

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU****SUMMARY OF BID PRICE**

S-No	Description		Schedule Items Cost (Rs)	Non Schedule Items Cost (Rs)	Total Cost (S.I +N.S.I) (Rs)
1	CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU		101,613,341.90	5,153,836.46	106,767,178.36
	% age (Above/Below )	In Figure			
		In Word			
	TOTAL BID AMOUNT QUOTED				

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT  
HANGU**

**BoQ**

**SUMMARY**

S.No	Description	S.I Amount (RS)	N.S.I Amount (RS)	Remarks
1	<b>Sub Head: 1 :- MAIN ENTRY GATE</b>			
	1.1 MAIN ENTRY GATE CIVIL WORKS	30,652,572.82	1,268,646.56	
	1.2 MAIN ENTRY GATE PLUMBING WORK	570,257.58	-	
	1.3 MAIN ENTRY GATE ELECTRICAL WORK	2,692,967.32	-	
	<b>Total</b>	<b>33,915,797.72</b>	<b>1,268,646.56</b>	
2	<b>Sub Head: 2 :- .BOUNDARY WALL</b>			
	Sub Head: 2 :- .BOUNDARY WALL	640,532.81	45,299.51	
	<b>Total</b>	<b>640,532.81</b>	<b>45,299.51</b>	
3	<b>Sub Head: 3 :- LANDSCAPING</b>			
	Sub Head: 3 :- LANDSCAPING	23,629,355.00	2,941,716.84	
	<b>Total</b>	<b>23,629,355.00</b>	<b>2,941,716.84</b>	
4	<b>Sub Head: 4 :- ROAD WORKS</b>			
	Sub Head: 4 :- ROAD WORKS	38,588,925.80	898,173.55	
	<b>Total</b>	<b>38,588,925.80</b>	<b>898,173.55</b>	
	<b>Total (S-1+S-2+S-3+S-4)</b>	<b>96,774,611.33</b>	<b>5,153,836.46</b>	
	<b>Schedule Items Cost ..... (A)</b>	<b>96,774,611.33</b>		
	<b>Area Factor @ 5% .....(B)</b>	<b>4,838,730.57</b>		
	<b>Sub Total ...(C=A+B)</b>	<b>101,613,341.90</b>		
	<b>Non Schedule Items Cost .....(D)</b>	<b>5,153,836.46</b>		
	<b>Total ....(E=C+D)</b>	<b>106,767,178.36</b>		

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
<b>Sub Head: 1 :- MAIN ENTRY GATE</b>							
<b>1.1 MAIN ENTRY GATE CIVIL WORKS</b>							
<b>Schedule Items</b>							
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel or as per direction of the Consultant/ Engineer Incharge.	m3	328.17	456.35	149,760.38	
2	28-15	Pre anti Termite Treatment in the building mixed with water of mixing ratio as per the manufacturer's certified manual or as per direction of the Consultant/ Engineer Incharge.	m2	95.73	505.42	48,383.86	
3	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8) or as per direction of the Consultant/ Engineer Incharge.	m3	6,359.02	25.21	160,310.89	
4	06-05-f	Plain Cement Concrete includir g placing, compacting, finishing & curing (Ratio 1:2:4) or as per direction of the Consultant/ Engineer Incharge.	m3	8,358.28	15.35	128,299.60	
5	06-07-b-02	RCC in raft foundation slab, base slab of column & ret.wall etc, not including in 06-06 (1:1.5:3) or as per direction of the Consultant/ Engineer Incharge.	m3	10,994.23	101.71	1,118,223.13	
6	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3) G & F FlooR or as per direction of the Consultant/ Engineer Incharge.	m3	10,995.05	140.43	1,544,034.87	
7	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3) S.FlooR or as per direction of the Consultant/ Engineer Incharge.	m3	10,995.05	188.34	2,070,807.72	
8	06-07-e	Add extra labour for RCC in 2nd & subsequent storeys or as per direction of the Consultant/ Engineer Incharge.	m3	797.76	188.34	150,250.12	
9	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60) or as per direction of the Consultant/ Engineer Incharge.	Tonne	163,656.50	60.11	9,837,392.22	
10	06-08-c	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 40) or as per direction of the Consultant/ Engineer Incharge.	Tonne	159,981.50	28.00	4,479,482.00	
11	06-26-b-02	Damp proof course of cem. conc. 1:2:4 including bitumen coat, 1 layer polythene & 2 coats bitumen (2" thick) or as per direction of the Consultant/ Engineer Incharge.	m2	1,020.54	30.72	31,350.99	
12	06-30-a-04	V. Damp proof c/s plaster, 1 layer polythene 1 coat bitumen Ratio 1:3 (0.75" thick) or as per direction of the Consultant/ Engineer Incharge.	m2	714.78	415.74	297,162.64	
13	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4 or as per direction of the Consultant/ Engineer Incharge.	m3	9,555.71	71.18	680,175.44	
14	07-05-a-05	1st class brick work in ground floor Cement, sand mortar 1:6 or as per direction of the Consultant/ Engineer Incharge.	m3	9,897.65	93.54	925,826.18	
15	07-05-a-05	1st class brick work in First floor Cement, sand mortar 1:6 or as per direction of the Consultant/ Engineer Incharge.	m3	9,897.65	47.47	469,841.45	
16	07-06-a	Add ex!ra on item No.07-05 for bricwork in First floor or as per direction of the Consultant/ Engineer Incharge.	m3	416.18	47.47	19,756.06	

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17	07-05-a-05	1st class brick work in 2nd floor Cement, sand mortar 1:6 or as per direction of the Consultant/ Engineer Incharge.	m3	9,897.65	41.52	410,950.43	
18	07-06-b	Add extra on item No.07-05 for brick work in in Second floor or as per direction of the Consultant/ Engineer Incharge.	m3	948.02	41.52	39,361.79	
19	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick G/F Floors or as per direction of the Consultant/ Engineer Incharge.	m2	297.37	831.75	247,337.50	
20	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick 2nd Floors or as per direction of the Consultant/ Engineer Incharge.	m2	297.37	60.54	18,002.78	
21	11-26	Extra for lime, mud or cement plaster & pointing from 20' & above for each additional 10' height in second floor or as per direction of the Consultant/Engineer Incharge.	m2	39.70	60.54	2,403.44	
22	11-10-b	Cement plaster 3/8" thick under soffit of RCC roof slabs only upto 20' height: (1:3) G/F Floors or as per direction of the Consultant/ Engineer Incharge.	m2	291.20	176.27	51,329.82	
23	11-10-b	Cement plaster 3/8" thick under soffit of RCC roof slabs only upto 20' height: (1:3) 2nd Floor or as per direction of the Consultant/ Engineer Incharge.	m2	291.20	189.51	55,185.31	
24	11-26	Extra for lime, mud or cement plaster & pointing from 20' & above for each additional 10' height in second floor or as per direction of the Consultant/Engineer Incharge.	m2	39.70	189.51	7,523.55	
25	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick G/F Floors or as per direction of the Consultant/ Engineer Incharge.	m2	308.30	1208.83	372,682.29	
26	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick 2nd Floor or as per direction of the Consultant/ Engineer Incharge.	m2	308.30	2148.41	662,354.80	
27	11-26	Extra for lime, mud or cement plaster & pointing from 20' & above for each additional 10' height in second floor or as per direction of the Consultant/Engineer Incharge.	m2	39.70	2148.41	85,291.88	
28	11-30-d	Extra labour for Design plaster including cost of scaffolding up to any height complete in all respects or as per direction of the Consultant/ Engineer Incharge.	m2	42.34	1416.21	59,962.33	
29	11-21-a-02	Distemping New surface : Two coats or as per direction of the Consultant/ Engineer Incharge.	m2	116.92	283.89	33,192.42	
30	13-03-i	Providing and applying 3 coats of approved type of Plastic emulsion paint to Plastic surface as per manufacture specification.	m2	467.45	724.13	338,494.57	
31	13-25-a	Preparing surface & painting with snowcem / weathershield paint: First coat or as per direction of the Consultant/ Engineer Incharge.	m2	204.92	740.63	151,769.90	
32	13-25-b	Preparing surface & painting with snowcem / weathershield paint : 2nd & subsequent coats or as per direction of the Consultant/ Engineer Incharge.	m2	101.27	740.63	75,003.60	
33	11-32	Preparing surface & painting with snowcem / weathershield paint : 2nd & subsequent coats or as per direction of the Consultant/ Engineer Incharge.	m2	101.27	740.63	75,003.60	

