

ANAND AGRICULTURAL UNIVERSITY
ANAND

Name of work : Construction of Goat shed for Veterinary college at A.A.U., Anand.

A. GOAT SHED

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 , refilling of trenches etc . complete as directed by Engineer-in-charge	91.45 Cmt.	83.00	Cmt.	7590.08
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.	25.25 Cmt.	2723.00	Cmt.	68755.75
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.	10.20 Cmt.	5760.00	Cmt.	58751.86
4	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.	52.35 Cmt.	3496.00	Cmt.	183015.60
5	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.	11.05 Cmt.	53.35	Cmt.	589.52
6	Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering ramming and Consolidating etc. complete.	48.80 Cmt.	306.00	Cmt.	14932.80

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 COLUMNS for cross sectional area 0.05 to 0.08 sqm... etc., complete above plinth level upto floor two level as directed by E.I.C	3.15 Cmt.	8062.05	Cmt.	25366.32
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.	2.75 Cmt.	5671.30	Cmt.	15596.08
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.	0.30 Cmt.	7438.05	Cmt.	2206.87
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 CHHAJA for any cross sectional area... etc., complete above plinth level upto floor two level as directed by E.I.C.	0.15 Cmt.	6775.05	Cmt.	1016.26
11	Providing and laying Fe -415 (Tata tisco , Kamdhenu, Nilkanth, NRE, Galent, National, 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.	1560.00 Kgs.	54.90	Kg.	85644.00

12	Providing, laying and constructing Brick work using common burnt clay conventional building bricks having crushing strength not less than 35 Kg./Cm2 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.	17.10 Cmt.	3610.00	Cmt.	61731.00
13	Providing, laying and constructing half brick masonry work with conventional building bricks having crushing strength not less than 35 Kg./Cm2 for super structure for F .F. in cement mortar (1:4) (1 Cement, 4 fine sand) including 8mm Dia bar at every 0.30m distnce ranking out joints, curing scaffolding etc. complete. .	75.65 Smt.	502.85	Smt.	38042.61
14	Providing & fixing steel work welded, in built up sections, framed work including cutting, hositing, fixing in position and applying a priming coat of red lead paint (A) In beams and joists, channels, angles, tees, flats with connecting plates or angle cleats as in main and cross beams, hip and trussed purlins connected to common rafters including applying red oxide & two coat of oil paint of asian/bergers with cleaning of MS member etc complete as per drawing and as directed by EIC.	20.60 Qtl.	6921.00	Qtl.	142572.60
15	Providing, supplying and fixing profile cut 65mm dia medium grade G . I. pipes of tata , jindal, asian, prayag, ambika make with M . S. Flat Hold Fast includng welding and fixing in true line and level including applying red oxide & two coat of oil paint of asian /berger to hold ms member as per drawing etc . complete as directed by Engineer-in-charge.	10.00 Rmt.	782.80	Rmt.	7828.00
16	Providing and fixing M.S. sliding gate fabricated from M.S. Angle 50 x 50 x 6mm for door & support frame with M.S.T 50 x 50 x 6mm & M.S. flat 35 x 6mm including fixing with tata make 20 x 20 x 12 gauge galvanized crimped jali with welding, cutting carting & necessary fasting etc. completed with 4 nos. M.S. roller with applying red oxide & two coat of oil paint of asian/berger to ms member etc . completed as per drawing & as directed by EIC.	8.10 Smt.	3445.90	Smt.	27911.79
17	Providing and fixing 6mm thick Everest , Lotus, Ramco, Charminar asbestos cement roofing accessories with galvenised j or l hooks bolts and nuts , G.I. plain & double bitumen washers ets., complete for north hight and ventilator covers	151.25 Smt.	415.00	Smt.	62768.75

