

Agency - Jitendra Km Singh

Sarda Dhanraj P. to Hachbach

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M.M.G.S.Y

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E.C. R.W.D. using Arrangabad **DIVISION**

A.C. Kufumbas **SID-DIVISION**

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To Sri. Baham Ram
Work Sub-Div. Kutumba

Executive Engineer
Rural Works Department
Works Division, Aurangabad

Schedule XLV - Form No. 134.

E.E. Achal DIVISION.

A.E. Kutumba SUB-DIVISION.

MEASUREMENT BOOK.

28261

211622

Name of village

Sri Baham Ram. A.E.

Kutumba.

Date of the work

Date of the work

Page number of the work

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 H/C Bill				
Name of work -	Construction road from				
	Banda Dumori Road to				
	Hath Bata Taluqa MM GIN				
Agency -	Sri Jitendra Kumar Singh				
	at - Anka, Aranganabad				
Agreement No -	SBI/2020-2				
Date of work start -	08/06/2020				
Date of work completion -	07/03/2021				

Measurement					
① clearing and Grubbing Road					
Level - dr. B.I.I					
$2 \times 14 \times 30 \times 3.50 = 2940.00 \text{ m}^2$					
$2 \times 1 \times 10 \times 3.50 = 70.00 \text{ m}^2$					
					3010.00 m ²
					= 0.30 hectare
② Excavation for road way					
- dr. Bx Cully - dr. B.I.I					
$2 \times 230 \text{ m} \times 0.525 \text{ m} \times 0.10 \text{ m} = 22.05 \text{ m}^3$					
$2 \times 1 \times 20 \text{ m} \times 0.525 \text{ m} = 81.00 \text{ m}^3 = 2.10 \text{ m}^3$					
$2 \times 10 \times 20 \text{ m} \times 0.375 \times 0.10 = 15.00 \text{ m}^3$					
					39.15 m ³
③ Construction of embankment -					
- dr. di. 100 ft of B.I.I - dr.					
Qty same as in ① (Continuation)					
$39.15 \text{ m}^3 \times 60\% =$					23.49 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
④/ Contdmt 6.0 m wide H.P. Cul					
B.W.M. excludin in for					
culvert for struk-d					
H.W. - 4x 2x 3.39x1.15x1.55m = 537.8m ³					
Below Rd					
4x 1x 5.35x1.13x0.365 = 8.828					
					62.608m ³
⑤/ Finley P. ce M ₁₅					
in formakul-d					
H.W. - 4x 2x 3.90x1.15x0.15 = 5.382m ³					
4x 1x 5.311x0.25 = 6.00m ³					
					11.382m ³
⑥/ Finley Plain					
Cement Concrete M ₂₀					
in sub drain - d. cul					
H.W. - 4x 2x 3.60x0.70x2.78 = 56.040					
forst 4x 2x 3.60x0.40x0.60 = 6.912					
					62.952m ³
⑦/ Finley and					62.68m ³
laying Rice like					
M ₁₅ of 60 m dia for					
Culverts - d. C.I.					
4x 3x 2.5m = 30M					
⑧/ 5 Constructing embankment					
-d Material obtained					
from borrow pits -d					
bed up to 100m					
and bed up to 100m					
Qty as per B.W. Calculated check					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
SN/Ch	Area in m ²	Measure Area in m ²	Length		Volume
1 D	0.850				
2 50	0.985	0.918	50		45.875 m ³
3 100	0.694	0.840	50		41.975 "
4 150	0.763	0.729	50		36.425 "
5 200	2.462	1.613	50		80.625 "
6 250	2.236	2.349	50		117.450 "
7 300	3.366	2.801	50		140.050 "
8 350	2.859	3.113	50		155.625 "
9 400	4.250	3.555	50		177.725 "
10 430	3.459	3.855	30		115.635 "
					911.385 m ³

Land upto 100m = 565.05 m³Land upto 1000m = 348.33 m³

2000
 07/01/21
 J.E

Measurement

①/9 Constructing Sub

base - d - G.B

gully - d - R.F

Widening 2x7x30m x 0.525 x 0.10m = 22.05 m³

B.T 2x1x20m x 0.525 x 0.10m = 2.10 "

PCC 2x6x30m x 0.375 x 0.10m = 13.50 "

2x1x20m x 0.375 x 0.10m = 1.50 "