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S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
34	12-64-d-01	Supply and Fixing aluminium door/window, Premium model (Gauge 2 mm) 4" sect. Sliding window or as per direction of the Consultant/ Engineer Incharge.	m2	17,247.60	22.21	383,069.20	
35	07-30	Supplying and filling sand under floor or plugging in wells or as per direction of the Consultant/ Engineer Incharge.	m3	1,318.89	23.88	31,495.09	
36	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6) or as per direction of the Consultant/ Engineer Incharge.	m3	7,058.77	2.79	19,693.97	
37	10-47-a	Provide & fix glass strip 1.5" wide for dividing the floors into panels : 5mm thick or as per direction of the Consultant/ Engineer Incharge.	m	76.31	441.46	33,687.81	
38	10-26-d-i	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 0.875" thick 12 x 12 Super Sunny White Marble or as per direction of the Consultant/ Engineer Incharge.	m2	1,919.87	72.22	138,653.01	
39	10-61-d	Providing and Laying marble fine dressed stone flooring on surface in white cement complete using Veroona/Lasbela marble 12"x12"x3/4" thickor as per direction of the Consultant/ Engineer Incharge.	m2	2,292.04	70.89	162,482.72	
40	10-44	Providing and laying 1/2" thick Parlinou marble in dado / skirting with matching colour mortar in joints set over 1/2" thick rough cast 1:4 cement sand plaster or as per direction of the Consultant/ Engineer Incharge.	m2	1,330.33	25.8	34,322.51	
41	10-50-a	Providing and Fixing Ceramic Floor Tiles of approved quality of Size : 12" X 12" or as per direction of the Consultant/ Engineer Incharge.	m2	1,657.04	20.62	34,168.16	
42	10-39-a	Glazed tile 1/4" thick dado jointed in white cement complete : White Plain tiles or as per direction of the Consultant/ Engineer Incharge.	m2	1,365.09	41.43	56,555.68	
43	10-26-e	Providing and Laying marble fine dressed stone 4-5 feet and 12" wide 1" thick for stairs steps or as per direction of the Consultant/ Engineer Incharge.	m2	1,475.98	21.55	31,807.37	
44	09-20-a	Cast iron rain water down pipe fi ed in position excluding heads & shoes : 4" dia or as per direction of the Consultant/ Engineer Incharge.	m	2,158.66	47.24	101,975.10	
45	09-21	Heads for cast iron rain water down pipe fixed in place including cost of clamp holdfast and painting or as per direction of the Consultant/ Engineer Incharge.	Each	1,502.70	6	9,016.20	
46	09-22	Shoes, bends or offsets for cast iron ran water down pipe, including fixing & painting or as per direction of the Consultant/ Engineer Incharge.	Each	1,143.84	6	6,863.04	
47	09-01	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	m2	2,500.20	128.32	320,825.66	
48	09-16	Khuras on roof 2'X2'x6" or as per direction of the Consultant/ Engineer Incharge.	Each	826.03	6	4,956.18	
49	06-23	Fill expansion joints with bitumen, sand & saw dust in Ratio 1:2:2 or as per direction of the Consultant/ Engineer Incharge.	m	105.59	38.25	4,038.82	
50	06-25-a	Providing and fixing of 2" thick Extruded Polystyrene at expansion joints and in roof insulation or as per direction of the Consultant/ Engineer Incharge.	m2	1,130.85	107.02	121,023.57	

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S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
51	06-25-d	Providing and fixing 4.89 kg/sq.m aluminum sheet covering of approved shape and design to expansion joints of roof slabs with slotted holes with wooden gullies and screws or as per direction of the Consultant/ Engineer Incharge.	m2	2,038.21	1.65	3,363.05	
52	06-25-e	Providing and fixing 4.89 kg/sq.m. aluminum sheet covering of approved shape and design to expansion joints in walls and columns including providing clamps and fixing with screws and rawal plugs or wooden gutties including making slotted holes or as per direction of the Consultant/ Engineer Incharge.	m2	3,740.20	5.67	21,206.93	
53	12-78-a	Kitchen Floor Cabinet as per MES Design/Specification or as per direction of the Consultant/ Engineer Incharge.	m2	12,839.96	0.56	7,190.38	
54	12-78-b	Kitchen Wall Cabinet as per MES Design/Specification or as per direction of the Consultant/ Engineer Incharge.	m2	8,605.59	0.74	6,368.14	
55	12-70-a	Supply and Fixing MS Sheet 16 guage(10" x 2") box type chowkats including fixing in position with all charges for Hold fast, Hinges and Painting etc or as per direction of the Consultant/ Engineer Incharge.	m	1,162.59	80.03	93,042.08	
56	12-28-b	Providing and fixing wooden box type wardrobe 24" (600 mm) deep including 3/4" 19mm) thick boxing and shelves hanger rods, hardboard 3/16" (5mm) thick back drawers, brass fitting, locking arrangement, handles, internal bolts, shoe rods including paintin or as per direction of the Consultant/ Engineer Incharge.	m2	10,387.83	8.36	86,842.26	
57	12-24-a-01	Extra for providing/fixing approved quality Rim locks : Imported or as per direction of the Consultant/ Engineer Incharge.	Each	2,044.00	6	12,264.00	
58	12-05-b	P/F of 1-1/2" thick teak wood joinery readymade brazillian door fully Painted (polished) both sides facing complete in all respects (polished instead of paint) or as per direction of the Consultant/ Engineer Incharge.	m2	8,118.11	29.37	238,428.89	
59	11-20-b	Providing and applying wall putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete or as per direction of the Consultant/ Engineer Incharge.	m2	48.61	1008.02	48,999.85	
60	25-47	Supply and fixing of fancy type stainless steel chromium plate 2" dia pipes stair railing 3/4" dia pipe fixed on specified space on steps in horizontal positions, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	m	4,646.49	29.26	135,956.30	
61	03-18-a	Filling, watering and ramming earth under floor with surplus earth from foundation, etc or as per direction of the Consultant/ Engineer Incharge.	m3	79.78	34.49	2,751.61	
62	06-47-d	Erection and removal of Form work with M.S.Pipe Scaffolding & Plywood Sheet for RCC or Plain Concrete (Vertical) or as per direction of the Consultant/ Engineer Incharge.	m2	1,038.92	1138.63	1,182,945.48	

