

ANAND AGRICULTURAL UNIVERSITY,
ANAND.

NAME OF WORK: CONSTRUCTION OF QUARTERS FOR AGRICULTURE COLLEGE AT A.A.U., JABUGAM. (E1 TYPE)

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
A	CIVIL WORKS				
1	EXCAVATION for foundation UP TO 1.50m DEPTH including sorting out and stacking of useful materials and disposing of the excavated stuff for all lead and lift for <u>loose or soft soil</u> including refilling the trenches, sides of foundations... etc., complete as directed by E.I.C.	80.50	Cu.m	67.87	5463.54
2	EXCAVATION for foundation FROM 1.50m to 3.00m DEPTH including sorting out and stacking of useful materials and disposing of the excavated stuff for all lead and lift for <u>loose or soft soil</u> including refilling the trenches, sides of foundations... etc., complete as directed by E.I.C.	43.20	Cu.m	75.25	3250.80
3	BORING HOLES 2.40m depth in ordinary soil (Cast in situ pipes) and getting out the soil & desposal of the surplus excavated soil as directed within a lead of 50m, the diameter of pile is 300mm... etc., complete as directed by E.I.C.	4.00	No.	553.48	2213.92
4	Providing and laying CEMENT CONCRETE 1:4:8 (1 cement : 4 coarse sand : 8 machine cut stone aggregates 40 mm nominal size) and curing consolidation with rammers complete excluding cost of form work in (A) Foundation and Plinth... etc., complete as directed by E.I.C.	8.75	Cu.m	2165.44	18947.60
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 FOOTING and COLUMN UP TO PLINTH for any type of cross sectional area ... etc., complete as directed by E.I.C.	14.50	Cu.m	4697.38	68112.06
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 & 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 E.I.C.	8.25	Cu.m	4821.78	39779.69

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1	3	4	5	6	7
7	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 E.I.C.	2.25	Cu.m	4821.78	10849.01
8	Providing & laying ordinary CEMENT CONCRETE 1 : 1½ : 3 (1 Cement : 1½ Coarse sand : 3 stone aggregate 20mm nominal size) including compacting with vibrator, curing and in true line and level etc. excluding cost of formwork & reinforcement in RCC work for AUGUR for all cross sectional area ... etc., complete in foundation & plinth as directed by E.I.C.	0.70	Cu.m	3732.70	2612.89
9	Providing & laying ordinary CEMENT CONCRETE 1 : 2 : 4 (1 Cement : 2 Coarse sand : 4 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 SLAB for any type of cross sectional area... etc., complete as directed by E.I.C.	5.40	Cu.m	3419.96	18467.78
10	Providing and FILLING AVAILABLE EXCAVATED EARTH (excluding rock) in trenches of plinth, sides of foundations... etc., in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming, watering and dressing the top surface etc., complete as directed by E.I.C.	26.65	Cu.m	77.27	2059.25
11	FILLING in plinth and foundation with MURRUM OR SELECTED SOIL in layers not exceeding 20cm in depth consolidating each deposited layer by ramming, watering, consolidating and dressing the top surface... etc., complete as directed by E.I.C.	49.85	Cu.m	252.50	12587.13
12	Providing and laying and constructing BRICK WORK using common burnt clay building conventional brick having crushing strength not less than 35 Kg/Sq.cm. IN FOUNDATION AND PLINTH in cement mortar 1:6 (1 cement : 6 fine sand) in true line and level including curing, scaffolding, racking out the joints... etc. complete as directed by E.I.C.	14.75	Cu.m	2574.49	37973.73
13 A	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 between 0.050 to 0.085 sqm... etc., complete <u>above plinth level upto floor two level</u> as directed by E.I.C.	0.05	Cu.m	7508.08	375.40

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
13B	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 between 0.085 to 0.120 sqm... etc., complete <u>above plinth level upto floor two level</u> as directed by E.I.C.	4.45	Cu.m	6782.90	30183.91
14A	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 between 0.085 to 0.12 sqm... etc., complete <u>from floor Two level to Three level</u> as directed by E.I.C.	3.65	Cu.m	6816.33	24879.61
15 A	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 between 0.050 to 0.085 sqm... etc., complete <u>from floor Three level to Four level</u> as directed by E.I.C.	0.20	Cu.m	7574.94	1514.99
15B	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 between 0.085 to 0.12 sqm... etc., complete <u>from floor Three level to Four level</u> as directed by E.I.C.	1.65	Cu.m	6849.76	11302.10
16A	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 0.050 to 0.085 sqm... etc., complete <u>above Plinth level to floor Two level</u> as directed by E.I.C.	4.95	Cu.m	6235.48	30865.63

