

BATASPUR PMGSY ROAD TO NAYA MAJITH
TOLA KUTAFI

Schedule XLV-Form No.-134

E.E RWD (M) DIVISION

A.E RWD (W) SUB-DIVISION

MEASUREMENT BOOK

M/S Saraswati Const Sagar Gya

3279

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work :- Construction					
of Road from					
Bataspur PMGSY					
road to Nayamanghi					
Bela Kujari.					
Under MMGSY - NDB					
ANSESIL - BRRP-235					
Gaya.					
Agency: M/s Saraswati					
construction					
At Housing Board					
Colony Mustafabad.					
Dist - Gaya.					
Agg.No - 17 / MMGSY - NDB / 2023-24					
Date of Commencement - 19.12.2023					
Date of Completion - 18.12.24					
Date of measurement					
① Construction of					
Benchmark and					
Reference pillar					
G) Construction of					
Reference & Marking					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Benchmark do				
	1x	1.537 Km	—		1.537 Km
(ii)	Reference pillar				
	4 Boreej do				
	1x	1.537 Km	—		1.537 Km
(2)	Cleaning & Grubbing				
	road land do				
	15x	30.0	7.0 m		3150.0 m ²
	15x	30.0	7.0 m		3150.0 m ²
	21x	30.0	7.0 m		4410.0 m ²
	1x	7.0	7.0 m		49.0 m ²
			Total		10759.0 m ²
					= 1.076 Hec
(3)	Construction of				
	embankment with				
	approved material				
	obtained from				
	borrow pits do				
Chainage	Area	Mean Area	Length	Volume	
0	1.18	—	0	0	
100	1.22	1.20	100	120.0 m ³	
200	1.16	1.19	100	119.0 m ³	
300	1.20	1.18	100	118.0 m ³	
400	1.18	1.19	100	119.0 m ³	
500	1.24	1.21	100	121.0 m ³	
				C.O =	597.0 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2nd Sub Structure.				
1000 ramp HPC	3x2	6.0x	$\frac{0.80+0.40+0.40}{3}$	$\times 1.80 = 34.54 \text{ m}^3$	
	3x2	6.0x	0.40x	0.60 = 8.64 m ³	
deduct for pipe	3x2	$\frac{3.14}{4}$	$\times (1.20)^2$	$\times 0.60 = (-) 4.069 \text{ m}^3$	
6000 ramp	1x2	3.60x	$\frac{0.69+0.40+0.40}{3}$		
				$\times 1.10 = 3.870 \text{ m}^3$	
deduct for pipe	1x2	$\frac{3.14}{4}$	$\times (0.72)^2$	$\times 0.50 = (-) 0.58$	
				Total = 42.395 m ³	
(12) Bridge p. lamp					
First Class masonry					
5m x 1.5m					
	1x8	2.2x	1.02x	0.55 = 3.45 m ³	
deduct for pipe	6.22x	0.16		= (-) 0.9952	
				2.49 m ³	
(13) 50m ft/wf m					
Archaeological Trenches.					
1000 ramp	3x2	6.0x	$\frac{0.60+0.525}{2}$	$\times 1.25 = 14.58 \text{ m}^3$	
Archaeological pipe	3x6	3.0x	1.50x	0.90 = 25.51 m ³	
deduct for pipe	3x6	3.0x	0.91	$(-)$ 17.1994 m ³	
6000 ramp	2x3	6.0x	$\frac{0.60+0.525}{2}$	$\times 1.35 = 2.916 \text{ m}^3$	
Archaeological pipe	1x6	4.6x	1.02x	0.42 = 2.762 m ³	
deduct for pipe	1x6	4.6x	0.25	= (-) 1.615 m ³	
				Total = 26.959 m ³	

ABSTRACT OF COST

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1)/1	Construction of				
	Reference & working				
	Benchmark - do do				
	1.537 Km & by TWS Page (2)				
	@ ₹ 5475.01/Km = ₹				8415=0.
(2)/2	Construction of				
	Reference Pillar.				
	& Borey - do do				
	1.537 Km & by TWS Page (2)				
	@ ₹ 3619.97/Km = ₹				5564=00
(3)/3	Clearing & grubbing				
	road lands do				
	1.076 Hec & by TWS Page (2)				
	@ ₹ 75573.34/Hec = ₹				81317=00
(4)/4	Construction of				
	embankment with				
	approved material				
	Lead 1000m - do				
	555.042 m ³ & by TWS Page (3)				
	@ ₹ 259.60/m ³ = ₹				144089=00
(5)/5	Construction of				
	embankment				
	with approved				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		material			
		Lead 100m do do			
	1295.0	98m ³	Qty	Turns	Page (3)
	① ₹ 254 21.39/m ³ ₹ 273771=00				
⑥/6	Construction of				
	Sub grade & e/sky				
	do do do				
	2962.0	1 m ³	Qty	Turns	Page (3)
	① ₹ 263.14/m ³ ₹ 779423=00				
⑦/7	Construction of				
	granular sub				
	base by well				
	graded material				
	grading I do do				
	1196.48	m ³	Qty	Turns	Page (9)
	① ₹ 1778.22/m ³ ₹ 2128861=00				
⑧/8.22	Earthwork in				
	excavation for				
	structure do do				
	192.199	m ³	Qty	Turns	Page (4)
	① ₹ 378.62/m ³ ₹ 76614=00				
⑨/23	Paving of PCC M15				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		1000mm	φ	do do	
22.50 m	Qty	Turb	P-82	(5)	
	(a)	3712.96/m			83542=
(18)/32	Bridge P & layirp				
	Rc a1P3 pipe				
	600mm φ				
7.50 m	Qty	Turb	P-82	(5)	
	(a)	1177.72/m			8833=
(19)/33	laying cement				
	Concrete pipe				
	Rc a1P3 300mm				
	do do				
50.00 m	Qty	Turb	P-82	(4)	
	(a)	813.98/m			40697=
(20)/34	layirp first class				
	bed of do				
2.49 m ³	Qty	Turb	P-82	(6)	
	(a)	575.24/m ³			1432=
(21)/35	filling 2nd foundation				
	Trenches do do				
26.95 m ³	Qty	Turb	P-82	(6)	
	(a)	575.24/m ³			15508=
					C. 6 5462850=

[illegible]