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**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
63	06-47-c	Erection and removal of Form work with M.S.Pipe Scaffolding & Plywood Sheet for RCC or Plain Concrete (horizontal) or as per direction of the Consultant/ Engineer Incharge.	m2	973.01	526.25	512,046.51	
64	06-47-b	Erection and removal of steel Form work for RCC or Plain Concrete (vertical) or as per direction of the Consultant/ Engineer Incharge.	m2	718.55	627.97	451,227.84	
65	14-155	Galvanised MS ladder rings 3/4" dia inside and outside water tanks; Each rung of 12" width, 6" projected outside the wall and 6" embedded in RCC on both ends; including all necessary works for complete installation. or as per direction of the Consultant/ Engineer Incharge.	kg	353.45	100	35,345.00	
66	12-57-a	Providing and fixing single leaf steel door with frame fully panelled with M.S sheet 16 gauge (1.59mm) painted with two coats of red oxide paint with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls or as per direction of the Consultant/ Engineer Incharge.	m2	8,223.62	11.71	96,298.59	
67	28-18	Providing and fixing with steel nails and washers, the chicken wire mesh of approved quality, at joint of concrete and masonry work and on concrete surface before plastering etc complete or as per direction of the Consultant/ Engineer Incharge.	m2	913.02	1416.21	1,293,028.05	
68	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft or as per direction of the Consultant/ Engineer Incharge.	m2	212.95	627.97	133,726.21	
<b>Total (SI)</b>						<b>30,652,572.82</b>	
<b>Non Schedule Items</b>							
69	NSI	Providing & applying wall finish coat of any colour Graffiate wall coating 1.5 mm - 3 mm thick for exterior surface at any height and any floor (including Scaffolding) complete in all respects or as per direction of the Consultant/Engineer Incharge.	m2	387.00	1416.21	548,073.27	
70	NSI	Providing, Laying and Curing gola of 1:2:4 Cement concrete,in triangular cross section shape (4.5" wide (base) and 4.5" height (perpendicular) at all the corners of roof along parapet wall including cutting of wall or columns for making space complete in all respects or as per direction of the Consultant/ Engineer Incharge.	m	243.00	282.47	68,640.21	
71	NSI	Providing and instalation Alphabet (36" height, 3" depth and width as per approved design) of Standard Grade High Quality Brass 10 mm thick, back sheet of interpenetrating polymer network sheet cutouts for back side rusting proofing cutting os plymer sheet through laser cutting (Golden colour), approved design and specification including cost of all items used for fixing along scaffolding Complete in all respects or as per instructions of the Engineer incharge	Each	15,343.00	16	245,488.00	

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**ABSTRACT OF COST**

**BoQ**

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72	NSI	Providing & fixing square bar iron grills 3/4"x3/4". 6" x 8" spacing V&H respectively including wire guaze 12x24 , angle iron frame 1-1/4"x1/8", iron clad 1/2"x1/8" for wire guaze,Screw or nail for fixing,3 caots enamel paint as per approved drawing and design complete in all respects or as per direction of the Consultant/Engineer Incharge.	m2	11,868.00	24.81	294,445.08	
73	NSI	Providing & fixing hooks, Alfas and other fixing accessories for gate fixing in wall, painting 3 coats of enamel paint (approved colour and quality) with redoxide, approved size, shape and quality of the hooks and other fixing accessories as per drawing and specifications complete in all respects (finished) or as per direction of the Consultant/Engineer Incharge	Kg	280.00	400.00	112,000.00	
<b>Sub Total Cost (NSI)</b>						<b>1,268,646.56</b>	
<b>Sub Total Cost (SI+NSI) (1.1)</b>						<b>31,921,219.38</b>	

**1.2 MAIN ENTRY GATE PLUMBING WORK**

**SCHEDULE ITEMS**

73	24-30-b-03	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects (32 mm dia) PN-10 or as per direction of the Consultant/ Engineer Incharge.	m	213.26	250.00	53,315.00	
74	14-71-a	Providing and Fixing of polydex high pressure PPR (green including testing ect complete 25 mm(including all special etc) or as per direction of the Consultant/ Engineer Incharge.	m	410.77	24.00	9,858.48	
75	14-71-b	Providing and Fixing of polydex high pressure PPR (green including testing ect complete 20 mm (including all special etc) or as per direction of the Consultant/ Engineer Incharge.	m	324.69	24.00	7,792.56	
76	14-21-c	chromium plated (CP) double bib cock, heavy duty of approved quality : 1.5 cm (1/2") or as per direction of the Consultant/ Engineer Incharge.	Each	938.42	2	1,876.84	
77	14-01-b	Providing and Fixing glazed earthen ware WC European type of approved make/size excluding cost of seat & cover, complete in all respects: Coloured or as per direction of the Consultant/ Engineer Incharge.	Each	10,132.73	1	10,132.73	
78	14-02-b	Providing and Fixing double seat & cover only: Plastic Each or as per direction of the Consultant/ Engineer Incharge.	Each	928.91	1	928.91	
79	14-03-b	Providing and Fixing glazed earthen ware WC squatting type with built-in foot rests complete in all respects : Coloured or as per direction of the Consultant/ Engineer Incharge.	Each	2,313.32	2	4,626.64	
80	14-10-b	Providing and Fixing glazed earthen ware low down flushing cistern 3 gallons (13.63 Liters) capacity including bracket set, copper connection, etc, complete in all respects: Coloured or as per direction of the Consultant/ Engineer Incharge.	Each	3,951.96	2	7,903.92	



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S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
81	14-31-b	Providing and Fixing cast iron (CI) floor trap approved quality including CI grating & concrete chamber all round: 4"x3" (100 mm x 75 mm) or as per direction of the Consultant/ Engineer Incharge.	Each	965.63	3	2,896.89	
82	14-05-b-01	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 63x45 cm (25"x18"). including bracket set, waste coupling, complete in all respects: Coloured with pedestal - (Normal Quality) or as per direction of the Consultant/ Engineer Incharge.	Each	5,437.49	2	10,874.98	
83	14-87	Providing and fixing Providing and Fixing of Bath accessories set (choricum plated (C) soap dish, CP toilet paper holder, towel rail, best quality looking glass 5 mm thick neatly fitted with Mirror 60 x 45 cm (24"x18") size, glazed earthenware shelf (60x13 cm) 24"x5" with chorium plated (CP) brackets & railing) complete in all respect or as per direction of the Consultant/ Engineer Incharge.	Each	5,949.44	2	11,898.88	
84	14-28-b	Providing and fixing gun metal peet/ gate valve (screwed) 40 mm 1-1/2" dia of approved quality or as per direction of the Consultant/ Engineer Incharge.	Each	2,163.42	2	4,326.84	
85	14-28-a	Providing and fixing gun metal peet/ gate valve (screwed) 32 mm (1.1/4") dia of approved quality or as per direction of the Consultant/ Engineer Incharge.	Each	1,903.72	2	3,807.44	
86	14-28-g	Providing and fixing gun metal peet/gate valve (screwed) 25 mm (1") dia of approved quality or as per direction of the Consultant/ Engineer Incharge.	Each	1,587.67	2	3,175.34	
87	14-32-a	Providing and Fixing 'P' trap of approved quality including GI grating & PCC chamber 4" (100 mm) of cast iron (Best Quality) or as per direction of the Consultant/ Engineer Incharge.	Each	1,603.71	3	4,811.13	
88	14-70-a	Providing and Fixing of pipe type B nikasi system including testing in all respect 110 mm or as per direction of the Consultant/ Engineer Incharge.	m	2,589.75	26	67,333.50	
89	14-70-b	Providing and Fixing of pipe type B nikasi system including testing in all respect 75 mm or as per direction of the Consultant/ Engineer Incharge.	m	1,463.22	32	46,823.04	
90	06-07-d-05	Providing manhole size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia. Concrete Cover fixed in 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces, channels and benching including making requisite number of main and branch channels but excluding the cost of excavation, back filling and disposal of excavated stuff or as per direction of the Consultant/ Engineer Incharge.	Each	14,080.38	6	84,482.28	