18	Providing & fixing ridges & hips asbetos cement sheets roofing with G.I . "J " or " L " hooks bolts & nuts, G .I plains & double bitumen washers completed (D) north light adjustable of ridge .	13.75 Rmt.	149.00	Rmt.	2048.75
19	Providing & laying 50 mm thick cement concrete IPS flooring 1 :2 :4 (1 cement : 2 course sand :4 graded stone aggregate 20mm nominal size) laid in one layer finished with a floating cost of neat cement , making 300 x300 mm size falce with cotton string , curing, centring etc complete in proper slop & levels ad directed by EIC.	105.40 Smt.	269.00	Smt.	28352.60
20	Providing & laying brick on edge flooring laid and grouted with C .M. 1 : 6 including finishing the joint by pointing,curing etc., complete	24.30 smt	435.00	Smt.	10570.50
21	Providing and laying and fixing to wall ceiling floor and under ground 'c' class tata/ jindal/ asian / ambika, prayag make medium grad galvanised mild steel tubes including providing such tees, elbows, union, coupling fitting of aproved make as required clamps etc. complete as directed by Engineer-in-charge.				
a.	-- do -- for 25mm. Dia	60.00 Rmt.	319.00	Rmt.	19140.00
b.	-- do -- for 15mm. Dia	30.00 Rmt.	184.00	Rmt.	5520.00
22	Providing and fixing 25mm dia zoloto bronze handle valve including testing etc . complete as directed by Engineer-in-charge.	2.00 Nos.	575.00	No.	1150.00
23	Providing and fixing 15mm dia . Brass polished bright screw down Bib tap of JAGUAR modal no. continental full turn code on -037 KN water tap/Aquel-Grenel GR -06-20 including fixing in pipeline and testing the same etc . complete as directed by EIC.	10.00 Nos.	599.95	No.	5999.50
24	Providing and fixing tata make 20mm x 20mm x 12 Guage galvanized Crimped Jali with M .S. double angle Vertical column 50x50x6 mm, M.S. Angle frame 35x35x6 mm, M.S.Flat 35x6 mm on each side as and where required as per drawing. Fitted Crimped Jali with Nut Bolts and necessary fastening including applying red oxide & two coat of oil paint of asia / berger make etc., completed as directed by Engineer - in - charge.	99.00 Smt.	3064.60	Smt.	303395.40

25	Providing and fixing tata make 20mm x 20mm x12G galvanized Crimped Jali in gate (750mm x 1800mm size) using M .S. angle column 35x35x6 mm, M.S. flat 35X35X6 mm Fitted crimped jail with bolts and necessary fastening etc. completed as per drawing including applying red oxide & two coat of oil paint of Asian/ berged make etc complete as directed by Engineer - in - charge.	33.75 Smt.	3760.45	Smt.	126915.19
26	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 masonry etc complete as directed by E.I.C.	331.20 Smt.	157.20	Smt.	52064.64
27	Providing and applying three coats of white washing with lime on wall 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.	331.20 Smt.	7.58	Smt.	2510.50
28	Providing and fixing concealed center point to wall ceiling & floor 40mm dia CPVC (SDR 13.5) pipe having National Sanitation Foundation (NSF) seal for potabale water of 40 mm nominal bore tube fitting & clamps including making good the wall, celling & floor etc.	10.00 Rmt.	396.00	Rmt.	3960.00
29	Providing and fixing 40mm dia zoloto bronze handle valve including testing etc . complete as directed by Engineer-in-charge.	1.00 nos.	907.00	no.	907.00
					1366853.96

Executive Engineer

ANAND AGRICULTURAL UNIVERSITY
ANAND

Name of work :Construction of Godown for Goat shed at A.A.U., Anand

B. GODOWN

A : GROUND FLOOR

SCHEDULE : B :

Item 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.	38.10 Cmt.	83.00	Cmt.	3162.30
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.	7.50 Cmt.	2723.00	Cmt.	20422.50
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.	5.25 Cmt.	5757.00	Cmt.	30250.16
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 GROUND BEAMS for any type of cross sectional area etc., complete as directed by EIC	1.60 Cmt.	5672.00	Cmt.	9075.20