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
16B	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 0.085 to 0.120 sqm... etc., complete <u>above Plinth level to floor Two level as directed by E.L.C</u>	0.40	Cu.m	5765.83	2306.33
16C	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 0.120 to 0.180 sqm... etc., complete <u>above Plinth level to floor Two level as directed by E.L.C</u>	0.75	Cu.m	5214.37	3910.78
17A	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 0.050 to 0.085 sqm... etc., complete <u>floor Two level to floor Three level as directed by E.L.C</u>	3.30	Cu.m	6268.91	20687.40
17B	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 0.085 to 0.120 sqm... etc., complete from <u>floor Two level to floor Three level as directed by E.L.C</u>	1.00	Cu.m	5799.26	5799.26
18A	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 0.050 to 0.085 sqm... etc., complete <u>floor Three level to floor Four level as directed by E.L.C</u>	0.80	Cu.m	6302.34	5041.87

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
19A	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 SILL for any cross sectional area... etc., complete <u>above plinth level upto floor two level</u> as directed by E.L.C.	1.70	Cu.m	4693.96	7979.73
19B	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 SILL for any cross sectional area... etc., complete from <u>floor Two level to floor Three level</u> as directed by E.L.C.	1.05	Cu.m	4727.40	4963.77
19C	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 SILL for any cross sectional area... etc., complete from <u>floor Three level to floor Four level</u> as directed by E.L.C.	0.10	Cu.m	4760.83	476.08
20A	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 <u>above plinth level upto floor two level</u> as directed by E.L.C.	1.70	Cu.m	6594.03	11209.85
20B	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 <u>from floor Two level to floor Three level</u> as directed by E.L.C.	1.40	Cu.m	6627.46	9278.44

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
20C	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 <u>from floor Three level to floor Four level</u> as directed by E.I.C.	0.10	Cu.m	6660.89	666.09
21A	RCC Chhajjas (1 : 1½: 3) Providing and laying CEMENT CONCRETE 1:1½:3 (1 cement : 1½ coarse sand : 3 grade stone aggregates 20mm nominal size) for reinforced concrete CHHAJJA / SHELVES having all thickness <u>above Plinth level to floor Two level</u> including finishing the exposed surface with CM 1:3 (1 cement : 3 fine sand) to give a smooth and even surface centering and formwork, consolidating with vibrator and curing complete excluding cost of Reinforcement.etc complete. as directed by E.I.C.	0.70	Cu.m	5714.32	4000.02
21B	RCC Chhajjas (1 : 1½: 3) Providing and laying CEMENT CONCRETE 1:1½:3 (1 cement : 1½ coarse sand : 3 grade stone aggregates 20mm nominal size) for reinforced concrete CHHAJJA / SHELVES having all thickness <u>from floor Two level to floor Three level</u> including finishing the exposed surface with CM 1:3 (1 cement : 3 fine sand) to give a smooth and even surface centering and formwork, consolidating with vibrator and curing complete excluding cost of Reinforcement.etc complete. as directed by E.I.C.	0.60	Cu.m	5747.75	3448.65
22A	Providing & laying ordinary CEMENT CONCRETE 1 : 2 : 4 (1 Cement : 2 Coarse sand : 4 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 cross sectional area... etc., complete <u>from floor Two level to floor Three level</u> as directed by E.I.C.	0.20	Cu.m	3780.28	756.06
22B	Providing & laying ordinary CEMENT CONCRETE 1 : 2 : 4 (1 Cement : 2 Coarse sand : 4 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 cross sectional area... etc., complete <u>from floor Three level to floor Four level</u> as directed by E.I.C.	0.50	Cu.m	3813.71	1906.86