39.15 m³1x7x20m x 4.05 x 0.10 = 85.05 m³

1x1x20m x 4.05 x 0.10 = 8.10

132.30 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(B) G.S.D. in profile Corroder -					
1x 9.65	x	1.65			15.92 M ²
1x 10.78	x	1.95			21.02 "
1x 8.85	x	1.55			13.72
2x 7.0	x	2.0			28 "
1x 11.15	x	1.68			18.73
1x 9.15	x	1.95			17.84
2x 6.0	x	2.0			24 "
1x 12.50	x	1.60			20.00 "
1x 10.20	x	1.80			18.36
1x 9.35	x	1.72			16.36
2x 5x		2.0			20.00
					213.95 M ²
Volume	= 213.95 x 0.10				
					= 21.40 M ³ (B)

Total G.S.D. work done					
= (A) + (B) 132.30 M ³					
= + 21.40 M ³					
153.70 M ³					

(2) Finishing laying					
Scaffolding and Corroder					
- d - 10.13 M 11-3-45					
B.T. Rebar	1x	7x	30x	3.75x	0.075 = 59.06 M ³
	1x	1x	20x	3.75x	0.075 = 5.62 M ³
P.C.C. Rebar	1x	6x	30x	3.75x	0.075 = 50.625
	1x	1x	20x	3.75x	0.075 = 5.625
					120.93 M ³

(3) Construction of earth					
Shoring - d - 10.13 M 11-3-45					
Scaff - d - 10.13 M 11-3-45					

Continuation.

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Adg G.S.B	2x	7x30m	1.39	x0.20	= 116.76 m ³
	2x	1x20m	1.39	x0.20m	= 11.12 "
	2x	6x30m	0.375	x0.10m	= 13.50 "
	2x	1x20m	0.32m	x0.10m	= 1.50 "
	2x	7x30m	1.18	x0.075	= 37.17 "
	2x	1x20m	1.18	x0.075	= 3.54 "
	2x	6x30m	0.375	x0.075	= 10.12 "
	2x	1x20m	0.325	x0.075	= 1.125 "
					194.82 m ³

Lead up to 1000m = 62.34 m³

Lead up to 1000m = 132.49 m³

① 17 Bridge 2 fix m³

typical MM G.S.B S'son

Board - 4-24 I

1x2 = 2 m³

24.1

17.219
1.2

17.219

17.219
AE

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Particulars	Details of actual measurement			Contents of area
	No.	L	B	
1st on A/C B/I				
Abstract of Cost				
①/2 clearing and grubbing				
Roadland - d - B/I				
Qty vide T.M.B. No ①				
= 0.30 hect				
@ 51133 = 76/hect B 15340 = a				
② ③ Roadway B/c culms				
to roadway - d -				
→ d - B/I				
Qty vide T.M.B. No ①				
= 39.15 m ²				
@ 74 = 16/m ² → R = 290.3 = a				
④ Construction of embankment				
→ d - Mehul dipast - d				
of site → d - B/I				
Qty vide T.M.B. No ①				
= 23.49 m ²				
@ 26 = 11/m ² → R = 613 = a				
⑤ Construction of				
embankment → d -				
borrow pits → d - B/I				
Lead up to 100m				
Qty vide T.M.B. No ②				
= 565.05 m ³				
@ 131 = 03/m ³ → R = 74038 = a				
⑥ Cost of embankment → d -				
by 1000 m = 346.3343				
@ 174 = 94/m ³ → R = 60587 = a				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
⑦ Construction of embankment earthen shoulder — d — d — 245					
Qty of T.M.B.P. No ⑤					
Vol 100 m ³ = 62.34 m ³					
@ 176 = 58/m ³ R- 11008 = 0					
⑧ Construction of earthen shoulder — d —					
Vol 100 m ³ = 132.49 m ³					
@ 141 = 17/m ³ R- 18704 = 0					
⑨ Finely Gr. B.G.L.					
— d — d — 245					
Qty of T.M.B.P. No ④					
= 153.70 m ³					
@ 2599 = 99 R- 399618 = 0					
⑩ Finely — d —					
W. B.M.B. — d — 245					
Qty of T.M.B.P. No ④					
= 120.93 m ³					
@ 3713707/m ³ R- 449022 = 0					
⑪/17 Finely Gr. & Finely atypical M.M.B.					
Sign Band — d — 245					
Qty of T.M.B.P. No ⑤					
= 2 Nos					
@ 9285 = 30 R- 18571 = 0					
Construction of concrete H.P. Culvert					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			B.F	R	169700.9 =
less 171-15	15	100	100	100	169700.9 =
			N	R	1527308 =

D. H.

17/02/2021
J.R.

D. H.

17-2-21
A.E.

C.R.P.

J.R.
11/3/21