

NAGAR NIGAM MATHURA-VRINDAVAN, MATHURA

ESTIMATE

Name of work

बूढ़ावन जीव, वास 210-49 प्रस्तावक हनुमान गढ़ी मन्दिर से
शौचालय परिसर के अन्तर्गत एक शौचालय का निर्माण कार्य

Sl. No	Particulars of Item	NOS	Detail			Quantity	UNIT
			L	B	H		
1	Dismantling brick work or stone work in lime or cement mortar and including stacking of materials as directed by Engineer-In-Charge within a distance of 60 meters (200 feet). (CH-17 S.I. No. 692 SOR 2019-20)						
		1x1	34.00	0.22	0.15	= 1.17 m ³	
		2x1	32.00	0.12	0.23	= 1.76	
					Total qty =	2.95 m ³	
2	Dismantling of flexible pavement and disposal of dismantle material upto a lead of 1000meters, stacking serviceable and unserviceable materials separately. (CH-20 Item No. 20 PWD SOR 2019-20)						
		1x1	34.00	(1.75 + 2.70)/2		= 75.65 m ²	
		1x1	32.00	(1.00 + 1.00)/2		= 32.00 m ²	
		(A)		Total Area =		107.65 m ²	
						107.65 x 0.08 =	8.61 m ³
3	Excavation in foundation in ordinary soil (Loam, Clay or Sand) Including lift upto 1.50 m and lead upto a distance of 30m from the foundation trenches. (Si.No 251 Page No 15 PWD SOR 2019-20)						
		1x1	34.00	0.50	0.20	= 3.40 m ³	
4	Providing and laying cement concrete in 1:5:10 (1 Cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and curing complete, Including cost of form work. in Foundation and floors. (Fine sand not less than in 1.25 FM) (CH-5 S.I. No. 4.1 SOR 2019-20)						
		2x1	34.00	0.50	0.08	= 2.72 m ³	
		2x1	32.00	0.35	0.08	= 1.79 m ³	
				Total	qty =	4.51 m ³	

5 Class-150 (Non Modular) **brick work in 1:4 cement and Fine sand mortar in foundation and plinth** including supply of all materials, labour and T&P etc. required for proper completion of the work. (CH-6 S.I. No. 6.1 PWD SOR 2019-20)

(A) /	2x1	34.00	0.08	0.23	= 1.25 m ³
	1x2	34.00	0.23	0.08	= 1.25 m ³
(B) /	2x1	32.00	0.08	0.23	= 1.18 m ³
	1x2	32.00	0.23	0.08	= 1.18 m ³
cross	1x2	3.00	0.23	0.30	0.41 m ³
Total gut.					5.27 m ³

6 **12mm thick Cement plaster** in single coat of fair side of single of half brick wall for interior plastering No. extra for mixing any additive. (CH-13 S.I. No. 582 PWDSOR 2019-20)

2x1	34.00	—	0.30	= 20.40 m ²
2x1	32.00	—	0.30	= 19.20 m ²
1x2	3.00	—	0.30	= 1.80 m ³
Total gut.				41.40 m ³

7 R.C.C. work with cement approved coarse sand and 2cm (3/4") gauge approved stone ballast in the proportion 1:1.5:3 (One part of Cement, one & half Part of Coarse Sand and three Part of 2cm Stone Grit) in excluding supply of reinforcement and its bending and including not be less than M-20 grade. (CH-05 Page 16 S.I. No.5.1 PWDSOR 2019-20)

1x1	2.00	0.80	0.15	0.24 m ³
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8 **Reinforcement of Reinforced concrete** or reinforced brick work (When not included in and an over all rates) brought to required shape. (Per senction Rate)

As gut. Idemre 7	—	0.24 x 1.20 x 0.785	= 0.22 Ott.
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9 Providing and laying **cement concrete in 1:2:4** of not less than strength of M-150 Stone ballast (20 mm nominal size) approved coarse sand and cement, curing complete, Including cost of form work. In Foundation and floors. (PWD SOR 2019-20 CH-05 Page 16)

(A) /	2x1	34.00	0.23	0.05	= 0.78 m ³
	2x1	34.00	0.12	0.03	= 0.24 m ³
(B) /	2x1	32.00	0.23	0.05	= 0.73 m ³
	2x1	32.00	0.12	0.05	= 0.38 m ³
Total gut.					2.13 m ³

10 construction of Granular sub-Base (GSB) by providing Coarse graded material, spreading in uniform layers with moter grader on prepared surface, the desired density, complete as per clause-401(AR)

As Area Item no 2 (A) = 107.65×0.08 ——— $8.61m^3$

11 Construction of plain cement [avement thickness as per drawing over a prepared sub base with 43 grade cement as per claus 1501.2.2 M 30 (grade) coase and fine aggregate conforming to IS383, maximun size of coarse aggregate not exceeding 25 m, mixed in a concrete mixture of not less then 0.20cum capacity and water finishing to inse and grade as per drawing and technical specification clause 1501. (AR)

As Area Item no 2 (A) - $107.65 \times 0.10 = 10.76m^3$

12. SL of 80mm thick Rubber moulded Interlocking Tiles — $5.00m^2$

12 supply and fixing black granite stone approved quality all complete — 1. No

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