

ESTIMATE

Detail Estimate of Roads, Drains, Water Supply, Rain water Harvesting, Tubewell, Sewerage, Electric & Horticulture work in Residential Lay Out Plan **(VASUNDHARA RESIDENCY) Phase -VI**, at Khasra no - 2155, 2167(Part), at Village Sujroo, Parikrama Marg, Near Shri Ram College, Muzaffarnagar.

Owner:- Vasundhara Infra Build Pvt. Ltd.

SNO.	Particulars/Details	Amount
1	Road Work	
	(A) Earth Work in Cutting in Ordinary Soil	
	65.37x12.00x0.10 = 78.44	
	106.23x09.00x0.10 = 95.61	
	131.71x09.00x0.10 = 118.54	
	51.12x09.00x0.10 = 46.01	
	47.37x09.00x0.10 = 42.63	
	215.07x07.50x0.10 = 161.30	
	<u>542.53</u> Cum @ 82/- per cum =	44487.75
	(B) Supply & Stacking of the following size stone ballast 45-90 MM gauge	
	65.37x05.00x0.10 = 156.90	
	106.23x03.75x0.10 = 39.84	
	131.71x03.75x0.10 = 49.39	
	51.12x03.75x0.10 = 19.17	
	47.37x03.75x0.10 = 17.76	
	215.07x03.75x0.10 = 43.71	
	<u>326.77</u> Cum @ 1668/- per cum =	544400.90
	(C) 45-63 MM Gauge Stone Ballast	
	65.37x05.00x0.10 = 32.69	
	106.23x03.75x0.10 = 39.84	
	131.71x03.75x0.10 = 49.39	
	51.12x03.75x0.10 = 19.17	
	47.37x03.75x0.10 = 17.76	
	215.07x03.75x0.10 = 43.71	
	<u>202.55</u> Cum @ 1714/- per cum =	347174.99
	(D) 22.4-53 MM Gauge Stone Ballast	
	65.37x05.00x0.10 = 32.69	
	106.23x03.75x0.10 = 39.84	
	131.71x03.75x0.10 = 49.39	
	51.12x03.75x0.10 = 19.17	
	47.37x03.75x0.10 = 17.76	
	215.07x03.75x0.10 = 43.71	
	<u>202.55</u> Cum @ 1772/- per cum =	358923.03
	(E) Consolidation of Stone Ballast by Road Roller	
	Same as item no - (B)	
	(SI-755D) 326.77 Cum @ 175/- per cum =	57184.97



Same as item no - (C) (SI-755D)	202.55	Cum @ 175/- per cum =	35446.69
Same as item no - (D) (SI-755D)	202.55	Cum @ 175/- per cum =	35446.69
			<u>128078.34</u>

(F) Supply a tack coat of hot asphalt 80/100 with 0.75 kg/sqmt.

65.37x05.00 =	326.85		
106.23x03.75 =	398.38		
131.71x03.75 =	493.91		
51.12x03.75 =	191.70		
47.37x03.75 =	177.64		
215.07x03.75 =	806.51		
	<u>2394.98</u>	Sqm @ 17.50/- per sqm =	41912.06

(G) Cleaning of existing Surface & Laying primix 2 Cm. thick over a tack coat with graded grit & bitumen as per P.W.D.

65.37x05.00 =	326.85		
106.23x03.75 =	398.38		
131.71x03.75 =	493.91		
51.12x03.75 =	191.70		
47.37x03.75 =	177.64		
215.07x03.75 =	806.51		
	<u>2394.98</u>	Sqm @ 148.80/- per sqm =	356372.28

(H) Providing & Laying Seal Coat sealing the voids in a bituminous surface laid to the specified levels

Same as item no - (G)	(SI-765)	2394.98x77.60 =	185850.08
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(I) Brick Lining on both side of the road with M-150 Class Brick Comp,

604.00	Rm @ 56.64/- per rmt =	34210.56
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Total Rs/- 2041409.97

2 Drain Work

(A) Earth Work in Excavation in Ordinary Soil

784.21x0.69x0.45 =	243.50	Cum @ 82/- per cum =	19966.77
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(B) Cement Concrete 1:5:10 in base with brick ballast

784.21x0.53x0.07 =	29.09	Cum @ 2750/- per cum =	80009.03
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(C) Brick work with 1:6 Cement Mortar

2x784.21x0.115x0.30 =	108.22	Cum @ 3700/- per cum =	400417.63
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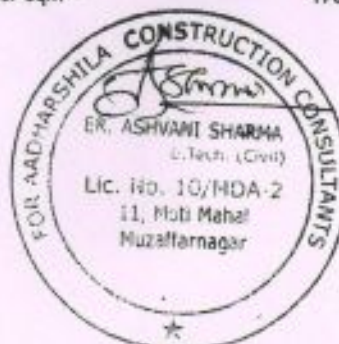
(D) 40 mm thick Cement Concrete 1:2:4 in bed Flooring

784.21x0.23 =	324.76	Sqm @ 288/- per sqm =	93532.20
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(E) 12 MM Cement Plaster with 1:4 Cement Mortar

784.21x1.15 =	1623.82	Sqm @ 140/- per sqm =	178620.53
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(F) Add for Crossing & Slab (Culvert)



04 Nos. (30.00 R.M. approx.)

@ 2000.00/- per R.M. =

80000.00

Total Rs/-832546.16**3 Sewerage Disposal System**

Providing, Lowering, Jointing, Testing, & Commissioning of PVC Pipes & Specials into Trenches including Cost of Excavation & Bed Concrete complete in all respects.

(A) 125 MM Dia PVC Pipes =	710.21x400.00 =	284084.00
(B) 150 MM Dia PVC Pipes =	74x450.00 =	33300.00

(C)

Constructing brick masonry rectangular type manhole with 75 class denation bricks in cement mortar 1:4 (1 Cement :4 Coarse sand), RCC top slab with 1:2:4 mix (1 Cement : 2 Coarse sand : 4 Graded stone aggregate 20 mm nominal size), Foundation concrete 1:4:8 mix (1 Cement :4 Coarse sand :8 Graded stone aggregate 4.0 mm nominal size), Inside plastering 12 mm thick with cement mortar 1:3 (1Cement :3Coarse sand), Finished with flooring coat of neat cement & marking channels in cement concrete 1:2:4 (1 Cement:2Coarse sand:4Graded stone aggragate 20 mm nominal size), Finished with a floating coat of neat cement complete as per standard design. Man Hole Size 900 mm 900 mm. Depth from 600 mm to 1200 mm 41 Nos. each @ 4000/-

164000.00

Total Rs/-481384.00**4 Horticulture Work**

Total Green Area

2513.11

Sqm @ 80.00/- per Sqm =

201048.80

5 Rain Water Harvesting 1 Nos. @ 100000/- per each =

100000.00

6 External Water Supply System

L.S.

1000000.00

7 External Electrification with transformer approx. 2X250 KVA

L.S.

1470000.00

Grand Total No.(1 to 7)6126388.93Say Rs/-6126000.00RS/- (Sixtyone Lacs Twentysix Thousand Only)