

Agency - Bhim Singh

TAMSI BEDAULI ROAD TO PAWAIYA

~~Highway No. 105~~

Highway No. 105

BHIM P. W. D.

E-E Ruid. - Aynagabad.

DIVISION

~~E-E~~ Kutanbar

S.D. DIVISION

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2723

Certified That This M.B. Contains (100)
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To Sri.....Babbar Ram.....A.E.-R.W.D
Work Sub-Div.....Kulumbha.....

Y. K. Singh
Executive Engineer
Rural Works Division, nt
Works Division, Aurangzba
10/11/20

Schedule XLV - Form No. 134.

E.E. - Kulumbha. DIVISION.

A.E. Kulumbha. SUB-DIVISION.

MEASUREMENT BOOK.

211147

2323

Name of owner Sri Babbar Ram A.E.
Kulumbha.

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
<u>3rd on All Bull</u>					
Name of place - <u>Constructing Ramdham</u>					
<u>Tamli Balauli Road to</u>					
<u>Laweyanvithund M. H. G. S. Y</u>					
Agency	<u>Bhim Singh Ad. Rajpura</u>				
	<u>Arranged Land.</u>				
Agreement No	<u>- 96 S.D. / 2020-21</u>				
Agreement No	<u>R. 8235303-0</u>				
Start work start	<u>- 08/9/2020</u>				
Start construction	<u>- 07/9/2021</u>				
Rate -	<u>101. Below the D.O. & R. L.</u>				
① <u>M. H. G. S. Y</u>					
①/12 <u>Building Ramdham</u>					
<u>and side of B.I.</u>					
1x 30x30m x 3.75m = 3375.00m ²					
1x 25x30m x 3.75m = 2812.50m ²					
1x 25 22x30m x 3.75m = 82.50m ²					
Total = 6270.00m ²					
②/13 <u>Building and side of B.I.</u>					
<u>Talk with B.I.</u>					
<u>and side of B.I.</u>					
<u>and side of B.I.</u>					
By (16) <u>in ①/12 = 6270m²</u>					
③/14 <u>Building Ramdham</u>					
<u>and side of B.I.</u>					
<u>and side of B.I.</u>					
<u>and side of B.I.</u>					
T.M. B. By (16) <u>in ③/14 = 6270m²</u>					
③ <u>Building Ramdham</u>					
<u>3x 3x 2.5m = 22.5m</u>					

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
Gr. Qty: 6270 m ²					
④/22 finding area for finding of concrete					
Trapezoidal - 1 m for 1/2 m of 8 No					
⑤/28 finding area of - d. Road Making					
⑥ on B.T. 8222 - d. at I					
2 x 30 x 30 m x 0.10 m =					180.00 m ²
2 x 25 x 30 m x 0.10 m =					150.00 m ²
2 x 1 x 22 m x 0.10 m =					4.40 m ²
2 x 1 x 20 m x 0.10 m =					334.40 m ²
on P. 2222					4.00 m ²
2 x 2 x 355 m x 0.10 m =					142 m ²
on P. 2222					339.82 m ²
2 x 30 x 30 m x 0.10 m =					18.00 m ²
2 x 1 x 10 m x 0.10 m =					2.00 m ²
20.00 m ²					
⑦/11/21 54					

3rd on A.C. B.M.					
Abstract of cost					
⑧/3 clearing and grading of road land of 121					
⑨/10 T.M.B.B. ⑪					
= 1.26 ha					
⑩/5 51133 = 7/4 ha R. 64429 = 0					
⑪/4 finding - d -					
B.M. Qty - d - B.T.					
Qty in T.M.B.B. ⑪					
= 7.50 m ²					
⑫/4 74 = 16/m ² - R. 556 = 0					
⑬/5 constant component					
- d. disposal of 1/2 d -					
Qty in T.M.B.B. ⑪					
= 4.50 m ² @ 2.6 = 11/m ² R. 117 = 0					