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
91	14-06-a	Providing and Fixing stainless steel sink with drain board size (120 x 60 cm) 48"x24", including set of brackets, waste pipe etc - (Best Quality) or as per direction of the Consultant/ Engineer Incharge.	Each	6,489.11	2	12,978.22	
92	14-33	Providing and Fixing 4" gully trap of approved quality including cement concrete cost of PVC grating 6" x6" (150 x 150 mm) and masonry chamber 12"x 12" (300 x 300 mm) or as per direction of the Consultant/ Engineer Incharge.	Each	1,843.13	2	3,686.26	
93	14-86	Providing & fixing chromium plated double bib-cock with Muslim Shower of approved quality Complete is all respects or as per direction of the Consultant/ Engineer Incharge.	Each	2,426.00	2	4,852.00	
94	14-69-b-02	Supplying and Fixing Polyethylene Water Tank made from food grade FDA Certified raw material, 3 layers UV stablized, inert with water, anti-fungus and anti-bacterial and have a service life of more than 10 years : 400 gallons (Vertical) or as per direction of the Consultant/ Engineer Incharge.	Each	26,119.72	1	26,119.72	
95	23-10	Septic Tank (int.Size: 7'x2'x5') complete or as per direction of the Consultant/ Engineer Incharge.	Each	20,003.17	2	40,006.34	
96	23-11	Soakage Pit (6'dia x 15' deep) complete or as per direction of the Consultant/ Engineer Incharge.	Each	17,376.96	2	34,753.92	
97	03-49-a	Excavation in open cut for sewers & manhole except shingle, gravel & rock: Uplo 2m or as per direction of the Consultant/ Engineer Incharge.	m3	283.15	28	7,928.20	
98	07-30	Supplying and filling sand under floor or plugging in wells or as per direction of the Consultant/ Engineer Incharge.	m3	1,318.89	8	10,551.12	
99	03-67-c	Structural backfill using Common Material available at site or as per direction of the Consultant/ Engineer Incharge.	m3	315.48	20	6,309.60	
100	23-01-c	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1-1/2:3, with spigot, socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part-I, 1981 Class "L" including carriage, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete:- 9" dia: or as per direction of the Consultant/ Engineer Incharge.	m	1,436.78	60	86,206.80	
<b>Sub Total (1.2)</b>						<b>570,257.58</b>	

**1.3 MAIN ENTRY GATE ELECTRICAL WORK**

**SCHEDULE ITEMS**

101	15-50	Wiring of light/fan/call-bell point in 3/0.029" PVC insulated bare cable in PVC pipe recessed or as per direction of the Consultant/ Engineer Incharge.	Each	1,098.65	80	87,892.00	
102	15-51	Wiring of 2/3-pin 5-Amp. plug point in 3/0.029" PVC insulated bare cable in PVC pipe recessed or as per direction of the Consultant/ Engineer Incharge.	Each	533.64	14	7,470.96	

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
103	15-02-b-02	Supply and Erection PVC pipe for wiring purpose complete Recessed in walls including chase etc: 3/4" i/d or as per direction of the Consultant/ Engineer Incharge.	m	209.65	500	104,825.00	
104	15-02-b-03	Supply and Erection PVC pipe for wiring purpose complete Recessed in walls including chase etc: 1" i/d or as per direction of the Consultant/ Engineer Incharge.	m	210.29	600	126,174.00	
105	15-02-b-06	Supply and Erection PVC pipe for wiring purpose complete Recessed in walls including chase etc : 2" i/d or as per direction of the Consultant/ Engineer Incharge.	m	329.66	150	49,449.00	
106	15-05-a	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 3/0.029" 1/2" i/d or as per direction of the Consultant/ Engineer Incharge.	m	43.00	500	21,500.00	
107	15-05-c	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 7/0.029" or as per direction of the Consultant/ Engineer Incharge.	m	76.07	600	45,642.00	
108	15-05-e	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 7/0.044" or as per direction of the Consultant/ Engineer Incharge.	m	152.24	200	30,448.00	
109	15-05-d	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 7/0.036" or as per direction of the Consultant/ Engineer Incharge.	m	93.23	220	20,510.60	
110	15-68-c	Supply and Erection best quality AC ceiling fan complete with Girod, canopy, blades & regulator : 56" sweep or as per direction of the Consultant/ Engineer Incharge.	Each	4,428.69	8	35,429.52	
111	15-77-c	Supply and fixing electric AC exhaust/fresh air circulation(Double way) 220/230 single phase plastic frame body and blade complete 12"x12" or as per direction of the Consultant/ Engineer Incharge.	Each	3,411.64	4	13,646.56	
112	15-71-a	Supply and Erection single phase imported auto circuit breaker 6 Amp or as per direction of the Consultant/ Engineer Incharge.	Each	635.96	20	12,719.20	
113	15-71-b	Supply and Erection single phase imported auto circuit breaker 15 Amp or as per direction of the Consultant/ Engineer Incharge.	Each	635.96	15	9,539.40	
114	15-71-c	Supply and Erection single phase imported auto circuit breaker 20 Amp or as per direction of the Consultant/ Engineer Incharge.	Each	929.96	10	9,299.60	
115	15-71-d	Supply and Erection single phase imported auto circuit breaker 30 Amp or as per direction of the Consultant/ Engineer Incharge.	Each	929.96	5	4,649.80	
116	15-70-a	Supply and Erection transpower auto circuit breaker 3-phase, 400V fungus moisture proofing : 30 Amp or as per direction of the Consultant/ Engineer Incharge.	Each	3,391.80	4	13,567.20	
117	15-70-b	Supply and Erection transpower auto circuit breaker 3-phase, 400V fungus moisture proofing : 60 Amp or as per direction of the Consultant/ Engineer Incharge.	Each	4,004.30	4	16,017.20	

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
118	15-72-a	Supply and Erection of bus bars for 500 volts 3 phase AC SW 4 copper bars 40 Amp with bar size 1 1/2" X 1/8" or as per direction of the Consultant/ Engineer Incharge.	Each	8,696.13	2	17,392.26	
119	15-70-c	Supply and Erection transpower auto circuit breaker 3-phase, 400V fungus moisture proofing: 100 Amp or as per direction of the Consultant/ Engineer Incharge.	Each	8,131.51	2	16,263.02	
120	15-72-b	Supply and Erection of bus bars 500 volts 3 phase AC supply with 4 copper bars - 100 Amp with bar size 1 1/2" X 1/8" or as per direction of the Consultant/ Engineer Incharge.	Each	8,726.75	2	17,453.50	
121	15-75-b	Supply and Erection cubical type factory fabricated floor/wall mounting steel main board comp.: Recessed or as per direction of the Consultant/ Engineer Incharge.	Each	2,772.80	6	16,636.80	
122	15-25	Supply and Erection girder clamp hook, 5/8" dia.for hanging ceiling fans or as per direction of the Consultant/ Engineer Incharge.	Each	322.24	8	2,577.92	
123	15-122-b	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description ) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.or as per direction of the Consultant/ Engineer Incharge.	RMtr	969.37	190	184,180.30	
124	15-122-c	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description ) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. or as per direction of the Consultant/ Engineer Incharge.	RMtr	1,285.96	110	141,455.60	
125	15-36-k-03	Supply, installation, connecting, testing and commissioning of Wall mounted Bulkhead light fixtures with LED retrofit lamp 540 Lumens output, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	No	4,374.79	30	131,243.70	
126	15-36-k-01	Supply, installation, connecting, testing and commissioning of Surface mounting LED tube light with 2x2000 lumens, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	No	7,246.19	2	14,492.38	
127	15-36-j-12	Supply, installation, connecting, testing & commissioning of 10W LED Down Light Fixture suitable for 1300 lux, as per instruction of Engineer, surface mounted circular shape or equivalent or as per direction of the Consultant/ Engineer Incharge.	No	3,387.44	2	6,774.88	