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1	3	4	5	6	7
23A	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 <u>above Plinth level to floor Two level</u> as directed by E.I.C.	11.30	Cu.m	4901.89	55391.36
24A	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 <u>above floor Two level to floor Three level</u> as directed by E.I.C.	6.40	Cu.m	4935.32	31586.05
25A	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 <u>above floor Three level to floor Four level</u> as directed by E.I.C.	1.35	Cu.m	4968.76	6707.83
26A	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 (Waist slab) including landing etc., complete <u>above Plinth level to floor Two level</u> as per detail drawing and as directed by E.I.C.	1.35	Cu.m	5613.20	7577.81
26B	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 (Waist slab) including landing etc., complete <u>from floor Two level to floor Three level</u> as per detail drawing and as directed by E.I.C.	1.35	Cu.m	5646.63	7622.94
27A	P/L T.M.T. bar reinforcement Fe 500 / 500D (Tata tisco, kamdhenu, Nilkanth, National, Gallent, NRE, Vinayak) for R.C.C. work including cutting bending binding with binding wire and placing in position <u>above Plinth level to floor Two level</u> etc complete as directed by EIC and as per detail drawings.	7003.55	Kg.	45.45	318311.35

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
27B	P/L T.M.T. bar reinforcement Fe 500 / 500D (Tata tisco, kamdhenu, Nilkanth, National, Gallent, NRE, Vinayak) for R.C.C. work including cutting bending binding with binding wire and placing in position <u>from floor Two level to floor Three level</u> etc complete as directed by EIC and as per detail drawings.	2977.35	Kg.	46.06	137136.74
27C	P/L T.M.T. bar reinforcement Fe 500 / 500D (Tata tisco, kamdhenu, Nilkanth, National, Gallent, NRE, Vinayak) for R.C.C. work including cutting bending binding with binding wire and placing in position <u>from floor Three level to floor Four level</u> etc complete as directed by EIC and as per detail drawings.	743.45	Kg.	46.66	34689.38
28A	Providing and lyaing BRICK WORK using common burnt clay building conventional brick having crushing strength not less than 35 Kg/Sq.cm. <u>above Plinth level to floor Two level</u> in cement mortar 1:6 (1 cement : 6 fine sand) in true line and level including curing, scaffolding, rackingout the joints... etc. complete as directed by E.I.C.	15.15	Cu.m	2737.10	41467.07
28B	Providing and lyaing BRICK WORK using common burnt clay building conventional brick having crushing strength not less than 35 Kg/Sq.cm. <u>from floor Two level to floor Three level</u> in cement mortar 1:6 (1 cement : 6 fine sand) in true line and level including curing, scaffolding, rackingout the joints... etc. complete as directed by E.I.C.	15.00	Cu.m	2767.80	41517.00
28C	Providing and lyaing BRICK WORK using common burnt clay building conventional brick having crushing strength not less than 35 Kg/Sq.cm. <u>from floor Three level to floor Four level</u> in cement mortar 1:6 (1 cement : 6 fine sand) in true line and level including curing, scaffolding, rackingout the joints... etc. complete as directed by E.I.C.	10.15	Cu.m	2798.51	28404.88

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
29A	Providing and lyaing HALF BRICK WORK using common burnt clay building conventional brick having crushing strength not less than 35 Kg/Sq.cm. <u>from Plinth level to floor Two level</u> in cement mortar 1:4 (1 cement : 4 fine sand) in true line and level including curing, scaffolding, rackingout the joints... etc. complete as directed by E.I.C.	61.55	Sq.m	403.09	24810.19
29B	Providing and lyaing HALF BRICK WORK using common burnt clay building conventional brick having crushing strength not less than 35 Kg/Sq.cm. <u>from floor Two level to floor Three level</u> in cement mortar 1:4 (1 cement : 4 fine sand) in true line and level including curing, scaffolding, rackingout the joints... etc. complete as directed by E.I.C.	49.45	Sq.m	407.54	20152.85
29C	Providing and lyaing HALF BRICK WORK using common burnt clay building conventional brick having crushing strength not less than 35 Kg/Sq.cm. <u>from floor Three level to floor Four level</u> in cement mortar 1:4 (1 cement : 4 fine sand) in true line and level including curing, scaffolding, rackingout the joints... etc. complete as directed by E.I.C.	2.25	Sq.m	411.98	926.96
30A	INTERNAL PLASTER: Providing & applying 15mm THICK CEMENT PLASTER in single coat on fair side of brick or concrete wall for interior / exterior plastering <u>from Plinth level to floor Two level</u> 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 masonry... etc., complete as directed by E.I.C.	210.05	Sq.m	139.68	29339.78

