

MMGSyl 2- 1023 to Barachak
Schedule XIV-Form No. 134

Ag-No-

Sherghati

DIVISION

Mohambara

SUB-DIVISION

Shanmjay Kumar Singh

MEASUREMENT BOOK

1355

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.	
Tst On A/c Bill.					
Name of Work:- Construction of Road					
from LO23 to Bara Chalk.					
Head:- H.M.G.S.Y (S.C.)					
Name of Contractor:- Dharamraj					
Kumar Singh					
At:- Vill:- Bakam, P.O. + P.S.:-					
Fesal, Dist:- Awangabad.					
Agreement No:- 35/SBD/202-22					
Date of Work start:- 28.10.2021.					
Date of completion:- 27.10.2022					
Agreement value:- Rs. 33,13,968=00					
Date of Measurement:- 02/5/22.					
02/6/22, 16/6/22, 07/10/22 & 21/10/22					
—Items—					
1. Const. of bench marks &					
reference pillars.					
814.25 cm = 2025 cm.					
1417.00 = 17 cm m.					
2042.00 m.					
= 2.042 km.					
2. Const. of reference					
Pillars/Burjees.					
Qty. same as item 1 = 2.042 km.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
19 S/F/F Hysd bar reinforcement in S/S.					
Cap wall & Dirt wall					
Cap wall -	2	12.46	0.00	0.89	128.16 Kg.
	2	31	1.70	0.395	41.63 Kg.
Dirt wall -	2	4	6.00	0.89	42.72 Kg.
	2	31	1.70	0.395	41.63 Kg.
					254.14 Kg.
					0.2541 M.T.
20. Providing & Laying 100mm dia. thrust pipe					
	5	3	2.50		37.50 m.
Qty					
Record Measurement.					
1 Providing R.C.C. M20 grade in sub-structure.					
A/W -	2	6.00	0.70	0.20	1.68 m ³
Dirt wall -	2	6.00	0.40	0.30	1.44 m ³
					3.12 m ³
2. Providing & Laying cement concrete pipe WP3.					
	4	0	2.50		100.00 m.
3. S/F/F Hysd bar reinforcement in super str.					
Deck slab:-					
Bottom Main -	49	3.65	1.58		282.58 Kg.
" Dist.	24	6.00	0.62		89.28 Kg.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(i) Lead up to 1000 m.					
		Qty. $4651.50 \times 30 / 100 = 1395.45 m^3$			
(ii) Lead up to 150 m					
		Qty. $4651.50 \times 70 / 100 = 3256.05 m^3$			
9. Const. of sub-grade & earthen shoulders.					
0.00 to 350 m.		$11 \times 30.00 \times 7.90 \times 0.30 = 782.10 m^3$			
		$1 \times 20.00 \times 7.90 \times 0.30 = 47.40 m^3$			
350.00 to 1300.		$24 \times 30.00 \times 7.90 \times 0.30 = 1777.50 m^3$			
1300.00 to 2052.		$3 \times 30.00 \times 4.00 \times 0.50 = 108.00 m^3$			
		$10 \times 30.00 \times 8.00 \times 0.30 = 720.00$			
					3455.00 m ³
2052 to 2062.		$1 \times 10.00 \times 8.00 \times 0.30 = 24.00 m^3$			
					3459.00 m ³
2062 to 2067		$1 \times 5.00 \times 7.90 \times 0.30 = 11.85 m^3$			
					3470.85 m ³
10. Laying cement concrete p/c					
		NF3 (buried conduits)			
		$40 \times 2.50 = 100.00 m$			
		At			
		V2/G/22			
		To			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Measurement.</u>					
1. Providing R.C.C. M20 grade					
in sub-structure.					
R/W coping -	4	2.30	0.40	0.15	$0.55m^3$
Kerb -	2	3.60	0.40	0.60	$1.73m^3$
					$2.28m^3$
2. Providing R.C.C. M25 grade					
in super structure.					
Slab -	1	3.60	6.00	0.30	$6.48m^3$
3. Const. of granular sub-					
base in road.					
B-T	11	30.00	4.05	0.20	$267.30m^3$
		1	20.00	4.05	$16.20m^3$
		25	30.00	4.05	$607.50m^3$
		10	30.00	4.05	$243.00m^3$
C.C.	2	6	30.00	0.475	$17.10m^3$
		2	10.00	0.475	$0.95m^3$
		12	30.00	3.75	$135.00m^3$
		2	3	30.00	$8.55m^3$
		1	2.40	3.75	$0.75m^3$
curve	1	8.25	0.40	0.10	$0.33m^3$
		4	10.00	0.45	$3.60m^3$
W/R -	1	10.00	0.40	4.50	$4.50m^3$
Rd -	1	10.00	4.05	0.20	$8.10m^3$
					$1312.88m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. Const. of sub-grade					
earthen shoulders.					
	2	11	30.00	1.33	$20 = 175.56 \text{ m}^3$
	2	20.00	1.33	0.20	$= 10.64 \text{ m}^3$
	2	25	30.00	1.33	$20 = 399.00 \text{ m}^3$
	2	10	30.00	1.33	$0.20 = 159.60 \text{ m}^3$
	2	1	10.00	1.33	$0.20 = 5.32 \text{ m}^3$
	2	15	30.00	1.62	$0.10 = 145.80 \text{ m}^3$
					<u>895.92 m³</u>
Am					
16/6/22					
S-E					