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
128	15-36-i-8	Supply, installation, testing and commissioning of 2x20 Watt "LED" DC emergency spot light with 3hr backup, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	10,323.88	4	41,295.52	
129	15-36-j-8	Supply, installation, & connecting up of light Fixture type T surface mounted fluorescent fitting with 1 x 18W TLD lamp, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	No	1,611.19	4	6,444.76	
130	15-127-a	Supply at site, installation, testing and commissioning of the One gang light control switches 10 Amps, 250 Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	745.34	12	8,944.08	
131	15-127-b	Supply at site, installation, testing and commissioning of Two gang light control switches 10 Amps, 250 Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	843.34	10	8,433.40	
132	15-127-c	Supply at site, installation, testing and commissioning of Three gang light control switches 10 Amps, 250 Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	646.39	5	3,231.95	
133	15-127-d	Supply at site, installation, testing and commissioning of Four gang light control switches 10 Amps, 250 Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	903.64	5	4,518.20	
134	15-127-f	Supply at site, installation, testing and commissioning of Six gang light control switches 10 Amps, 250 Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	1,219.04	5	6,095.20	
135	15-127-g	Supply at site, installation, testing and commissioning of the Eight gang light control switches 10 Amps, 250 Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	1,519.77	5	7,598.85	
136	15-127-h	Supply at site, installation, testing and commissioning of One gang light control switches 10 Amps, 250 Volts two way, including appropriate size concealed MS, powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	904.59	5	4,522.95	
137	15-127-i	Supply at site, installation, testing and commissioning of 2 & 3 pin switched socket unit 5/10 Amps, 250 Volts, round pin including appropriate size MS, powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	818.91	5	4,094.55	

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
138	15-127-j	Supply at site, installation, testing and commissioning of 3 pin svritched socket unit 13/15 Amps, 250 Volts, round pin including appropriate size MS, powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	1,222.26	5	6,111.30	
139	15-127-k	Supply at site, installation, testing and commissioning of 3 pin sv.itched socket unit 20 Amps, 250Volts, round pin including appropriate size MS, powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	738.32	5	3,691.60	
140	15-127-l	Supply at site, installation, testing and commissioning of Push Button 10 Amps, 250 Volts, including appropriate size MS, powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	1,849.89	5	9,249.45	
141	15-127-m	Supply at site, installation, testing and commissioning of Fan Dimmer with switch/ MS. powder coated back box with all associated accessories, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	952.64	5	4,763.20	
142	15-36-m-03	Supply & Erection of CFL 18 Watt or as per direction of the Consultant/ Engineer Incharge.	Each	211.99	20.00	4,239.80	
143	15-36-m-05	Supply & Erection of CFL 25 Watt or as per direction of the Consultant/ Engineer Incharge.	Each	371.24	16.00	5,939.84	
144	15-66-a	Supply and Erection flood-light fitting with holder, complete 14"dia with 500-W lamp or as per direction of the Consultant/ Engineer Incharge.	Each	1,409.3800	4.00	5,637.52	
145	15-66-b	Supply and Erection flood-light fitting with holder, complete 19" dia with 1000-W lamp or as per direction of the Consultant/ Engineer Incharge.	Each	2,389.3800	4.00	9,557.52	
146	15-127-n	Supply at site, installation, testing and commissioning of DP switch 20 Amps with neon indication lamp complete with MS. powder coated back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	1,319.18	6	7,915.08	
147	15-105-e	Supply, Installation & Connecting up of earth electrodes with 600mm x 600mm x 3.2mm conductors to main earth bar including all accessories, in 50mm dia G.I. pipe / PVC pipe class D/E up inspection chamber, heavy duty C.1. Cover etc or as per direction of the Consultant/ Engineer Incharge.	Job	42,897.59	1	42,897.59	
148	15-105-h	Providing & fixing of Plate type Earthing compressed with execveted hole 6"up 63 feet,GI pipe 2"(50mm)with Tees , Sockets , Endcap of 60 (RFT) Copper Plate of 1/2"x 2"x 48", 2x 70mmsq S/Core copper bare conductor 125 (Rft) Earth Connection Point of 1200 x 50 x 50mm (L x W x T) Inspection Pit of 300 x 300 x 450 mm (L x W x D) completed with all respector as per direction of the Consultant/ Engineer Incharge.	Job	125,585.10	1	125,585.10	
149	15-138-g	Supply and Erection of 3M Cat-6 Cable in 3/4", 1"pvc conduit, complete in all respect or as per direction of the Consultant/ Engineer Incharge.	m	660.01	65	42,900.65	

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
150	15-138-e-01	Supply, Installation, testing and commissioning of Single Port Data outlet of 1 x RJ-45 1/Os for Cat-6 cable and with 16 SWG back box, complete in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	623.79	4	2,495.16	
151	15-138-e-02	Supply, Installation, testing and commissioning of Dual Port Data outlet of 1 x RJ-45 1/Os for Cat-6 cable and with 16 SWG back box completed in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	685.04	2	1,370.08	
152	15-138-a-02	Supply and Installation of 25- Each Pair Telephone Junction Box with back mounting frame and connection strip Recessed in wall Type where shown on drawings, made of 16 SWG M.S. Sheet with hinged door. Completed in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	18,939.75	2	37,879.50	
153	15-138-h	Supply at site, testing, installation & commissioning of 12 Port Cat-3 Telephone Patch Fanel installed in Data Cabine or as per direction of the Consultant/ Engineer Incharge.	Each	11,656.19	2	23,312.38	
154	15-138-l	Supply and Installation of DT 364 Consol Set compleaed with all respect or as per direction of the Consultant/ Engineer Incharge.	Each	27,467.00	1	27,467.00	
155	15-138-m	Supply and Installation of KX-TDA 0193CLI Card for 16 Trurk completed with all respect or as per direction of the Consultant/ Engineer Incharge.	Each	52,947.00	1	52,947.00	
156	15-138-n	Supply and Installation of SKX-A228UPS Cable with Batteries. Copmlated wih all respect or as per direction of the Consultant/ Engineer Incharge.	Each	21,578.69	1	21,578.69	
157	15-138-a-04	Supply and Installation of 100-Pa'r Telephone Junction Box with back mounting frame and connection strip Recessed in wall Type where shown on drawings, made of 16 SWG M.S. Sheet with hinged door. Completed in all respects or as per direction of the Consultant/ Engineer Incharge.	Each	86,879.50	1	86,879.50	
158	15-138-r	Providing & fixing 3 pair telephone cable (Pony make) in already installed conduit or as per direction of the Consultant/ Engineer Incharge.	m	148.08	290	42,943.20	
159	15-138-d	Supply, installation, connecting, testing and commissioning of 15 -Pair telephone cable Pony Japan make or equivalent complete in all respects or as per direction of the Consultant/ Engineer Incharge.	m	512.94	190	97,458.60	
160	15-138-q	Supply, installation, connecting, testing and commissioning of PABX suitable for 4 line & 15 extension or as per direction of the Consultant/ Engineer Incharge.	No	118,634.00	1	118,634.00	
161	15-139-a	Supply and Installation of Outdoor True Day & Night Color Camera 1/3" CCD 530TVL, O LUX, 49 IR LEDs. 2.8 to 10mm Auto Iris Varifocal Lens, IP66 Rating Outdoor Weatherproof Housing, DC12V/ AC24V. PAL, HCD-92534X Honyewell completed in all respect or as per direction of the Consultant/ Engineer Incharge.	Each	53,192.00	1	53,192.00	