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
30B	INTERNAL PLASTER: Providing & applying 15mm THICK CEMENT PLASTER in single coat on fair side of brick or concrete wall for interior / exterior plastering <u>from floor Two level to floor Three level</u> 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 masonry... etc., complete as directed by E.I.C.	175.10	Sq.m	157.06	27501.21
30C	INTERNAL PLASTER: Providing & applying 15mm THICK CEMENT PLASTER in single coat on fair side of brick or concrete wall for interior / exterior plastering <u>from floor Three level to floor Four level</u> 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 masonry... etc., complete as directed by E.I.C.	51.65	Sq.m	174.43	9009.31
31A	Providing & applying 15mm THICK CEMENT PLASTER in single coat on fair side of ceiling surface / slopping roof... etc., <u>above Plinth level to floor Two level</u> 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... etc., complete as directed by E.I.C.	102.70	Sq.m	152.41	15652.51

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
31B	Providing & applying 15mm THICK CEMENT PLASTER in single coat on fair side of ceiling surface / slopping roof... etc., <u>from floor Two level to floor Three level</u> 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... etc., complete as directed by E.I.C.	60.85	Sq.m	183.01	11136.16
31C	Providing & applying 15mm THICK CEMENT PLASTER in single coat on fair side of ceiling surface / slopping roof... etc., <u>from floor Three level to floor Four level</u> finished even and smooth in CM 1:4 (1 Cement : 3 Sand) including finishing with floating coat of neat cement slurry including necessary curing, scaffolding in true line and level... etc., complete as directed by E.I.C.	8.25	Sq.m	213.62	1762.37
32	Providing & applying 20mm THICK SAND FACED CEMENT PLASTER using wooden Gutki on wall upto all height from ground level consisting of 12mm thick backing coat of CM 1:3 (1 cement : 3 sand) and 8mm thick finishing coat of CM 1:1 (1 cement : 1 sand) including curing, necessary 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 masonry... etc., complete as directed by E.I.C.	397.60	Sq.m	212.10	84330.96

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
33	Providing and laying cement VATA (10cm x 10cm size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc.. complete as directed by E.I.C.	35.95	Ru.m	18.58	667.95
34	Providing THROATING or plaster drip and moulding to r.c.c. chajja's and plaster works in true line and level as per detailed drawing and directed by E.I.C.	46.25	Ru.m	24.85	1149.31
35 A	Providing and laying fixing 8/10mm thick VITRIFIED TILES (605 x 605mm agl make Carolina pink / Jhonson 600X600 Travio) flooring over 20mm (average) flooring over 20mm (average) base of Cement Mortar 1:6 (1 Cement, 6 coarse sand) on new surface or fixing on existing flooring by adhesive materials including dismantling of exiting flooring and jointed with flush pointing & cleaning the surface etc. complete	98.70	Sq.m	898.90	88721.43
35B	Providing and laying 25mm thick GREEN POLISHED KOTAH STONE (hand cut) slab (one piece for whole tread) <u>Flooring</u> 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, polishing and half round moulding etc.. complete as per drawing and as directed by E.I.C.	24.05	Sq.m	1357.25	32641.85
35C	Providing, laying & fixing 300X300mm rectified ivory Johnson make CERAMIC TILES in <u>flooring</u> over 12mm (average) thick base of cement mortar 1:3 (1 cement : 3 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 per detailed drawing and directed by E.I.C.	10.85	Sq.m	608.02	6597.02
35D	Providing and laying 8mm thick WHITE GLAZED TILES (Blanco 300x450-Kajaria, star white 300x450-Bonzer, New white glaze 300x450-Somani, White 300x450-Jhonson) in flooring wall on a bed of 12mm thick cement mortar 1:3 (1 Cement, 3 Coarse sand) finished with flush pointing in white cement, curing etc complete as directed by E.I.C.	1.20	Sq.m	581.76	698.11
35E	Extra for finishing the plinth slab with VACUUM DEWATERING SYSTEM popularly known as TREMIX consisting of mechanical trowel, vacuum dewatering equipment and finishing with mechanical floater to give even finish and smooth surface including providing joints with bitumin sand mixer etc., complete as directed by E.I.C.	19.55	Sq.m	59.96	1172.22