Record Measurement

1. Providing laying & spreading and compacting W.B.M. Gravel III.

11	30.00	3.75	0.075	$= 92.813 \text{ m}^3$
1	20.00	3.75	0.075	$= 5.625 \text{ m}^3$
25	30.00	3.75	0.075	$= 210.938 \text{ m}^3$
10	30.00	3.75	0.075	$= 84.375 \text{ m}^3$
1	10.00	3.75	0.075	$= 2.813 \text{ m}^3$
2	6	30.00	0.375	$0.075 = 10.125 \text{ m}^3$
2	1	10.00	0.375	$0.075 = 0.562 \text{ m}^3$
12	30.00	3.75	0.075	$= 101.250 \text{ m}^3$
2	3	30.00	0.375	$0.075 = 5.062 \text{ m}^3$
1	2.00	3.75	0.075	$= 0.562 \text{ m}^3$
curve - 1	8.25	0.40 (am)	0.075	$= 0.247 \text{ m}^3$
4	10.00	0.45 (am)	0.075	$= 1.35 \text{ m}^3$
W/R - 1	10.00	0.00 + 4.56	0.075	$= 1.688 \text{ m}^3$
				<u>517.41 m³</u>

Continuation

Am
10/7/10/22
S-E

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Revised Measurement					
1. Const. of Un-reinforcement					
Plain Cement Concrete					
Pavement with M 30.					
					$5 \times 30.00 \times 3.75 \times 0.16 = 90.00 m^3$
					$1 \times 15.00 \times 4.00 \times 0.16 = 9.60 m^3$
					$1 \times 15.00 \times 3.50 \times 0.16 = 8.40 m^3$
					$1 \times 5.00 \times 3.75 \times 0.16 = 3.00 m^3$
					$1 \times 20.00 \times 3.75 \times 0.16 = 12.00 m^3$
					$15 \times 30.00 \times 3.75 \times 0.16 = 270.00 m^3$
					$1 \times 2.00 \times 3.75 \times 0.16 = 1.20 m^3$
Curve -					$1 \times 8.25 \times 0.40 \times 0.16 = 0.53 m^3$
					394.73
2. Const. of sub-grade and					
Earth on shoulders.					
					$2 \times 14.00 \times 30.00 \times 1.20 \times 0.075 = 59.40 m^3$
					$2 \times 20.00 \times 1.20 \times 0.075 = 3.60 m^3$
					63.00 m ³
Asst 21/10/22 S.E.					
Acct 21/10/22 A-8					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Material statement					
1.	Soil	—	9081.27	m ³	
2.	Stone Aggregate	—	2436.41	m ³	
3.	Stone Screening	—	124.18	m ³	
4.	Coarse Sand	—	820.55	m ³	
5.	Fine Sand	—	99.50	m ³	
6.	Cement	—	233.23	M.T.	
7.	Reinforcement	—	0.89	M.T.	
By					
21/10/22					
J.E.					

Abstract of cost					
1/1 Const of reference and					
Working bench marks					
Qty. V. side TMB item					
m1 P m1 = 2.042 km					
EM 4711 = 92/km — 9622 = 00					
2/2 Const of reference Pillars/					
Bungees					
Qty. V. side TMB item					
m2 P m1 = 2.042 km					
EM 3037 = 10/km — 6202 = 00					
3/3 Clearing and grubbing of					
road land					

C/o — A 15,824 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B/E			M 9944.733 = 0
		Qty. Vade TMB item			
		NO 4 PNO 2 = 28.00 m			
		CM 116 = 97 each			M 3275 = 0
20/	Laying 1st class bedding.				
	Qty. Vade TMB item				
	NO 8 PNO 2 = 2.49 m ³				
	CM 517 = 32/m ³				M 1288 = 0
21/	Providing & laying 1000 mm				
	dist. tube pipe				
	Qty. Vade TMB item				
	NO 20 PNO 5 = 37.50 m				
	CM 4205 = 13/m				M 57692 = 0
22/	Providing & laying 600 mm				
	dist. tube pipe				
	Qty. Vade TMB item				
	NO 7 PNO 2 = 7.50 m				
	CM 1382 = 26/m				M 10,367 = 0
23/	Laying cement concrete				
	pipe NP3				
	Qty. Vade TMB item				
	NO 16 PNO 8 = 160.00 m				
	CM 831 = 95/m				M 83,195 = 0
24/	Providing sand filling				
	in funnel trench				
	Qty. Vade TMB item				
	NO 9 PNO 3 = 4.10 m ³				
	stem NO 14 PNO 4 = 38.16 m				
	42.26 m				
	CM 517 = 32/m ³				M 21,862 = 0
	C/O - M 1,02,22,412 = 0				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		BIF			151,02,22,412=00
		Add 12% G.S.T.			1512,26,689=00
		Add 1% Labour Cost			15102,224=00
		Add signiorage			162,926=00
					Rs 1,17,14,251=00
		Deduct 19.95% below			
		as per Agreement			15236,993:
		Am			TRs 9377,258=00
		21/10/22			
		J-E			
					Atal
					21-10-22
					AG

Continuation