

Agency - Jitendra Kh. Singh

Chorha Deo Amba 24 to Tehri 19/10/19

PLATE XLV—Tomb of Nubkheperre Intef

17.17.95

Billings P.O.

~~U.S. R. & D. WORK - Arrangement~~
~~DIVISION~~


SUB-DIRECTOR

WILLIAMSON

05790

Certified That This M.B. Contain (100)
Pages By Printers Matchline And Issued
To Sri.....Babam Ram.....A.E.-R.W.D.
Work Sub-Div.....Kutumba.....

10/7/20
Executive Engineer
Rural Works Department
Works Division, Aurangabad
10/7/20

Subordinate E.L.V. - Form No. 134.

E.E. A. birch. Division.

A.E. Kutumba Sub-Division.

MEASUREMENT BOOK.

21790

211523

Sri Babam Ram A.E. Kutumba.

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.B.M.

Name of Work - Constn of Road from

Choorha Deo Amba Road to

Tetaria T. to under Head MM G.S.Y

Agency - Srijitendra K. Singh

Village - Amba, Arangal

Agreement No - / SBD/ 2020-21

Date of Work started - 08/06/2020

Date of Completion - 07/03/2021

Measurement

①/ clearing and grubbing of
 sand land - d. B.I.

$$2 \times 15 \times 30 \text{ m} \times 3.50 \text{ m} = 3150.00 \text{ m}^2$$

$$2 \times 1 \times 10 \text{ m} \times 3.50 \text{ m} = 70.00 \text{ m}^2$$

$$3220.00 \text{ m}^2$$

$$= 0.322 \text{ Hectare}$$

②/ Excavation for road way
 in soil - d. (Excavation)
 - do - do - B.I.

$$2 \times 15 \times 30 \text{ m} \times 0.375 \text{ m} \times 0.10 \text{ m} = 33.75 \text{ m}^3$$

$$2 \times 1 \times 10 \text{ m} \times 0.375 \text{ m} \times 0.10 \text{ m} = 7.50 \text{ m}^3$$

$$34.50 \text{ m}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
③/ Construction of embankment - d. dip slope of 1:1 Qty of sand for No ③/ = 34.5 m ³ x 60% = 20.70 m ³					

④/ Construction of embankment - d. Material obtained from borrow pits - d. 1:1 Qty of sand for ④/ Calculated					
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S. No.	Ch	Fill area m ²	Mean Area m ²	Length	Volume
①	0	1.172			
2	50	1.187	1.180	50	58.975 m ³
3	100	1.306	1.247	50	62.325 "
4	150	1.243	1.275	50	63.725 "
5	200	1.399	1.321	50	66.95 m ³
6	250	1.295	1.347	50	67.35 "
7	300	1.286	1.291	50	64.525 "
8	350	1.354	1.32	50	66.00 "
9	400	1.292	1.323	50	66.15 "
10	450	1.356	1.324	50	66.20 "
11	460	1.340	1.348	10	13.48 m ³
					594.78 m ³
					Up to 1000m

⑤/ Lining and forming of tunnel M. M. G. S. Sing Baid - 1 x 2 = 2 Nos					
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⑥/ Lining and forming of tunnel of R. C. Pipe - d. 300 mm 2 x 3 x 2.5 m = 15 m					
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Continuation

10/01/2024
G.C.

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
<u>Masonry</u>					
① Const arch of granulum					
Sub base - d (G.S.B g.B)					
— d — d — B.I					
① Widening	2x15x30mx	0.375x0.10=	33.75 m ²		
	2x 1x10mx	0.375x0.10=	0.75 m ²		
					① 34.50 m ²
② Smooth Cornu					
	1x 10.25mx	1.68=	17.22 m ²		
	1x 11.25mx	1.35=	15.18		
	2x 6mx	1.50 m =	18.00		
	1x 9.85x	1.68=	16.55 "		
	1x 7.85x	1.85=	14.52 "		
	2x 5.0m x	2.0m =	20.00		
	1x 10.45x	1.55=	16.50 "		
	1x 8.75x	1.80=	15.75 "		
	1x 9.50x	1.90=	18.05		
	2x 6.0m x	2.0m =	24.00		
					175.20 m ²
Volum = 175.20 m ² x 0.10 m (arch) =				17.52 m ³ ②	
Total G.S.B work = ① + ②					
34.50 m ² + 17.52 m ³ =				52.02 m ³	
② Finishing laying boundary					
and Compamy — d — d —					
(w.B m g.B) — d — B.I					
	1x15x30 m x	3.75x0.075m =	126.88 m ²		
	1 x 1x 10 m x	3.75x0.075m =	2.81 m ²		
					350.9 m ²
					129.69 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(3) Constructing earthwork					
Shoulder - d - d - RT					
Adj. G.S.D. - 2x 15x30m x 0.575m x 0.10m = 33.75 m ³					
2x 1x1x10m x 0.325m x 0.10m = 0.75 m ³					
Adj. W.B.M. 2x 15x30m x 0.575m x 0.10m = 25.31 m ³					
2x 1x10m x 0.325m x 0.10m = 5.62 m ³					
					60.372 m ³

$\frac{23.0221}{23.0221}$
 $\frac{23.0221}{23.0221}$
 AE

1st on A.R. B.M.					
Abstract of 681					
1/2 clay and Gravelly road land - d - RT					
Hydrant B.M. No ①					
= 0.32 hectares					
② 5113376/hect - R - 1646520					
2/3 Gravelly - d -					
Box Culvert - d - RT					
Hydrant B.M. No ①					
= 34.50 m ²					
③ 2x 20/m ² - R - 255900					
④ Gravelly Box Culvert					
Constructing embankment					
for - d - deposit of					
Site - d - Continuation					

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