Continuation

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
(10) Laying layering and construction - d - W.B.M. 86-3 - d - 41 Qty. Bk. T.M.B.R. (12) = 505.50 m ³ @ 3571 = 52/m ³ R - 1815513 = 0					
(12) Laying and applying Bitum concrete with Bitum concrete (S.S.) - d - 2 - B.I. Qty. Bk. T.M.B.R. No. (16) = 6270.00 m ² @ 45 = 06/m ² R - 282401 = 0					
(13) Laying 2nd layer T.M.B.R. - d - 412 Qty. Bk. T.M.B.R. (16) = 6278.00 m ² @ 15231/m ² R - 95994 = 0					
(14) Laying layering and rolling - d - for concrete layering material - d - 41 I Qty. Bk. T.M.B.R. (16) = 6270.00 m ² @ 203 = 22/m ² R - 1274189 = 0					
(15) Construction - reinforced slab concrete formwork - d - 41 I Qty. Bk. T.M.B.R. (13) = 60.00 m ³ @ 6106 = 47/m ³ R - 373716 = 0					
(16) Laying layering 300 mm thick R.I. Qty. 3x3x2.50 m = 22.50 m R. (16) @ 888.30 m					

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(19) Land and survey - at M.M. G.S. 4 in front of sign Band with logo of Atyade T.M.B.R. (13)					
= 2 MB					
@ 9254 = 64/1000 R-185092					
(22) Land and survey 600 mm irregular Tangle - at G.I. Atyade T.M.B.R. (17)					
= 8 MB					
@ 3682 = 60/1000 R-184132					
(23)/27 Land and					

Land and survey - at R.M. G.S. 4 Atyade T.M.B.R. No (17)					
= 339.85 M ²					
@ 73544/m ² R-2532862					
2/36 1416 in execution for Padda - at G.I. Atyade T.M.B.R. (13)					
= 89.60 MB					
@ 269 = 72/100 R-240772					
(15)/37 Land and survey in front of Atyade T.M.B.R. No (13)					
= 13.80 M ²					
@ 4822 = 88/100 R-665562					
(28) R.M. G.S. 4 Atyade T.M.B.R. No (17) 20 M ² 82 = 25/100					

Particulars	Details of actual measurement				Content of area
	No	L	B	D	
(38) Laying floor Cement Concrete 1/20 in Sub-structure 14 I Qty in T.M.P.R. (14) = 101.228 M ³ @ 5600 = 57/M ³ R- 566890 = 0					
(39) Laying and laying Rice Pitter M.B. of dist. 100 mm — d — d — d I Qty in T.M.P.R. (14) = 22.50 M					
(40) 3701 = 23/M R- 83278 = 0					
					R = 9407987 = 0
					R = 9135450
					1187614 = 0
Add (40) 1.457.121 R- 1184038 = 0					
					R = 10292053 = 0
less 29.41.1.121					10323104 = 0
as per Agreement (40) R- 303603 = 0					
					N.R. 7287075 = 0
less 29.41.1.121					E.R. 7287000 = 0
Qty in T.M.P.R. (14)					N.R. 75 = 0
					R = 37534 = 0
THY/21					

Particulars	Details of actual measurement			Contents of area
	No.	L	B	

3rd & FINAL BILL

Name of Work - Construction
of Road from Tamsi Bedauli
Road to Palwariya (under
Heard MMSY)

Agency - Bhim Singh

Agreement No. 96 GBD/20-21

Date of work start: - 08-09-20

Date of completion: - 07-09-21
(After Agreement)

(1) Dismantling of
Existing Structures
Link Culvert... etc.

(a) Plaster cement concrete

$$1 \times 3.5 \text{ M} \times 1.1 \text{ M} \times 0.15 \text{ M} = 0.5925 \text{ M}^3$$

$$3 \times 3.5 \text{ M} \times 1.5 \text{ M} \times 0.15 \text{ M} = 2.1225 \text{ M}^3$$

$$3.023 \text{ M}^3$$

$$\text{or } 3.02 \text{ M}^3$$

b. Brick masonry

$$1 \times 2 \times 6.2 \times 0.925 \times 2.5 = 17.33 \text{ M}^3$$

$$3 \times 2 \times 6.2 \times 0.925 \times 3.00 = 32.67 \text{ M}^3$$

$$109.40 \text{ M}^3$$

(c) Hume pipe up to 600

$$\text{mm dia} \rightarrow 7.50 \text{ M}$$

d. Hume pipe above 600 to 900

$$\text{mm dia}$$

$$3 \times 5.00 \text{ M} \rightarrow 15.00 \text{ M}$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	

H.P. Curves 600 mm dia.