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
36A	Providing and laying ixing 8/10mm thick VITRIFIED TILES (605 x 605mm agl make Carolina pink / Jhonson 600X600 Travio) in skirting over 10mm (average) base of Cement Mortar 1:3 (1 Cement, 3 coarse sand) on new surface or fixing on existing flooring by adhesive materials includng dismentalling of exiting flooring and jointed with flush pointing & cleaning the surface etc. complete	8.80	Sq.m	866.90	7628.72
46B	Providing and laying 25mm thick GREEN POLISHED KOTAH STONE (hand cut) slab (one piese for whole riser) in riser of steps, skirting, <u>Dado</u> laid over the base of 10mm th. of C.M. 1:3 (1 cement : 3 course sand) and jointed with grey cement slurry including rubbing, curing and polishing etc.. complete as per drawing and as directed by E.I.C	12.75	Sq.m	1256.79	16024.08
46C	Providing and laying 8mm thick WHITE GLAZED TILES (Blanco 300x450-Kajaria, star white 300x450-Bonzer, New white glaze 300x450-Somani, White 300x450-Jhonson) <u>on wall</u> on a bed of 12mm thick cement mortar 1:3 (1 Cement, 3 Coarse sand) finished with flush pointing in white cement, curing etc complete as directed by E.I.C	108.70	Sq.m	600.95	65323.27
47	Providing and fixing 25mm thick double polished hand cut GREEN KOTAH STONE PARTITION for <u>Cupboards and Store racks</u> including making gissi in brick wall and filling gap with cement slurry and cement mortar etc. complete in true line and level as per detailed drawing and as directed by E.I.C.	14.45	Sq.m	681.50	9847.64
48	Providing and laying kitchen & pantry PLATFORM with machine cut single side polished 18mm thick GREY GRANITE STONE including making gissi in brick wall and fixing the sized polished Granite stone pieces sandwich type in vertical position and in top position, single polished Granite stone horizontal & vertical facia including half round moulding, filling gap with cement putty and cement mortar etc., complete, in true line and level as per detailed drawing and directed by E.I.C	4.25	Sq.m	8649.79	36761.62

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
49	Providing and fixing 30mm thick Both Side Laminated Water Proof FLUSH DOOR shutters of Archid/Anchor/Green Ply make including first class hardwood and cross band, block board core with plywood face panels, 6mm thick batten patti all around the shutter including 10cm x 7cm size Indian teakwood frames, Hylandpine code -1208 1mm thk. laminate of Sunmica make on both the side including S.S. fixtures of Nilkanth make (1) S.S. Hinges 150x70x2.5 - 4 no.s, (2) S.S. Tower Bolt 150x10 - 1 no.s, (3) Handle 6" - 2 no.s, (4) S.S. Aldrop 10" long - 2 no.s with necessary screws including providing and applying primer coat Asian / Berger make and two coats of oil painting of Asian / Berger make to the frame, edges of flush door shutter etc. complete as	26.80	Sq.m	5979.94	160262.39
50	Providing and fixing MS door with grill ventilator using 40x40x6 mm MS angle frame fixed in RCC or brick masonry, shutter frame 30x30x3mm MS angle with 25x5mm MS flat & 2mm thick MS plate with necessary 12mm dia aldrap, 10mm dia tadi, handles, hinges, stoppers etc including primer coat of red oxide and two coat white oil paint of Asian/Berger including cleaning, brushing etc complete as per design and drawing	1.80	Sq.m	3289.60	5921.28
51	Providing, fabricating and fixing in walls M.S. C.R.C. Japan sheet of 16 gauge frame inside inserted as per requirement on wall, floor, ceiling all round and 18 gauge SHUTTER for CUPBOARD as per drawing and design with chromium plated fixtures & fastenings, locking arrangement including applying red oxide priming coat and painting 2 coats of synthetic enamel paint of Asian make approved shade etc. complete as directed by E.I.C.	12.00	Sq.m	3262.10	39145.19
52	Providing & fixing 18mm thick GREY GRANITE STONE at <u>window sill, jams & soffit</u> by keeping 225mm wide outer strip resting on sill towards outside & 100mm wide inner strip resting on outer strip by overlapping 25mm towards inside at sill and 300mm wide strip at jams & at soffit and fixing with CM (1 cement: 2 coarse sand), Araldite and screws if necessary including mirror polishing and making half round moulding on both the sides and finishing with colour cement etc. complete as directed by E.I.C.	36.15	Sq.m	2330.59	84250.83