5	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.	3.65 Cmt	3496.00	Cmt	12760.40
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 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.	2.45 Cmt.	7649.05	Cmt.	18740.17
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 COPING for any type of cross sectional area etc complete as directed by E.I.C.	0.45 Cmt	5671.30	Cmt	2556.62
8	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.	18.95 Cmt.	3610.00	Cmt.	68409.50
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.	0.68 Cmt.	7438.05	Cmt.	5029.61
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.	2.05 Cmt.	7649.05	Cmt.	15680.55
11	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.	4.40 Cmt.	5374.25	Cmt.	23646.70
12	Providing and laying Fe -415 (Tata tisco , Kamdhenu, Nilkanth, NRE, Galent, National, 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.	1688.15 Kgs.	54.90	Kg.	92679.44

13.a	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 masonry etc complete as directed by E.I.C.	95.45 Smt.	157.20	Smt.	15004.74
13.b	-- do -- for Ceiling	32.10 Smt.	164.50	Smt.	5280.45
14	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.	125.50 Smt.	242.05	Smt.	30377.28
15	Providing and applying three coats of white washing with lime on wall 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.	127.55 Smt.	7.58	Smt.	966.83
16	Finishing wall with water proofing cement paint on wall surface (three coat) to give an approved brand and manufactures and of required shape even after thoroughly brusing the surface to emove all dirts, and remains of loose powdered material using proofing cement paint of approved brand manufacture etc complete as directed by EIC.	125.50 Smt.	57.35	Smt.	7197.43

17	Providing & laying 50 mm thick cement concrete IPS flooring 1 :2 :4 (1 cement : 2 course sand :4 graded stone aggregate 20mm nominal size) laid in one layer finished with a floating cost of neat cement , making 300 x300 mm size falce with cotton string, curing, centring etc complete in proper slop & levels ad directed by EIC.	31.50 Smt.	269.00	Smt.	8473.50
18	Providing and fixing glazed louvered glass ventilators with Indian teak wood frame of 10cm x 7cm including p /f 12mm dia M .S. bar & applying wood primer and two coat of oil paint of Asian / Berger of approved shade etc complete as per drawing & as directed by EIC.	2.90 Smt.	3511.00	Smt.	10181.90
19	Providing and Fixing M .S. Plate Shutter including m .s. Angle frame 35x35x6 thick with m .s. angle shutter frame m .s. angle frame 35x35x6 thick , m.s plate and 2mm thick m .s. plate including m .s. hinges (6 Nos.) M.S. Aldrop (2 Nos.) with necessary welding carting fixing and labourincluding applying red oxide and two coat of enamel paint of asin / berger etc . completed as per drawing & as directed by Engineer - in - charge.	10.20 Smt.	2399.75	Smt	24477.45
					404372.72

Executive Engineer

ANAND AGRICULTURAL UNIVERSITY
ANAND

Name of work :Construction of Godown for Goat shed at A.A.U., Anand

B. GODOWN

1. CIVIL WORKS

B : TERRACE

SCHEDULE : B :

Item no	Description of Item	Qty.	Rate	Per	Amount
1	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.	5.50 Cmt.	3610.00	Cmt.	19855.00
2	Providing and applying 15mm thick smooth cement plaster in single coat on brick / concrete wall for interior /exterior plastering up to floor two level in true line and level in C.M. 1:4 (1 cement : 4 coarse sand) including finishing even and smooth with floating coat of neat cement slurry , including providing and fixing 100 to 150mm strip of chicken net at horizontal and vertical joints of RCC and masonry including scaffolding curing etc complete as directed by Engineer in-charge.	20.00 Smt.	167.17	Smt.	3343.40
3	Providing and applying three coats of white washing with lime on wall 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.	20.00 Smt.	7.58	Smt.	151.60

<p>4 Providing and laying white glazed tiles equal size pieces for CHINA MOSAIC WATER PROOFING TREATMENT 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 equal size white glazed tiles pieces including round 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 by E.I.C.</p>	5.00	613.00	Smt.	3065.00
			Rs.	26415.00

Executive Engineer