

ANAND AGRICULTURAL UNIVERSITY
ANAND

Name of work :- Construction of Rector Quarters C Type (3 Nos) for ladies hostel at AAU Anand.

1. CIVIL WORKS

A : GROUND FLOOR

SCHEDULE : B :

it no	Description of Item	Qty.	Rate	Per	Amount
1	Excavation for foundation in loose of soft soil 1.50 mt. depth including sorting out and stacking of useful materials stuff for all leads and lift including refilling of trenches etc. complete as directed by Engineer-in-charge.	108.80 Cmt.	83.00	Cmt.	9030.40
2	Providing and laying cement concrete 1:4:8 (1 Cement, 4 coarse sand, 8 machine cut stone aggregates 40mm. Nominal size) and curing, compaction etc. complete excluding cost of formwork in (A) Foundation and Plinth.	25.00 Cmt.	2723.00	Cmt.	68075.00
3	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing,centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for FOOTING and COLUMN UP TO PLINTH for any type of cross sectional area etc., complete as directed by E.I.C.	13.75 Cmt.	5250.65	Cmt.	72196.44
4	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing,centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for COLUMNS for cross sectional area 0.085 to 0.12 sqm... etc., complete above plinth level upto floor two level as directed by E.I.C.	5.31 Cmt.	7597.65	Cmt.	40343.52
5	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing,centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for GROUND BEAMS for any type of cross sectional area etc complete as directed by EIC	8.00 Cmt.	5672.00	Cmt.	45376.00
6	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing,centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for PLINTH BEAMS for any type of cross sectional area etc complete as directed by EIC	1.05 Cmt.	5672.00	Cmt.	5955.60
7	Providing, laying and constructing Brick work using common burnt clay conventional building bricks having crushing strength not less than 35 Kg/Cm ² in foundation and plinth in Cement Mortar (1:6) (1 Cement, 6 fine sand) including ranking out joints, curing scaffolding etc. complete.	24.00	3496.00	Cmt	83904.00

		Cmt			
8	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing,centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for COPING for any type of cross sectional area... etc., complete as directed by E.I.C.	2.50 Cmt	5632.70	Cmt	14081.75
9	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing,centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for LINTEL for any cross sectional area... etc., complete above plinth level upto floor two level as directed by E.I.C.	3.75 Cmt.	7438.05	Cmt.	27892.69
10	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing,centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for BEAMS for cross sectional area 0.08 to 0.12 sqm... etc., complete above Plinth level to floor Two level as directed by E.I.C.	7.60 Cmt.	7045.05	Cmt.	53542.38
11	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) for reinforced concrete R.C.C SILL not exceeding 10 cm thickness above plinth level to floor Two level including finishing the exposed surface with CM1:3 (1 Cement : 3 fine sand) to give a smotth and even surface centering and forwork consolidating with vibrator and curing complete excluding cost of Reinforcement etc. complete as directed by E.I.C.	1.60 Cmt	5632.70	Cmt.	9012.32
12	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing,centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for DROP PARDI for any cross sectional area... etc., complete above Plinth level to floor Two level as directed by E.I.C.	0.45 Cmt.	7039.40	Cmt.	3167.73
13	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing,centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for STAIR CASE excluding landing etc., complete above Plinth level to floor Two level as per detail drawing and as directed by E.I.C.	1.70 Cmt.	6255.00	Cmt.	10633.50
14	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork,				