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
162	15-139-f	Supply Installation of 32. Channel Digital Video Recorder, real time display 400ips andwith Built-in DVD writer, XtraStor/MPEG4 compression, 1TB HDD SATA port with remoteviewing and management software HNDR-E 1648L-N-D E,Honyewell.complated with all respect or as per direction of the Consultant/ Engineer Incharge.	Each	429,879.50	1	429,879.50	
163	15-139-j	Supply and installation of 16 input to 01 output digital multiplexer for CCTV system complete in all respect or as per direction of the Consultant/ Engineer Incharge.	Each	24,159.50	1	24,159.50	
164	15-139-k	Installation and Cabling (RG-11 Coaxial Cable through approved 3A" PVC conduit) or as per direction of the Consultant/ Engineer Incharge.	Meter	117.50	300	35,250.00	
165	15-139-l	Supply and installation of 32" LCD monitor of best quality Each or as per direction of the Consultant/ Engineer Incharge.	Each	55,463.85	1	55,463.85	
166	15-210	Furnish & Install of Volt: meter upt to 500 volt.or as per direction of the Consultant/ Engineer Incharge.	No	989.34	28	27,701.52	
167	15-196	Supply & Erection of TV Cable Each or as per direction of the Consultant/ Engineer Incharge.	Each	65.46	6	392.76	
168	15-178	Supply & Erection of TV socket Each or as per direction of the Consultant/ Engineer Incharge.	Each	518.24	6	3,109.44	
169	15-177	Supply & Erection of Telephone socket Each or as per direction of the Consultant/ Engineer Incharge.	Each	481.49	19	9,148.31	
170	15-175	Supply & Erection of TV/satellite cable complete Each or as per direction of the Consultant/ Engineer Incharge.	Each	150.74	6	904.44	
171	15-153	supply,Insatallation, testing & commisioning of Single Phase KWH Energy Meters from Main Service of LT Line to each building Complete in all respect or as per direction of the Consultant/ Engineer Incharge.	Each	19,882.38	1	19,882.38	
<b>Sub Total (1.3)</b>						<b>2,692,967.32</b>	
<b>Total Civil, Plumbing &amp; Electrical of Main Entry Gate (1.1+1.2+1.3) Subhead-1</b>						<b>35,184,444.28</b>	
<b>Sub Head: 2 :- .BOUNDARY WALL</b>							
<b>Schedule Items</b>							
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel or as per direction of the Consultant/ Engineer Incharge.	m3	328.17	27.05	8,877.00	
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8) or as per direction of the Consultant/ Engineer Incharge.	m3	6,359.02	1.78	11,319.06	
3	06-26-b-02	Damp proof course of cem. conc. 1:2:4 including bitumen coat, 1 layer polythene & 2 coats bitumen (2" thick) or as per direction of the Consultant/ Engineer Incharge.	m2	1,020.54	5.86	5,980.36	
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4 or as per direction of the Consultant/ Engineer Incharge.	m3	10,002.53	23.19	231,958.67	
5	11-09-c	Cement plaster 1:4 upto 20' height 3/4" thick or as per direction of the Consultant/ Engineer Incharge.	m2	398.71	117.1	46,688.94	



**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
6	11-30-d	Extra labour for Design plaster including cost of scaffolding up to any height complete in all respects or as per direction of the Consultant/ Engineer Incharge.	m2	42.34	91.73	3,883.85	
7	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3or as per direction of the Consultant/ Engineer Incharge.	m2	314.33	11.71	3,680.80	
8	06-07-b-03	RCC in raft foundation slab, base slab of column & ret. wall etc, not including in 06-06. (1:2:4) or as perdirection of the Consultant/ Engineer Incharge.	m3	9,813.67	1.91	18,744.11	
9	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4) or as per direction of the Consultant/ Engineer Incharge.	m3	9,813.67	6.72	65,947.86	
10	06-08-c	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 40) or as per direction of the Consultant/ Engineer Incharge.	Tonne	159,981.50	1.22	195,177.43	
11	06-47-b	Erection and removal of steel Form work for RCC or Plain Concrete (vertical) or as per direction of the Consultant/ Engineer Incharge.	m2	718.55	59.39	42,674.68	
12	06-05-f	Plain Cement Concrete includir g placing, compacting, finishing & curing (Ratio 1:2:4) or as per direction of the Consultant/ Engineer Incharge.	m3	8,358.28	0.67	5,600.05	
<b>Sub Total ( SI )</b>						<b>640,532.81</b>	

**Non Schedule Items**

13	NSI	Providing & fixing hooks, Alfas and other fixing accessories for gate fixing in wall, painting 3 coats of enamel paint (approved colour and quality) with redoxide, approved size, shape and quality of the hooks and other fixing accessories as per drawing and specifications complete in all respects (finished) or as per direction of the Consultant/Engineer Incharge	Kg	280.00	35.00	9,800.00	
14	NSI	Providing & applying wall finish coat of any colour Graffiate wall coating 1.5 mm - 3 mm thick for exterior surface at any height and any floor (including Scaffolding) complete in all respects or as per direction of the Consultant/Engineer Incharge.	m2	387.00	91.73	35,499.51	
<b>Sub Total ( NSI )</b>						<b>45,299.51</b>	
<b>Total (SI+NSI) subhead-2</b>						<b>685,832.32</b>	

**Sub Head: 3 :- LANDSCAPING**

**Schedule Items**

1	03-58	Turfing of lawn with dacca grass or as per direction of the Consultant/ Engineer Incharge.	m2	132.73	12552.39	1,666,078.72	
2	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel or as per direction of the Consultant/ Engineer Incharge.	m3	328.17	217.44	71,357.28	
2	06-05-i	Plain Cement Concrete includir:g placing, compacting, finishing & curing (Ratio 1:4:8) or as per direction of the Consultant/ Engineer Incharge.	m3	6,359.02	23.5	149,436.97	
3	06-05-h	Plain Cement Concrete including placing. compacting, finishing & curing (Ratio 1:3:6) or as per direction of the Consultant/ Engineer Incharge.	m3	7,058.77	32.23	227,504.16	

