

NAGAR NIGAM MATHURA VRINDAVAN, MATHURA

Name of work: गिड रोड परी (1) शिवालय स्थल पर नगर निगम के अंतर्गत
सड़क परी (2) म.र. (3) पार्किंग क्षेत्र में भाग (5) सड़क सफाई 2-41
के अंतर्गत (6) पार्किंग क्षेत्र में भाग (7) सड़क सफाई 3-41 म.र.

S. No	ITEM OF WORK	NO	L(M)	B(M)	H/D(M)	QUANTITY	RATE (Rs.)	UNIT	AMOUNT
1.	Dismantling of flexible pavement and disposal of dismantle material upto a lead of 1000 meters, stacking servicable and unservicable materials separately. (P.W.D SL. NO. 13) @ Rs. 320/m ³								
2.	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). (P.W.D SL. NO. 43) @ Rs. 112.5/m ³								
	Damaged brickwork	(127)	6.07	0.23	0.25	= 0.13 m ³	ER 475		299 = 25
3.	Dismantling reinforced cement concrete or reinforced brick work including stacking of dismantled materials as directed by Engineer-in-Charge within a distance of 60 meters (200 feet). (P.W.D SL. NO. 43) @ Rs. 1000/m ³								
		(127)	5.07	0.90	0.15	= 1.39 m ³			
		(127)	6.07	0.90	0.15	= 1.62 m ³			
						3.01 m ³	ER 1000		3,000 = 0
4.	E.W. in excavation in ordinary Soil 1/3 lead upto 30 m and lift upto 1.5 m. (P.W.D SL. NO. 25) @ Rs. 135/m ³								
	Total dust of Coarse sand = 4.5 + 6.0 + 5.0 + 6.0 + 5.0 = 37.5 m								
	M-1 (1) = (111) 37.5 x 0.9 x 0.20 = 6.75 m ³						ER 135		911 = 25
4A.	Earth work in cutting or in embankment in ordinary soil excavation including ramming and dressing all work complete. (P.W.D SL. NO. 253) @ Rs. 125/m ²								
5.	E.W. in filling from outside cartage upto 3km lead. (AR based on PWD Schedule 2-1-1) @ Rs. 275/m ³								
6.	Providing and laying cement concrete in 1:5:10 (1 Cement: 5 Coarse sand : 10 graded stone aggregate 40 mm nominal size) / 1:4:8 (1 Cement: 4 Coarse sand : 8 graded stone aggregate 40 mm nominal size) including supply of all material, labour, T&P, etc. (P.W.D. SL. NO. 41-1) @ Rs. 540/m ³								
	C.C 1:5:10	ER 500							
	Ramp	(111) 37.5	0.90	0.08		= 2.70 m ³			
		(127) 37.5	0.45	0.08		= 2.70 m ³			
						5.40 m ³	ER 500		27,000 = 0
TOTAL Rs. C/O									31,210 = 50

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अवर अभियंता

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Class-150 brick work in 1:4 cement and fine sand / Coarse sand mortar including supply of all materials, labour
 at T&P etc. required for proper completion of the work. (P.W.D. SL NO. 6.1.1 @ Rs. 4800/10)
 (P.W.D. SL NO. 6.1.1 @ Rs. 5100/10)

31,210.50

Don County (1+2) $37.5 \times 0.23 \times 0.23 = 3.91 \text{ m}^3$
 4.00
 CM 4800/10

19,200.50

8. Providing and laying cement concrete in 1:2:4 (1 Cement: 2 Coarse sand: 4 graded stone aggregate 20 mm nominal size) and curing complete, including cast of form work, in Foundation and floors.
 (P.W.D. SL NO. 4.1.3 @ Rs. 2400/10)

Don County (1+1) $37.5 \times 0.9 \times 0.04 = 1.35 \text{ m}^3$
 R.P. (1+2) $37.5 \times 0.45 \times 0.08 = 2.70 \text{ m}^3$
 4.05 m^3
 4.00
 CM 4800/10

25,600.50

9. 12mm thick cement plaster with cement mortar in proportion of 1:4 cement & fine sand including supply of all material, labour, T&P, etc. (P.W.D. SL NO. 12.1.1 @ Rs. 1600/10)

(1+2) $37.5 \times 0.23 = 17.25 \text{ m}^2$
 CM 1600/10

2,760.50

10. R.C.C. work in 1:1.5:3 with cement: coarse Sand: stone grit excluding reinforcement but including supply of all material, labour, T&P, etc. complete. (P.W.D. SL NO. 5.1.1 @ Rs. 7950/10)

all work of Cross $37.5 \times 0.9 \times 0.20 = 6.75 \text{ m}^3$
 CM 7950/10

53,620.50

11. Mild steel or Iron work in R.C.C. reinforcement including its bending, etc. (AR P.W.D. Schedule SL NO. @ Rs. 5561/10)

1-2-1 R.C.C. 17 $\frac{1.2}{1.2} \times 6.75 \times 78.5 = 6.35 \text{ m}^3$
 CM 5561/10

37,249.10


12. Mild Steel or Iron work heavy size including welding, cutting, wastage, etc. complete. (AR P.W.D. Schedule SL NO. @ Rs. 2100/10)