	compacting with vibrator, curing, centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for SLAB for thickness more than 10 cms and up to 13 cms... etc., complete above Plinth level to floor Two level as directed by E.I.C.	18.00 Cmt.	5374.25	Cmt.	96736.50
15	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing, centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for CHHAJA for any cross sectional area... etc., complete above plinth level upto floor two level as directed by E.I.C.	3.75 Cmt.	6775.05	Cmt.	25406.44
16	Providing and laying Fe-418 (Tata tisco, Kamdhenu, Nilkanth, NRE, Galent, National, Ambika, Vinayak) T.M.T. bar steel reinforcement for all R.C.C. work as per structural drawing and design and placing in proper position including cutting, bending, binding with annealed wire etc. complete.	7000.00 Kgs.	54.90	Kg.	384300.00
17	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidating each deposited layer by ramming and watering.	36.00 Cmt	53.35	Cmt	1920.60
18	Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering ramming and Consolidating etc. complete.	64.00 Cmt.	306.00	Cmt.	19584.00
19	Providing, laying and constructing Brick work using common burnt clay conventional building bricks having crushing strength not less than 35 kg/cm ² for super structure for G.F. in cement mortar (1:6) (1 Cement, 6 fine sand) including ranking out joints curing, scaffolding etc. complete as directed by Engineer-in-charge.	56.35 Cmt.	3496.00	Cmt.	196999.60
20	Providing, laying and constructing half brick masonry work with conventional building bricks having crushing strength not less than 35 Kg./Cm ² for super structure for G.F. in cement mortar (1:4) (1 Cement, 4 fine sand) including ranking out joints, curing scaffolding etc. complete.	14.90 Smt.	502.85	Smt.	7492.47
21	Providing and fixing 30mm thick both side laminated water proof flush door shutters of Archid/Anchor/Green/century ply make including first class hardwood and cross band, block board core with plywood face panels, 6mm thick batten patti all around the shutter, Indian teakwood frames 10cm x 7cm size, Hylandpine code-1208 1mm thk. laminate of Sunmica/Durian make including SS Hinges, SS Tower Bolt, SS Aldrop, SS Handle, SS tadi of Nilkanth/yama make including providing and applying primer coat and two coats of oil painting of Asian/Berger make to the edges etc. complete as per detail drawings and as directed by E.I.C.	24.00 Smt.	6589.30	Smt.	158143.20
22	Providing and fixing 35mm THICK PARTLY PANELLED PARTLY GLAZED shutters (Two / Three / Four) for WINDOWS including indian teak wood FRAMES 10cm X 7.0cm size including SS fittings and fastenings of Nilkanth/yama make, applying primer coat and two coats oil painting of Asian/berger make etc completed as	26.30	4721.00	Smt.	124162.30

	per detailed drawing and as directed by E.I.C.	Smt.			
23	Providing and fixing glazed louvered glass ventilators with Indian teak wood frame of 10cm x A5947cm including applying wood primer and two coat of oil paint of Asian/ Berger of approved shade etc complete as per drawing & as directed by EIC.	1.45 Smt.	3511.00	Smt.	5090.95
24	Providing and fixing M.S. GRILL of required pattern at balcony, in window frames, in RCC, in Masonry etc. with M.S. flats at required spacing and frame all around, square or round bars with round headed bolts & nuts or by screws at all heights including welding, grinding, fixing in position, applying ready mixed red lead priming coat and painting two coats of Synthetic enamel paint of asian/berger make etc., complete as per detailed drawing and directed by E.I.C.	554.40 Kgs.	78.35	Kg.	43437.24
25	Providing and laying 25mm thick GREEN POLISHED KOTAH STONE (hand cut) slab having size (0.60mx0.60m) Flooring over 20mm (average) thick base of cement mortar 1:6 (1 cement : 6 course sand) laid over and jointed with grey cement slurry including rubbing, curing and polishing etc.. complete as per drawing and as directed by E.I.C.	90.00 Smt.	759.00	Smt.	68310.00
26	Providing and laying 25mm thick GREEN POLISHED KOTAH STONE (hand cut) slab having size (0.60mx0.60m) skirting over 12mm (average) thick base of cement mortar 1:6 (1 cement : 6 course sand) laid over and jointed with grey cement slurry including rubbing, curing and polishing etc.. complete as per drawing and as directed by E.I.C.	11.20 Smt.	865.00	Smt.	9688.00
27	Providing and laying white glazed tiles (Bell, Jhonson, Rak, Euro, Nitco) 6mm thick in flooring, treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 Cement, 3 Coarse sand) finished with flush pointing in white cement.	2.90 Smt.	696.00	Smt.	2018.40
28	Providing and laying colour glazed tiles (Bell, Jhonson, Rak, Euro) 6mm thick in skirting rises of steps and dedo on 10mm thick cement mortar 1:3 (1 cement, 3 coarse sand) finishing with flush pointing in white cement.	48.00 Smt.	720.00	Smt.	34560.00
29	Providing, laying & fixing 6MM THICK MATT FINISH NON-SLIPPERY 300 x300 rectified ceramic tiles jhonson ivory in flooring 20mm (average) thick base of cement mortar 1:6 (1 cement : 6 course sand) laid over and finished with flush pointing in white cement slurry with pigment to match the shade and colour of the tiles in true line and level, curing... etc., complete as directed by E.I.C.	5.05 Smt.	721.65	Smt.	3644.33
30	Providing and fixing 25mm thick green Polished kota stone slab for platform as per drawing length over 20 mm thick base of Cement Moetar 1:6 (1 Cement :6 course sand) or L.M. 1:1.5 laid over and Jointed with grey Cement Slurry inculing rubbing and polishing etc.	15.95 Smt	759.00	Smt.	12106.05
31	Providing and laying 25mm thick green polished kota stone Slab as per stair width for trade, in risers of steps laid on 10 mm thick Cement Mortar 1:3 (1 Cement :3 course sand) and Jointed with grey Cement Slurry inculing rubbing and polishing etc.	18.65 Smt	865.00	Smt.	16132.25