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
4	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) or as per direction of the Consultant/ Engineer Incharge.	m <sup>3</sup>	8,358.28	68.89	575,801.91	
5	03-67-c	Structural backfill using Common Material available at site or as per direction of the Consultant/ Engineer Incharge.	m <sup>3</sup>	315.48	438.79	138,429.47	
6	03-62	Clearing & Grubbing or as per direction of the Consultant/ Engineer Incharge.	m <sup>2</sup>	12.79	3,368.68	43,085.42	
7	08-01-d-03	Random rubble masonry in foundn. & plinth in cement, sand mortar : Ratio 1:6 or as per direction of the Consultant/ Engineer Incharge.	m <sup>3</sup>	6960.26	1193.56	8,307,487.93	
8	08-07-b-02	Ashlar fine masonry in ground floor in cement,sand mortar : Ratio 1:4 or as per direction of the Consultant/ Engineer Incharge.	m <sup>3</sup>	29,622.99	95.24	2,821,293.57	
9	11-19-b	Pointing flush on stone work, upto 20' height in cement sand mortar 1:3 or as per direction of the Consultant/ Engineer Incharge.	m <sup>2</sup>	273.92	959.91	262,938.55	
10	03-03-e	Excavate Surplus Common Material or as per direction of the Consultant/ Engineer Incharge.	m <sup>3</sup>	118.85	20234.91	2,404,919.05	
11	03-07-a	Earth fill in lawns including dressing & compaction with earth available from cutting/excavation or as per direction of the Consultant/ Engineer Incharge.	m <sup>2</sup>	132.96	2073.02	275,628.74	
12	19-30-d	Providing and Laying grouted stone pitching, in 1:6 c/s mortar Stone pitching/filling on slope or on level or as per direction of the Consultant/ Engineer Incharge.	m <sup>3</sup>	4682.92	318.19	1,490,058.31	
13	11-19-c-02	Pointing flush on stone work, upto 20' height On stone work raised : in c/s mortar 1:3 or as per direction of the Consultant/ Engineer Incharge.	m <sup>2</sup>	476.37	1044.48	497,558.94	
14	25-53	Providing, making and fixing of steel grill of MS pipe (2"x1") ornamental design i/c cost of paiting complete or as per direction of the Consultant/ Engineer Incharge.	m <sup>2</sup>	6,425.00	154.64	993,562.00	
15	06-46-a	Erecting & removing formwork to concrete in any shape / position (Horizontal) or as per direction of the Consultant/Engineer Incharge.	m <sup>2</sup>	406.38	261.12	106,113.95	
16	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4 or as per direction of the Consultant/ Engineer Incharge.	m <sup>3</sup>	10,002.53	125.29	1,253,216.98	
17	11-09-b	Cement plaster 1:4 upto 20 height 1/2" thick or as per direction of the Consultant/ Engineer Incharge.	m <sup>2</sup>	297.37	339.45	100,942.25	
18	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4) or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	9,813.67	59.66	585,483.55	
19	06-08-c	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 40) or as per direction of the Consultant/Engineer Incharge.	Ton	159,981.50	9.37	1,499,026.66	
20	16-73-b	Providing and fixing kerb stone (12"x14"x6") in cement sand mortar 1:3 in center media or round about as specified or as per direction of the Consultant/Engineer Incharge.	m	465.45	342.53	159,430.59	
<b>Sub Total ( SI )</b>						<b>23,629,355.00</b>	
<b>Non Schedule Items</b>							

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
21	NSI	Supplying and laying river/water course silt (Bhall) from approved source in green belts including cost of watering, levelling, dressing, compaction etc. Complete in all respects or as per direction of the Consultant/ Engineer Incharge.	m3	667.55	2868.00	1,914,533.40	
22	NSI	Providing and fixing 4" dia uPVC Class-B pipe for weep hole complete in all respects or as per direction of the Consultant/ Engineer Incharge.	m	883.0	109.72	96,882.76	
23	NSI	Flower bed , Plantation and Trees or as per direction of the Consultant/Engineer Incharge.	Lum Sum	500000.0	1.00	500,000.00	
24	NSI	Providing, laying and finishing interlocking concrete pavers (60 mm thick) over sand layer complete in all respects. Concrete pavers may be of any size and shape to be directed by the Engineer on the basis of shop drawings prepared by the contactor. The concrete pavers shall conform to BS 6717	m2	881.24	488.29	430,300.68	
<b>Sub Total ( NSI )</b>						<b>2,941,716.84</b>	
<b>Total (SI+NSI) Subhead-3</b>						<b>26,571,071.84</b>	

**Sub Head: 4 :- ROAD WORKS**

**Schedule Items**

1	03-66-a	Roadway Excavation in Surplus / Unsuitable Common Material or as per direction of the Consultant/Engineer Incharge.	m3	371.52	9980.33	3,707,892.20	
2	03-66-b	Roadway Excavation in Surplus / Unsuitable Rock (Hard) Material requiring blasting or as per direction of the Consultant/Engineer Incharge.	m3	403.92	1663.39	671,876.49	
3	03-66-c	Roadway Excavation in Surplus / Unsuitable Rock (Medium) Material requiring blasting or as per direction of the Consultant/Engineer Incharge.	m3	316.12	2495.08	788,744.69	
4	03-70-a	Formation of Embankment from Roadway Excavation in Common Material including compaction Modified AASHTO 90% by power roller or as per direction of the Consultant/Engineer Incharge.	m3	425.97	505.72	215,421.55	
5	03-70-c	Formation of Embankment from Borrow Excavation in Common Material including compaction Modified AASHTO 90% by power roller or as per direction of the Consultant/Engineer Incharge.	m3	819.77	202.29	165,829.63	
6	03-71-a	Subgrade Preparation In Earth Cut ; Mod. AASHTO 95% or as per direction of the Consultant/Engineer Incharge.	m2	45.6	7136.13	325,407.53	
7	03-31	Extra for slush or daldal including dewatering or as per direction of the Consultant/Engineer Incharge.	m3	239.46	8.49	2,033.02	
8	16-04-b	Granular Sub Base Using Crushed Stone Aggregate or as per direction of the Consultant/Engineer Incharge.	m3	2,179.97	1393.75	3,038,333.19	
9	16-05-b	Water Bound Macadam Base Course or as per direction of the Consultant/Engineer Incharge.	m3	2,371.74	1393.75	3,305,612.63	
10	16-06	Providing and Laying road edging of 3" wide & 9" deep brick on end, complete or as per direction of the Consultant/Engineer Incharge.	m	211.32	207.43	43,834.11	
11	16-09-a	Bitumen Prime coat or as per direction of the Consultant/Engineer Incharge.	m2	192.1	7035.65	1,351,548.37	

