

Puzsan Bigha to Takiya to Saidpur PMGSY Road

Schedule XLV Form No. 134.

अ. 12 3742 ग्र. स. 927

DIVISION

SUB-DIVISION

Measurement Book

684

1.

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.	
1st on a/c Bill					
N/W:- Construction of road from Parsam Bigha					
Takya to Saidpur P.M.G.S.Y					
(under M.M.G.S.Y/2020-2021)					
Agency:- Shri Shantash Gope					
Agreement No:- 12/SBD/MMGSY/2021					
Date of Commencement:- 13/07/2020					
Date of Measurement:-					
Item 1:- Providing & fixing of Bench Marks					
Pillars — do — do — all complete job. = 1 No					
Item 2:- Providing & fixing Reference Pillars					
— do — do — all complete job. — = 3 Nos.					
Item 3:- Clearing & Grubbing Road Land					
— do — do — all complete job.					
$20 \times 30m \times 3.50m = 2100.00m^2$					
$3 \times 30m \times 3.50m = 315.00m^2$					
$1 \times 25m \times 3.50m = 87.50m^2$					
$= 2502.50m^2$					
$= 0.250 Hec.$					
Item 4:- Excavation in Soil using Hydraulic excavator					
— do — do — all complete job.					
$2 \times 11 \times 30m \times 0.375 \times 0.175 = 43.312m^3$					
$2 \times 1 \times 20m \times 0.375 \times 0.175 = 2.625m^3$					
$= 45.937m^3$					
Item 5:- Construction of embankment with					

Continuation

500m	3.925	4.358	50m	233.875m ³
400m	3.245	3.485	50m	217.875m ³
300m	3.345	3.495	50m	174.250m
200m	3.410	3.398	50m	166.375m
100m	3.365	3.388	50	220.188m
				<u>2145.563m³</u>
Less Quantity from 0 to 75m	$= 75.00 \times \frac{9+3}{2} \times \frac{2+0}{2} = (-)$			187.50m ³
Less for P.C. Portion	(-)			136.88m ³
Less for W.B.M. Grade III	(-)			102.66m ³
Less for P.C. Portion	(-)			437.58m ³
				<u>= 625.292m³</u>
$= 70\% \text{ E/W with in } 100\text{m Lead} =$				437.70m ³
$= 30\% \text{ E/W with in } 100\text{m Lead} =$				187.587m ³
<u>Item 61 - Construction sub grade earthen</u>				

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Shoulder with approved materials.</u>					
Adjacent to c/c -	2	21	30	1.225	$\times 0.160 = 246.96 \text{ m}^3$
	2	10	10	1.225	$\times 0.160 = 3.92 \text{ m}^3$
	1	2	1	75	$\times 2.75 \times 0.160 = 33.00 \text{ m}^3$
Adj. - W.B.M. G. III	2	21	30	1.40	$\times 0.075 = 232.30 \text{ m}^3$
	2	1	10	1.40	$\times 0.075 = 2.10 \text{ m}^3$
Adj. - G.S.B. Grading A	2	21	30	1.575	$\times 0.10 = 198.45 \text{ m}^3$
	2	1	10	1.575	$\times 0.10 = 3.15 \text{ m}^3$
					$= 650.66 \text{ m}^3$
<u>Item 7: Providing G.S.B. Grading "A"</u>					
- do - do - all complete job.					
	12	30	3.75	$\times 0.100 = 135.00 \text{ m}^3$	
	1	5	2.75	$\times 0.100 = 1.375 \text{ m}^3$	
	2	10	30	$\times 0.375 \times 0.100 = 22.50 \text{ m}^3$	
	1	70	2.75	$\times 0.100 = 19.25 \text{ m}^3$	
				$= 165.87 \text{ m}^3$	
<u>Item 8: Providing W.B.M. Grad III</u>					
- do - do - all complete job					
	12	30	3.75	$\times 0.075 = 101.25 \text{ m}^3$	
	1	5	3.75	$\times 0.075 = 1.406 \text{ m}^3$	
	2	11	30	$\times 0.375 \times 0.075 = 18.562 \text{ m}^3$	
	2	1	20	$\times 0.375 \times 0.075 = 1.125 \text{ m}^3$	
for widening	10	10.98	$\times (4.00 - 3.75) \times 0.075 = 2.05 \text{ m}^3$		
			$= 124.40 \text{ m}^3$		
<u>Item 9: Providing & fixing layers of m.m.G.S.</u>					
- do - do - all complete job = 2 Nos					
18/10/21 18/10/21 18/10/21					
Continuation					

Continuation

Abstract of Cost

Item 1:- Providing & fixing Bench Mark Pillars
—do—do— all complete job.
= 1 No @ 3745.77/each Rs- 3746 = ∞

Item 2:- Providing & fixing Bench Mark Pillars
—do—do— all complete job.
= 3 Nos @ 1703.35/each Rs- 5110 = ∞

Item 3:- Cleaning & Grubbing road land
—do—do— all complete job.
= 0.250 Hoes @ 49496.70/Hoe Rs- 12374 = ∞

Item 4:- Excavation of Silt using Hydraulic Excavator —do—do— F.I.
= 45.94 m³ @ 74.10/m³ —Rs- 3404 = ∞

Item 5:- Construction of embankment

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
within Lead of 1000m.					
= 187.587 m^3 @ $175.11/\text{m}^3$ Rs - 32,848 = ∞					
Item 6: Construction of endment					
within Lead of 100m.					
= 437.70 m^3 @ $139.62/\text{m}^3$ Rs - 61,112 = ∞					
Item 7: Construction of subgrade earth					
Shoulder - do - do - all complete job.					
= 650.66 m^3 @ $176.75/\text{m}^3$ Rs - 1,15,004 = ∞					
Item 8: Providing G.S.B. Grading A'					
- do - do - all complete job.					
= 165.87 m^3 @ $1981.76/\text{m}^3$ Rs - 3,28,595 = ∞					
Item 9: Providing W.B.M. Grade III					
- do - do - all complete job.					
= 124.40 m^3 @ $2586.83/\text{m}^3$ Rs - 3,21,802 = ∞					
Item 10: Providing & fixing logs of M.M.G.S.Y.					
- do - do - all complete job.					
= 2 Nos @ 9160.87/each Rs - 18,322 = ∞					
					Rs - 19,02,317 = ∞
Less 0.59% as per agreement					(-) 11,224 = ∞
					Rs - 18,91,093 = ∞
Add. 12% G.S.T					+ 2,26,931 = ∞
Add 1% Labour cess					+ 18,911 = ∞
					Rs - 21,36,935 = ∞
<i>Syadav</i> 18/01/02 J.E. <i>Syadav</i> 18/01/02 S.E.					