32	Providing and fixing both side Poolished machine cut kota stone shelves/partition 25 mm embedded into wall at support including racking and finishing smooth the sureface including cutting the stone as and where requited etc complete as per drawing.	7.45 Smt	452.00	Smt	3367.40
33	Providing, laying and fixing 19mm thick zed Black Polished Granite stone slab for platform over 20mm (Avg.) thick base of C. M. 1:6 (1 Cement, 6 Coarse Sand) laid in true line and level and slope including jointed with gray cement slurry including curing rubbing and polishing etc. complete as directed by Engineer-in-charge.	10.00 Smt.	2457.15	Smt.	24571.50
34	Providing and fixing MS PIPE RAILING of 0.90m hight as pattern shown in drawings at STAIRCASE with anchoring 0.05m in RCC or masonry including 40mm dia. 16 gauge heavy duty MS pipe as hand rail, 25mm dia. 14 gauge heavy duty MS pipe as vertical support and 15mm dia. 14 gauge heavy duty MS pipe as intermediate horizontal member and including welding, grinding, fixing in position with nessesary fixtures and fastenings etc., completed; including applying PRIMING COAT including preparing the surface by throughly cleaning oil, grease, dirt and other foreign matter and scoured with brushes fine steel wool, scrappers and sand papers with ready mixed priming paint brushing red lead and PAINTING TWO COATS WITH SYNTHETIC ENAMEL PAINT brushing, interior to give an even shade including cleaning the surface of all dirt, dust and other foreign matter etc complete as per detailed drawings & directed by E.I.C	6.30 Rmt	1969.25	Rmt	12406.28
35	Providing, Fixing and Fabrications of 900mm high Railing for BALCONY GRILL of 16 gauge CRC 25x25mm square pipe Vertical & Horizontal pipe Finishing smooth with grinder and fixing to Balcony of R.C.C. work. Fixture fastening using and a coat of red oxide Primer and two coat of enamel paint etc comp as directed by EIC.	12.60 Smt.	1600.00	Smt.	20160.00
36	Providing & applying 15mm THICK CEMENT PLASTER in single coat on fair side of brick or concrete wall for interior / exterior plastering from plinth level to floor two level finished even and smooth in CM 1:4 (1 Cement : 4 Sand) including finishing with floating coat of neat cement slurry including necessary curing, scaffolding in true line and level including providing & fixing 100mm to 150mm wide strip of chicken net at vertical and horizontal joints of RCC and masonary etc., complete as directed by E.I.C.	416.00 Smt.	157.20	Smt.	65395.20
37	-- do -- for ceiling	129.00 Smt.	167.50	Smt.	21607.50
38	Providing and applying 20mm thick sandface cement plaster using wooden gutki on walls upto height 10 meters above ground level consisting of 12mm thick baking coat of C. M. 1:3 (1 cement, 3 sand) and 8mm thick finishing coat of C.M. 1:1 (1 Cement, 1 sand) including providing and fixing 100 to 150mm strip of chicken net at horizontal and vertical joints of RCC and masonry, curing, scaffolding etc. complete	335.60	240.00	Smt.	80544.00

	masonry, curing, scaffolding etc. complete.	Smt.			
39	Providing throating or plater drip and moulding to R.C.C. Chhaja.	42.90 Rmt.	17.30	Rmt.	742.17
40	Providing Cement Vata (10 cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing watering etc. complete.	21.90 Rmt.	22.95	Rmt.	502.61
41	Providing and applying three coats of white washing with lime on wall & ceiling surface to give an even shade including thoroughly brooming the surface to remove all dirt , mortar drops and other foreign matters etc. complete as directed by Engineer in charge.	545.30 Smt.	7.70	Smt.	4198.81
42	Providing, applying and finishing wall with 2 coats of Asian Apex Ultima/berger on exteral wall surafce of required shade approved by enginner incharge and to give an even shade one (base) coat of primer including thoroughly brushing & brooming the surafce to remove all dirts, dust & remains of loose powdered materials & mortar durt including necessary scaffolding, curing etc.. complete as directed by E.I.C.	335.60 Smt.	99.00	Smt.	33224.40
				Rs.	1919663.51

Executive Engineer