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
12	16-14-b	Asphaltic Wearing Course (Asphalt Batch Plant Hot Mixed) or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	18,761.56	364.51	6,838,776.24	
13	16-18-a	Road signs (not exceeding 1 m <sup>2</sup> ) without reflection sheet & lettering : Supply and Fixing at site with PCC 1:3:6 upto max 3' depth or as per direction of the Consultant/Engineer Incharge.	m <sup>2</sup>	10,642.67	9.75	103,766.03	
14	16-19-a	Road sign (any size) double pedestal 4"x2"x0.25" 11' long without reflection sheet & lettering: Supply and Fixing at site with PCC 1:3:6 max 3' depth or as per direction of the Consultant/Engineer Incharge.	m <sup>2</sup>	16,005.03	46.45	743,433.64	
15	16-22-a	Supply and Fixing reflective sheet on MS/aluminium road signs etc including lettering : Diamond grade or as per direction of the Consultant/Engineer Incharge.	m <sup>2</sup>	7,093.76	112.41	797,409.56	
16	16-75-a	Pavement marking in reflective thermoplast paint with glass beads for line 15 cm width or as per direction of the Consultant/Engineer Incharge.	m	105.02	1523.93	160,043.13	
17	16-73-b	Providing and fixing kerb stone (12"x14"x6") in cement sand mortar 1:3 in center media or round about as specified or as per direction of the Consultant/Engineer Incharge.	m	465.45	457.18	212,794.43	
18	16-25-a-01	Supply and Fixing aluminium alloy road studs as per specs Large, strip 146x30mm, 171 beads: Uni-direction or as per direction of the Consultant/Engineer Incharge.	Each	611.67	60.00	36,700.20	
19	16-25-b-02	Supply and Fixing aluminium alloy road studs as per specs Medium, strip 114x18mm, 74 beads: Bi-direction or as per direction of the Consultant/Engineer Incharge.	Each	521.02	80.00	41,681.60	
20	16-25-C-02	Supply and Fixing aluminium alloy road studs as per specs Small, strip 75x14mm, 43 beads: Bi-directional or as per direction of the Consultant/Engineer Incharge.	Each	361.77	80.00	28,941.60	
21	03-58	Turfing of lawn with Dacca Grass or as per direction of the Consultant/Engineer Incharge.	m <sup>2</sup>	132.73	931.35	123,618.09	
22	03-62	Clearing & Grubbing or as per direction of the Consultant/Engineer Incharge.	m <sup>2</sup>	12.79	1,723.02	22,037.43	
23	03-65	Compaction of Natural Ground or as per direction of the Consultant/Engineer Incharge.	m <sup>2</sup>	23.01	1,723.02	39,646.69	
24	03-66-d	Roadway Excavation in Surplus / Unsuitable Rock (Soft) Material or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	253.08	70.64	17,877.57	
25	03-71-b	Subgrade Preparation in Rock Cut ; Mod. AASHTO 95% or as per direction of the Consultant/Engineer Incharge.	m <sup>2</sup>	118.76	475.56	56,477.51	
26	16-67	Formation of shoulder with permeable material Passing less than 7% from 200 sieve and PI less than 4 as specified or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	954	5.96	5,685.84	
27	16-09-b	Bitumenous Tack Coat or as per direction of the Consultant/Engineer Incharge.	m <sup>2</sup>	54.43	737.73	40,154.64	
28	16-14-a	Asphaltic Base Course (Asphalt Batch Plant Hot Mixed) or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	16520.17	74.17	1,225,301.01	

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
29	03-63	Removal of <b>Trees Girth 150mm-300mm</b> including removal of stump & backfilling with sand.or as per direction of the Consultant/Engineer Incharge.	No	611.5	25.00	15,287.50	
30	03-64-a	Removal of <b>Trees Girth 300mm-600mm</b> including removal of stump & backfilling with sand.or as per direction of the Consultant/Engineer Incharge.	No	1223	30.00	36,690.00	
31	03-64-b	Removal of <b>Trees Girth over 600mm</b> including removal of stump & backfilling with sand. or as per direction of the Consultant/Engineer Incharge.	No	2994.41	15.00	44,916.15	
32	06-05-f	Plain Cement Concrete including placing,compacting, finishing & curing (Ratio 1:2:4) or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	8358.28	169.25	1,414,638.89	
33	03-67-a-i	Structural Excavation In Common Material or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	233.63	897.94	209,785.72	
34	06-05-i	Plain Cement Concrete Including placing, compacting, furnishing and curing (Ratio 1:4:8) or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	6359.02	86.27	548,592.66	
35	08-01-d-03	Random rubble masonry in foundn. & plinth in cement, sand mortar : Ratio 1:6 or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	6960.26	254.01	1,767,975.64	
36	06-07-b-02	RCC in raft foundation slab, base slab of column & ret.wall etc, not including in 06-06 (1:1.5:3) or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	10,994.23	179.42	1,972,584.75	
37	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60) or as per direction of the Consultant/Engineer Incharge.	Ton	163656.5	28.18	4,611,840.17	
38	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4) or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	9,813.67	24.69	242,299.51	
39	06-08-c	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 40) or as per direction of the Consultant/Engineer Incharge.	Ton	159,981.50	3.88	620,728.22	
40	03-67-d	Structural Backfill using Granular Material brought from outside or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	1071.44	341.52	365,918.19	
41	16-29-b-i	Reinforced Concrete Pipe Culvert (AASHTO M-170) Dia: 610mm or as per direction of the Consultant/Engineer Incharge.	M	4021.95	48.77	196,150.50	
42	16-29-d-i	Reinforced Concrete Pipe Culvert (AASHTO M-170) Dia: 910mm or as per direction of the Consultant/Engineer Incharge.	M	8293.59	48.77	404,478.38	
43	19-30-d	Providing and Laying grouted stone pitching, in 1:6 c/s mortar Stone pitching/filling on slope or on level or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	4682.92	60.40	282,848.37	
44	06-44-b	PCC 1:3:6 in mass concrete less formwork using 40% boulders or as per direction of the Consultant/Engineer Incharge.	m <sup>3</sup>	5271.64	56.63	298,532.97	
45	06-47-b	Erection and removal of steel Form work for RCC or Plain Concrete (vertical) or as per direction of the Consultant/Engineer Incharge.	m <sup>2</sup>	718.55	492.57	353,936.17	
46	06-46-a	Erecting & removing formwork to concrete in any shape / position (Horizontal) or as per direction of the Consultant/Engineer Incharge.	m <sup>2</sup>	406.38	302.60	122,970.59	

**CONSTRUCTION OF MAIN ENTRY GATE AND ALLIED WORKS AT HANGU TOWNSHIP DISTRICT HANGU**

**ABSTRACT OF COST**

**BoQ**

S.NO	MRS 2019 Items Codes	Description	unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
47	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4 or as per direction of the Consultant/ Engineer Incharge.	m3	10,002.53	88.87	888,924.84	
48	11-09-b	Cement plaster 1:4 upto 20 height 1/2" thick or as per direction of the Consultant/ Engineer Incharge.	m2	297.37	237.69	70,681.88	
49	16-17-a	P&E at site RCC Km stone or as per direction of the Consultant/Engineer Incharge.	Each	4133.04	2.00	8,266.08	
<b>Sub Total ( SI )</b>						<b>38,588,925.80</b>	
<b>NON SCHEDULE ITEMS</b>							
50	NSI	Supplying and laying river/water course silt (Bhall) from approved source in green belts including cost of watering, levelling, dressing, compaction etc. Complete in all respects or as per direction of the Consultant/Engineer Incharge.	m3	667.55	283.84	189,477.39	
51	NSI	Providing, laying and finishing interlocking concrete pavers (60 mm thick) over sand layer complete in all respects. Concrete pavers may be of any size and shape to be directed by the Engineer on the basis of shop drawings prepared by the contractor. The concrete pavers shall conform to BS 6717	m2	881.24	244.15	215,154.75	
52	NSI	Providing and fixing 4" dia uPVC Class-B pipe for weep hole complete in all respects or as per direction of the Consultant/ Engineer Incharge.	m	883.0	411.27	363,151.41	
53	NSI	Providing and fixing 6" dia uPVC Class-B pipe complete in all respects or as per direction of the Consultant/ Engineer Incharge.	m	1719.0	65.00	111,735.00	
54	NSI	Providing and fixing steel grating of approved size and specification including weldind and paint to resist rusting complete in all respects or as per direction of the Consultant/ Engineer Incharge.	m	287.0	65.00	18,655.00	
<b>Sub Total ( NSI )</b>						<b>898,173.55</b>	
<b>Sub Total ( SI+NSI ) Subhead-4</b>						<b>39,487,099.35</b>	
<b>Total Cost SI of Sub Heads (1+2+3+4) (A)</b>						<b>96,774,611.33</b>	
<b>Area Factor: 0.050 (B)</b>						<b>4,838,730.57</b>	
<b>Total Cost SI after adding Area Factor (C=A+B)</b>						<b>101,613,341.90</b>	
<b>Total Cost NSI of Sub Heads(1+2+3+4) (D)</b>						<b>5,153,836.46</b>	
<b>Grand Total Cost (C+D)</b>						<b>106,767,178.36</b>	