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
53	Providing and fixing fully glazed 15 micron colour Anodies Aluminium THREE TRACK SLIDING WINDOW (2 shutters of Glass & 1 shutter of mosquito net zali) with fix Glazing using Aluminum Section of "Jindal Aluminium Ltd.," with 3 track bottom 21516 (92.00x31.75x2.00mm @ 1.49 Kg/m), three track top and side 21517 (92.00x31.75x2.00 @ 1.273 kg/m) including sliding shutter having top and bottom section 21513 (18.00x40.00x2.00 @ 0.695 kg/m), horizontal intermediate section 20920 (18.00x42.00x1.28 @ 0.503 kg/m), handle side section 21515 (18.00x40.00x2.00 @ 0.696 kg/m), inter lock section 21514 (18.00x40.00x2.00 @ 0.817 kg/m) with 6mm thick plain glass Modi / Saint gobain, S.S. jali having S.S. wire of average aperture 1.40mm and wire dia. of 0.63mm fixing with C channel (3/4) (Alluminium) including wall fixtures and fastening with EPDM Jumbow rubber glass seal, glass wool, S.S. concealed lock, TPI bearing and aluminium cleats, Silicon sealant, screw and nails also painted/powder coated etc. complete. as per detail drawing and as	20.65	Sq.m	5297.24	109388.01
54	Providing and fixing 15 micron colour anodized Aluminium fully glazed FIXED GLASS of Jindal make having single partition section 20065 (63.50x38.10x2.50 @ 1.369 kg/m), Double partition section 20064 (63.50x38.10x2.50 @ 1.444 kg/m), Glazing zip - 19377 (19.00x17.30x1.20 @ 0.154 kg/m) with 6mm thick plain glass of Modi/Saint gobain make including rubber beading, fixtures & fastenings, aluminum cleats, silicon sealants, screws and nails also painted / powder coated etc. complete. as per detail drawing and as directed by the EIC.	1.00	Sq.m	4072.17	4072.17
55	Proving and fixing 15 micron colour anodized ALUMINUM GLAZING (Fixed) of alluminium section of size 100.00x50.00x3.00mm (of Jindal section no: 14064 @ wt. of 2.332 kg/rum) at top/sides/intermediate/bottom of Jindal make with colour anodized alluminium frame with 5mm thick reflective glass of Saint Globain make of approved colour and 3mm thick perforated alluminium composite panel of approved design in some portion for air circulation fixing with EPDM rubber gasket / ring, powder coated screws, wall fixtures & fastenings, alluminium cleats as per details &	15.20	Sq.m	3590.36	54573.47