(2)

Excavation

for structure of found.

$$3 \times 2 \times 3.9 \text{ M} \times 1.15 \text{ M} \times 1.5 \text{ M} = 40.36 \text{ M}^3$$

$$3 \times 5.35 \text{ M} \times 1.13 \text{ M} \times 0.365 = 6.619 \text{ M}^3$$

$$46.984 \text{ M}^3$$

$$\text{limited to } 46.99 \text{ M}^3$$

(2) Providing P.C.C.M 15

cm open foundation -

$$3 \times 2 \times 3.9 \text{ M} \times 1.15 \text{ M} \times 0.15 \text{ M} = 3.61 \text{ M}^3$$

$$3 \times 5.31 \text{ M} \times 1.13 \text{ M} \times 0.25 \text{ M} = 4.56 \text{ M}^3$$

$$8.17 \text{ M}^3$$

$$8.99 \text{ M}^3$$

(3) Providing P.C.C.M 20 cm

Sub structure -

$$3 \times 2 \times 3.6 \text{ M} \times 0.7 \text{ M} \times 2.7 \text{ M} = 42.034 \text{ M}^3$$

$$3 \times 2 \times 3.6 \text{ M} \times 0.6 \text{ M} \times 0.6 \text{ M} = 5.194 \text{ M}^3$$

$$\text{less } 3 \times 2 \times 0.795 \text{ M} \times 0.53^2$$

$$\times 0.53 = (-) 1.72 \text{ M}^3$$

$$45.495 \text{ M}^3$$

$$\text{or, } 45.50 \text{ M}^3$$

(4) Providing R.C.M 15

Rebar 600 mm dia.

$$3 \times 3 \times 2.6 \text{ M} = 22.50 \text{ M}$$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(5) Providing Painting On Parapet Wall. etc.					
(a) On 600 mm dia. Culvert					
3x2x3.6M x 0.40M					= 6.64 M ²
3x4x3.6M x 0.60M					= 25.92
3x4x0.4M x 0.6M					= 2.88
(b) For 1000 mm dia.					
3x2x6.15M x 0.40					= 14.76
3x4x6.15M x 0.60					= 44.28
3x4x0.60M x 0.40					= 2.88
					99.36 M ²
(6) Construction of Embankment.					
Qty vide graph attached					
					= 995.21 M ³
(c) For 100 M. Level allowance					
74.17% of Qty 995.21 M ³					= 737.88 M ³
less Previous Qty - (c)					518.02 M ³
					295.43 M ³
					219.43 M ³
(d) Const. of Subgrade earthen shoulders.					
2x56x30x1.152x0.075					= 297.86 M ³
2x56x30x1.399x.2					= 932.74 M ³
					1230.60 M ³
less Allowance					1022.39 M ³

