone jelly for foundation and basement including dewatering if found necessary and laid in layers of not more than 15cm thick and compacted etc., complete complying with standard specification and as directed by the departmental officers.	31C	V2 VI S.4 VII 3.4		1 m3 [One cubic metre]	
3	475.00 M ³ [Four hundred and seventy five cubic metre]	Supplying snf filling in foundation and basement with filling gravel in layer of 15cm thick well rammed and consolidated including watering complying with standard specification.	23	3.1.3.4 11		1 m3 [One cubic metre]	
4	73.00 M ³ [Seventy three cubic metre]	Providing and laying, spreading and compacting graded stone aggregates to Wet Mix Macadam 250mm thick specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed material by tipper to site laying in uniform layers with pavers in Sub Base/ Base course on well prepared surface and compacting with vibratory roller to acheive the desired density including cost of etc., complete as per clause as per clause 406 of MORTH Rev-5	Spl			1 m3 [One cubic metre]	

5	47.85 M ³ [Forty seven point eight five cubic metre]	Supplying and filling in foundation and basement with river sand/filling M-sand in layers of not more than 15cm thick well watered, rammed and consolidated etc., complete as per standard specification.	Spl	1 m3 [One cubic metre]
6		Providing form work for centering, shuttering etc., for all RCC works including strutting upto 3.29m high in all floors using mild steel shutters of size 90cmx60cm of BG 10 stiffened with mild steel angles of size 25mmx 25mmx3mm laid over silver oak (Country wood) Joists of size 10cmx6.5cm spaced at about 90cm c/c and supported by casurina props of 10cm to 13cm dia. (spaced at 75cm c/c) etc., complete complying with standard specification and as directed by the departmental officers.		
a	10.30 M ² [Ten point three zero square metre]	For Plane surface such as RCC floor slab, roof slab, rectangular, square Tee or Ell beam, lintel, bed block staircase waist slab, landing slab, landing beam, portico slab, portico beam etc.,		1 m2 [One square metre]
b	731.00 M ² [Seven hundred and thirty one square metre]	Providing rigid and smooth centering for vertical RCC concrete wall of supply channels retaining wall etc., for following height with necessary supply support below ground level & various height above ground level using MS sheets of size 90cm x 60cm x& BG 10 gauge stiffened with MS angle of size 25x25x3mm laid over silver oak joists of size 7.5cmx5cm spaced at 90cm center to center supported by casurina props of size 10 to 13 cm dia spaced at 75cm center to center etc., complete as directed by the engineer as per the technical specification 0 to 180cm height (Veritcal centering)		1 m2 [One square metre]

7 Providing and laying in position, Standardised Concrete Mix M-20 Grade in accordance with IS:456-2000, using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minium cement content of 325Kg/m3 and maximum water cement ratio of 0.55, including admixture (Plasticiser/ Super Plasticiser) in recommended proportions as per IS:9103 to accelerate, rated setting of concrete, improve workability without impairing strength and durability with about (5 cu.m) 7730Kg of 20mm machine crushed stone jelly and with about (3.30 cu.m) 5156kg of 10-12mm machine crushed jelly and about (5.79 cu.m) 7670Kg of sand, but excluding cost of reinforcement grill and fabrication charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finising, curing etc., and providing fixture like fan clamps in the RCC floor/roof slab wherever necessary without claiming extra compete complying with standard specification and as directed by the departmental officers.

a)	2.20 M ³ [Two point two zero cubic metre]	Foundation and basement	31C	V2 VI S.4 VII 3.4	1 m3 [One cubic metre]
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8	2.20 Qtl [Two point two zero quintal]	Supplying fabricating and placing in position of steel reinforcement using MS (or) RTS rods for all RCC item of works including cost of steel and binding wire in all floors etc. complete complying with standard specification and as directed by the departmental officers. (The contractor will have to make his own arrangements for the supply of M.S.plain rod / RTS rod and black binding wire).	97	VI	1 Qtl [One quintal]
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9 Brick Work in Cement Mortar 1:6 (one Cement & six m.sand) using II Class Ground Moulded Chamber burnt Bricks of size 9 "x4 3/8"x 2 3/4" including curing etc., Complete Complying with standartd specification and as directed by the Departmental officer. (masonry projections Whereever necesssary for obtaining required elevation shall be done without extra cost)

a)	65.50 M3	In foundation & Basement	31C	V2	1 m3
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	[Sixty five point five zero Cubic metre]		VI S.4 VII 3.4		[One cubic metre]
10	569.60 M ² [Five hundred and sixty nine point six zero square metre]	Plastering with C.M 1:5 [one cement and five P.sand] 12mm thick in all floors including finishing curing etc., complete complying with standard specification and as directed by the departmental officers.	S 61	V(S4)3	1 m2 [One square metre]
11	282.00 M2 [Two hundred and eighty two square metre]	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.	Spl		1 m2 [One square metre]
12		Plain Cement concrete 1:2:4 (One cement two m-sand and four aggregate) using machine crushed 20mm gauge hard broken granite stone jelly excluding cenetering, shuttering and, but including laying, curing and finishing for road works etc., complete complying with standard specification and as directed by the departmental officers	Spl		
a)	60.00 M3 [Sixty cubic metre]	In Foundation & Basement	31C	V2 VI S.4 VII 3.4	1 m3 [One cubic metre]
13	547.50 M2 [Five hundred and forty seven point five zero square metre]	Supplying and paving of 83mm thick high strength type of interlocking Rubber moulded hydraulically pressed paver block of approved colour etc., complete. Complying with standard specification and as directed by the departmental officers.	Spl		1 m2 [One square metre]
14	40.00 Rm [Forty running metre]	Supplying and fixing of NP III Class RCC Hume Pipe of flush joint to a size of 300mm diameter, RCC wall of 40mm thick to a length of 2.50m in RCC M35 with nominal special reinforcement		VI(S6) VII.3	1 Rm [One running

as directed by the departmental officers etc., complete
complying with standard specification.The rate include cost of
materials, labour charges, conveyancecharges and all other
incidental charges etc., complete. metre]

15	33.00 Rm [Thirty three running metre]	Supplying and fixing of NP III Class RCC Hume Pipe of flush joint to a size of 600mm diameter, RCC wall of 40mm thick to a length of 2.50m in RCC M35 with nominal special reinforcement as directed by the departmental officers etc., complete complying with standard specification.The rate include cost of materials, labour charges, conveyancecharges and all other incidental charges etc., complete.	1 Rm [One running metre]
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Total Items : 15 (Fifteen items only]

Estimate Amount : 31,00,000/-

**GST 12%
Total**

Executive Engineer, PWD.,
Technical Education Division,
Vellore - 632 002.