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
56	Providing and fixing GLAZED LOUVERED GLASS VENTILATOR with teak wood frame 10cmx7cm including S.S. jali having S.S. wire of average aperture 1.40mm and wire dia. of 0.63mm fixing with indian teak wood beading patti and applying primer coat and three coats of oil painting (Asian/Berger make) to wood work etc., complete. as per detail drawing and as directed by the E.I.C.	1.45	Sq.m	4605.60	6678.12
57	Providing and fixing M.S. GRILL of required pattern (Fixed / Openable) 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.	1869.70	Kg	68.55	128158.59
58	Providing and fixing M.S. PIPE for ELEVATION TREATMENT (Fixed / openable) consisting of 50mmx25mm square MS pipe @ 2.00 kg./m, ISA 50x50x6, ISA 35x35x6 and M.S. flat 40mmx6mm including welding, grinding, fixing in position with necessary fixtures and fastenings, screws, hinges, 12mm dia aldrap and including 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.	20.20	Ru.m	3130.73	63240.75
59	Providing, fabricating and fixing STAINLESS STEEL RAILING of AISI-304 grade, using 50mm dia. stainless steel pipe of 16 gauge, 3 nos. 16mm dia. S.S. pipe of 16 gauge, round balustrade of 38mm with complete assembly of S.S. studs to house the horizontal 16mm pipes and top hand rail, bend and coupler to be used as per architectural detail drawings, for the railing, in parapet, Stair.... etc. including fabricating, hoisting, fixing in position with angle cleats, holdfast etc. in RCC or masonry, in true line, level and plumb, including matt polishing and buffing, complete, including scaffolding etc. complete as per detailed drawings & directed by E.I.C.	12.20	Ru.m	2400.00	29280.00
60	Providing and Applying WHITE WASHING with lime on <u>wall surfaces</u> (three coats) to give an even shade including thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including scaffolding etc. complete as directed by E.I.C.	436.75	Sq.m	11.21	4895.97

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
61	Providing and Applying WHITE WASHING with lime on <u>ceilling surfaces</u> (three coats) to give an even shade including thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including scaffolding etc. complete as directed by E.I.C.	171.80	Sq.m	11.92	2047.86
62	Providing, applying and finishing wall with two coats of ASIAN, APEX ULTIMA PAINT/Berger on <u>exteranal wall surafce</u> 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.	550.80	Sq.m	97.97	53961.88
63	Providing and laying white glazed tiles equal size pieces for CHINA MOSAIC WATER PROOFING TREATEMENT to terrace including cleaning the surface, Opening the cracks in 'V' groove pattern & filling the same with cement mortar in 1:1 (1 cement: 1 sand) including brick bat bedding as to have proper slope over a layer of CM 1:3 (1 cement: 3 sand) and filling the joints with CM 1:1 including finishing the top surface with 20mm equal size white glazed tiles pieces including roun shape vata, with filling white cement in joints, using chemical water proofing as per mfg., specification & standards with cleaning top surface using acid including drip moulding at the junction of vata & plaster etc.. complete as directed	57.30	Sq.m	613.00	35124.90
64	Providing & applying CHEMICAL WATER PROOFING treatment to the terrace including <u>Surface cleaning</u> : All surface shall be thoroughly cleaned with mechanical means or wire brush to remove dust dirt & all loose portion from the surface of terrace & parapet wall.& wash with water. <u>Surface preparing</u> : All cracks will be opened in V-shape & sealed wirh Dr Fixit Crack X Paste & any patch work will be repaired with polymer modified mortar, providing and applying two coat of Dr.Fixit pidifine 2K on entire inside area of sunk. Two coat of Dr.fixit pidifine 2K(10 kg Powder + 5 lit Liquid) shall be applied on ready surface in vertically & horizontally direction which is brsh applied waterproofing coating & provides excellent impermeable coating & flexible enough to take care of minor cracks in concrete & plaster & good adhesion with cementitious surfaces	39.75	Sq.m	322.60	12823.35

It. No	Description	Total Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
65	Providing & Laying CINDER FILLING in Sunk slab including compacting manually with rammer and finishing true line & level <u>at all floor level</u> etc.. complete as directed by E.I.C.	1.50	Cu.m	1055.80	1583.70
66	Providing and laying CEMENT CONCRETE 1:3:6 (1 cement : 3 coarse sand : 6 hand broken stone aggregates 40 mm nominal size) and curing consolidation with rammers complete excluding cost of form work <u>above floor Two level to floor Three level</u> etc., complete as directed by E.I.C.	0.65	Cu.m	2483.79	1614.46
67	Providing and Fixing PVC Water Tank of Sintex Pure Water tanks of below mentioned features: Anitlbacterial, Virgin plastic, Food grade plastic, 100% UV stabilised, rust proof, brighter, stronger, protection against algae formation, maintainamnce free, triple layer well packed lid of required capacity including inlet & outlet nipple, fixing with pipe line & testing the same etc complete as directed by E.I.C.	1000.00	Litre	10.10	10100.00
TOTAL COST OF CIVIL WORKS					2413261.02

Sign of contractor

Executive Engineer
Anand Agricultural University,
Anand.