Continuation

Particulars	Details of actual measurement			
	No.	L	B	D
Less Bitumen etc				1230.60 M³
				471.91 M³
				756.69 M³
(8) Construction of granular sub base Road Curb				
				$8 \times 17.5 \text{ M} \times 0.9 \text{ M} \times 0.2 \text{ M} = 25.20 \text{ M}^3$
				Admitted to 25.19 M ³
(9) Providing & laying spreading & compacting - WBM - gr - III				
Road Curb				
				$8 \times 20.15 \text{ M} \times 0.9 \text{ M} \times 0.075 \text{ M} = 10.85 \text{ M}^3$
(10) Providing Prime Coat Road Curb				
				$10 \times 25.83 \text{ M} \times 0.9 \text{ M} = 232.47 \text{ M}^2$
(11) Providing & applying Tack Coat				
				$10 \times 25.83 \text{ M} \times 0.9 \text{ M} = 232.47 \text{ M}^2$
(12) Providing mix Seal surfacing etc				
				$10 \times 25.83 \text{ M} \times 0.9 \text{ M} = 232.47 \text{ M}^2$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(13) Providing Rigid Pavement - . . .					
Road Curb - . . .					
$8.310 \text{ M} \times 0.9 \text{ M} \times 0.160 \text{ M} = 1.2 \text{ M}^3$					
(14) Providing Reinforced Cement Concrete M15 - . . .					
(a) Eccentric K.M. Stone -					3 NO
(b) 200 M Stone -					7 NO
(15) Providing Fixing					
Logo - . . .					4 NO
					4 NO
(16) Providing Fixing					
Boundary Pillars -					4 NO
(17) Providing Fixing					
of					
(a) Benchmark Pillar -					2 NO
(b) Rubber Reference Pillar -					2 NO
(18) Reinforced Cement Concrete M15 -					
(a) K.M. Stone -					2 NO
(b) 200 M Stone -					8 NO

Sch. XLV-Form No. 134					Cents of Area
Particulars	Details of actual measurement				
	No.	L	B	D	
ABSTRACT OF COST					
(1) Providing & fixing -					
Qty vide T.M. B.P. - 26					
(1) Working Bench mark					
2 No CB 3920.14 / No. B 78.55 = 00					
(1) Reference Pillars					
2 No CB 1782.07 / No. B 12474 = 00					
(2) Clearing & grubbing					
Revelance ... etc - - -					
Qty vide T.M. B.P. - 17					
1.26 No. etc					
CB 51133.74 / No. B 64429 = 00					
(3) Box cutting - - etc - -					
Qty vide T.M. B.P. - 17					
2.5 M ³ CB 74.16 / M ³ - R 556 = 00					
(4) Const of Embankment					
4.50 M ³ CB 26.11 / M ³ - R 117 = 00					
(5) Const of Embankment					
Qty vide T.M. B.P.					
Page - 19 - 518.02 M ³					
P.1 - (24) - 219.53 M ³					
737.55 M ³					
CB 131.03 / M ³ - R 96641 = 00					

Continuation

Rs 182075 = 00

Particulars	Details of actual measurement			
	No	L	B	
				192075=00
(6) Const of Embankment				
Qty vld to M.B P1-16				
271.95 M ³		271.95		
ck. 176.59		176.59		
				47512=00
(7) Const of subgrade P				
earthen shoulder -				
Qty vld to M.B P1-4				
page-16 -		471.91		
page-24 -		1022.19		
		1494.30		
@ R 176.59/M ³ -				2639(3=00
(8) Const of subgrade				
earthen shoulder				
Qty vld to M.B P1-16				
3496.71 M ³				
@ R 141.17/M ³ -				492219=00
(9) Const of granular				
sub base (G.C.B) -				
Qty vld to M.B P1				
page-19 -		1391.50		
page-24 -		25.19		
		1416.69		
@ R 2499.39/M ³ -				3540561=00