13. Construction of Granular sub-Base (GSB) by providing coarse graded material, spreading in uniform layers complete in all respects. (Rate as per attached PWD rate detail). (P.W.D. SL NO. 26.58 @ Rs. 2658/10)

3658

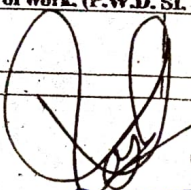
TOTAL Rs. C/O

1,69,632.10


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1,19,182=10

14.	Supply & Laying of precast interlocking tiles of thickness 80 to 100 mm (Compressive strength not less than 30Mps and weight 4.50kg) including 25mm thick local sand base levelling and dressing of surface to required level and slope, filling joints with local sand all complete work. (P.W.D. SI NO. ... 12 (New) / 47 @ Rs. 855/-) (P.W.D. SI NO. ... 12 (New) / 47 @ Rs. 972/-)	Expl R of cross (111) 1.7 2.0 =			12.00 - CR 855L		10,260 =	
15.	Relaying of old precast interlocking tiles of thickness 80 to 100 mm complete. (P.W.D. SI NO. ... 12 (New) / 47 @ Rs. 855/-) (P.W.D. SI NO. ... 12 (New) / 47 @ Rs. 855/-)	/						
16.	Construction of plain cement concrete pavement thickness as per drawing over a prepared sub base with 43 grade cement as per clause 1501.2 M 30 (grade) coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixture of not less than 0.20 cum capacity and appropriate weight batcher using approved mixed design, laid in approved fixed site form work (steel channel laying and fixing of 125 micron thick polythene film wedges steel plates including levelling the form work as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operations including provision of contraction and expansion, construction joints applying primer sealant and construction joint, admixtures as approved curing of concrete slab for 14 days curing compound (where specified) and water finishing to lines and grade as per drawing and technical clause 1501. (P.W.D. SI NO. ... 12 (New) / 47 @ Rs. 77,94.69/m ²)	/						
17.	Supply of ... 2.5-4-5.3 mm size stone ballast including stacking at site. (RMR Rate @ Rs. ... 11,12.72/m ³)	/						
18.	Supply of ... 4.5-8.3 size stone ballast including stacking at site. (RMR Rate @ Rs. ... 11,92.21/m ³)	/						
19.	Supply of stone dust/ moorum including stacking at site. (RMR Rate @ Rs. ... 16,67.72/m ³)	/						
20.	Consolidation of ... 2.5-4-5.3 gauge stone ballast 10cm thick (loose) cont including all labour T&P including Road Roller Charges etc. all complete. (P.W.D. SI NO. ... 755 (C) @ Rs. ... 3022/m ²)	/						
21.	Brick soling with M-150 brick laid on edge including all materials, labour, T&P, etc. required for proper completion of work. (P.W.D. SI NO. ... 712 (b) @ Rs. ... 469/-)	/						
TOTAL Rs. C/O							1,79,942=10	


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179,942.10

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22	Providing and applying Tack Coat with bitumen VG-10 using bitumen pressure distributor at the rate of 0.30 Kg/Sqm. including all material, Labour, T&P etc. required for proper completion of the work. (AR P.W.D Schedule SI. NO. @ Rs. 11.21/10)								
23	Providing and Laying 50mm thick Dense-Graded bituminous macadam with Hot mix plant using crushed aggregates of specified grade from approved quarry premixed with bituminous binder V.G. 30 @ 3.40% of mix including supply of Labour, Material, T&P, etc. required for proper completion of work. (AR P.W.D Schedule SI. NO. @ Rs. 8.543/10)								
24	Providing and Laying 25mm thick Bituminous Concrete with approved crushed aggregate of approved quarry and bitumen binder VG-30 @ 5.4% of the mix and filler including supply all material, labour, T&P, etc. required for proper completion of work. AR P.W.D Schedule SI. NO. @ Rs. 9.37/10								
25	Providing and fixing of inauguration stone with granite stone with brick work pedestal engraving letters on granite stone with golden paint with stone and painting the pedestal complete on all respect (Job Work) (P.W.D. SI. NO. @ Rs. 500/10)								
26	Deduct cost of serviceable bricks available at sites. P.W.D. SI. NO. @ Rs. 5700/100								
27	Deduct cost of brick bats O.B.B./150B.B. (P.W.D. SI. NO. @ Rs. 535/100)	an	1600	0.13-1	855/100				(-) 535 = 50
28	Cartage of materials by head load upto 90m (3kbin). (P.W.D. SI. NO. @ Rs. 76/100)								
MISC.									
TOTAL Rs. 1,79,942.10									
Add 12% GST (-) 21,528.79									
Now TOTAL Rs. 2,00,935.89									
GRAND TOTAL Rs. 2,00,940.12									
NOTE: RATE BASED ON P.W.D SCHEDULE 2019-20 AND PRIVILLAGE RATES.									
SAY Rs.									

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(दिगांकर सिंह)
(सहायक अभियंता)
नगर निगम मथुरा वृन्दावन

रिस चेक टॉय
एसि० धी० मिश्रा
(अधिशासी अभियंता)
नगर निगम मथुरा वृन्दावन