

Name of work -
 Situation of work -
 Agency by which work is executed -
 Date of measurement -
 No. and date of agreement.

(These four lines should be repeated at the commencement of the measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Work Name: - PMUSY Road gopi bigha to Harizam tola					
Name of Contractor: - Narendra Kumar Singh					
Moh - Rajput Colony Company Saray					
Post + P.S. - Saranam, Dist - Rohtak					
- 82145					
Agreement no - 46 M.M.O.S./SAD/2020-21					
Date of work start - 30/1/2021					
Date of Completion - 29/1/21					

84 on the bill

(1) Setting out pillar as do

Benchmark pillar - 1 no

Reference pillar - 3 no

(2) Clearing and Grubbing sand

land as do

27.30 m x 23.13 m x 0.26 m

= 0.61 Ha

(3) Construction of embankment

with material obtained from

barrow pit - 2 no

Area Mean Area Distance Volume

1.980

2.125

3.544

3.427

2.304

2.456

3.135

3.626

3.516

50 m

50 m

50 m

50 "

117.775

156.725

181.748

145.775

632.05 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
for 100 m lead			603.17	m ³	
for 100 m lead			28.88	m ³	
(4) Construction of subgrade and earthen shoulder - do - do					
1 x 30 no x 18 x $\left(\frac{6.826 + 7.726}{2}\right) \times 0.300$					= 1178.712
1 x 10 x $\left(\frac{6.826 + 7.726}{2}\right) \times 0.300$					= 21.82
					1200.532 m ³
(5) Construction of granular sub-base by providing well graded material - do - do					
1 x 30 no x 30 x 4.050 x 0.200					= 457.4
1 x 10 x 4.050 x 0.200					= 8.1
2 x 2 x 4 x 0.200					= 3.2
4 x 3 x 0.200					= 2.4
4 x 4 x 0.200					= 3.2
for P.C. portion					
1 x 30 no x 30 x 3.750 x 0.100					= 112.5
1 x 1 no x 20 x 3.750 x 0.100					= 7.5
4 x 3 x 0.200					= 2.40
					576.7 m ³
(6) Providing, laying, spreading and Compacting stone aggregate					
for 1 x 18 no x 30 x 3.75 x 0.075					= 151.875 m ³
1 x 10 x 3.75 x 0.075					= 2.81 m ³
for p.c.					
1 x 10 no x 30 x 3.75 x 0.075					= 84.375 m ³
1 x 1 no x 20 x 3.75 x 0.075					= 5.625 m ³
2 x 2 x 4 x 0.075					= 1.2 m ³
4 x 3 x 0.075					= 0.9
4 x 4 x 0.075					= 1.2
3 x 2 x 0.075					= 0.45
4 x 3 x 0.075					= 0.9
9.5 x 2 x 0.075					= 1.425
					250.76 m ³
					Grand total 249.25 m ³

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L	B	
(7) Priming and laying of a 2-cc pipe 300 mm dia $2 \times 4 \times 2.50 = 20.00 \text{ m}$				
(8) Priming new H.P. (water) of 100 mm dia - 2 no $2 \times 2 \times 6.450 \times 1.400 \times 0.150 = 5.418$ $2 \times 1 \times 4.931 \times 1.530 \times 0.250 = 3.477$ $5.418 + 3.477 = 9.18 \text{ m}$				
(9) Priming 1-cc in foundation $2 \times 2 \times 6.450 \times 1.400 \times 0.150 = 5.418$ $2 \times 1 \times 4.931 \times 1.530 \times 0.250 = 3.477$ $5.418 + 3.477 = 9.18 \text{ m}$				
(10) P.C.C. in substructure $2 \times 2 \times 6.150 \times 0.825 \times 3.180 = 64.528 \text{ m}$ $2 \times 2 \times 6.150 \times 0.400 \times 0.600 = 5.904 \text{ m}$ $64.528 + 5.904 = 70.432 \text{ m}$				
less for pipe $2 \times 2 \times 0.2857 \times 1.200 \times 0.622 = 2.957 \text{ m}$ $70.432 - 2.957 = 67.475 \text{ m}$				
(iv) Priming and laying P.C.C. pipe 100 mm dia $2 \times 3 \times 2.50 = 7.50 \text{ m}$				
(v) Priming un-reinforced expansion & constr. pipe $1 \times 10 \text{ m} \times 30 \times 3.75 \times 0.160 = 18.0 \text{ m}$ $1 \times 1 \times 20 \times 3.75 \times 0.160 = 12 \text{ m}$ $2 \times 2 \times 4 \times 0.160 = 2.56 \text{ m}$ $2 \times 8 \times 0.160 = 1.28 \text{ m}$ $18.0 + 12.0 + 2.56 + 1.28 = 33.84 \text{ m}$				
(vi) Priming & laying layer of mortar project - 2 no 2 no				

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(iv) R.C.C pipe NP ₃					
1 SRM @ Rs 3546.80					Rs 3202.50
(v) Providing unreinforced expansion joint in concrete - do					
Qty vide item no (i) - P(2) item					
195 sq m @ Rs 6150.77					Rs 1204508.00
(vi) masonry project					
2 no @ Rs 9405.00					Rs 18810.00
					Rs 39,55,619.00
Add 12% U.S.T - Rs					474674.00
Add 1% labor cess - Rs					39556.00
Add 10% foreign exchange - Rs					41740.00
					Rs 45,11,589.00
less 1.5% below - Rs					70832.00
					Rs 44,40,757.00

C&P
M. K. Sharma
1903-21

Executive Eng
R.W.D. (V)
Dehr