Continuation

R5. 4526530=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					4526530=00
(10) Providing S.P. casting					
2 Compacting N.B.M. 95-2					
Qty vide T.N.B.					
Page-19			505.50 M ³		
Page-23			10.66 M ³		
			516.38 M ³		
					@ Rs 3571.52/M ³ - Rs 1854589=00
(11) Providing Papplymer					
Prime Coat - - - -					
Qty vide T.N.B.					
Page-19 -			6270.00 M ²		
Page-23 -			232.47 M ²		
			6502.47 M ²		
					@ Rs 45.04/M ² - Rs 292871=00
(12) Providing Papplymer					
Prime Coat - - - -					
Qty vide T.N.B.					
Page-19 -			6270.00 M ²		
Page-23 -			232.47 M ²		
			6502.47 M ²		
					@ Rs 15.31/M ² - Rs 99543=00
(13) Providing N.S.S. - etc.					
Qty vide T.N.B.					
Page-19 -			6270.00 M ²		
Page-23 -			232.47 M ²		
			6502.47 M ²		
					@ Rs 203.22/M ² - Rs 1321432=00
					Rs 8094975=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			P/A B		6094975=00
(14) Providing Rigid pavement M 30 - - -					
Qty wide T.M. B					
Per - (19) -			60.00 M ³		
Per - 26 -			1.20 M ³		
			61.20 M ³		
@ Rs 6106.47/M ³ - - B					373716=00
(15) Providing 2 fixing					
REL M 15 -					
& wide T.M. B P1 - 26					
(9) K.M. stone - 3					
@ Rs 2028.13/M ³ - - B					6084=00
(11) 200 M stone					
2 NO @ Rs 559.39/M ³ - - B					3916=00
(16) Providing 2 fixing					
Log Sign Board - - -					
Qty wide T.M. B P1 - 16					
4 NO @ Rs 9251.64/M ³ - - B					37019=00
(17) Providing Boundary					
Pillars - - - ch - -					
45 NO @ Rs 466.25/M ³ - - B					22404=00
(18) Providing 2 fixing					
Traffic Sign Board - - -					
Qty wide T.M. B P1 - (27)					

Continuation

Rs 8538114=00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			B/A		8538114=00
(a) 600 mm circular					
10 NO @ 3682.66/NO - B					36826=00
(b) 600 mm circular					
8 NO @ 4954.91/NO - B					39636=00
(c) 500 mm x 600 mm					
8 NO @ 6927.49/NO - B					55420=00
(d) 600 mm x 450 mm					
6 NO @ 4524.32/NO - B					27146=00
(e) 900 mm single Octagone					
4 NO @ 8952.35/NO - B					35602=00
(19) Providing Regular masonry					
(1) Wide T.V. B P1 - 20					
334.82 M ²					
@ 735.44/M ² - B					249917=00
(20) Planting Tree - 1					
170 NO @ 815.26/NO - B					138594=00
(21) Providing Laying of 300 mm dia. irrigation pipe etc.					
50.00 RM @ 888.30/RM - B					44415=00
(22) F/W excavation in form of structure					
Part - 20 - 59.41 M ³					
Part - 23 - 46.99 M ³					
@ 269.32/113 Continuation					36730=00

R. 92

9204000=00

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
A/F A					9204000=0
(23) Providing PCC M15-					
Page-(24)		13.90	M ³		
Page-(23)-		8.55	M ³		
		22.35	M ³		
@ Rs 4822.85/M ³ - B					107791=00
(24) Providing PCC M20 in					
sub structures - - etc - -					
Qty vide T.M.B					
Page-(21) -		101.22	M ³		
Page-(23) -		45.50	M ³		
		146.72	M ³		
@ Rs 5600.57/M ³ - B					821716=00
(25) Providing RCC N/P/3					
Pipe of 600 mm dia N/P/3					
22.5 M @ Rs 9950.85/M - B					22407=00
(26) Providing & Laying					
RCC N/P/3 Pipe					
22.5 M @ Rs 3701.23/M - B					83279=00
(27) Painting on Para Pet					
Qty vide T.M.B - 24					
99.36 M ² @ Rs 97.19/M ² - B					9657=00
(28) Reinmenting of					
Existing structure - -					
Qty vide T.M.B N-(22)					

Continuation

Rs 10248849=00

Sch. XLV-Form No. 154				Contents of area
Particulars	Details of actual measurement			
	No.	L	B	
(a) Cement Concrete				1021884=00
3.02 N ² @ Rs				
@ Rs 494.74 / M ³ -			R	1464=00
(b) Cement Mortar				
109.4 @ Rs 231.77 / M ³ -			R	25356=00
(c) Up to 600 mm dia pipe				
7.5 M @ Rs 174.79 / M -			R	1311=00
(d) Above 600 mm dia				
15.00 M @ Rs 236.34 / M -			R	3545=00
			R	10280525=00
Add 13%				
(12% GST + 1% L. cess)			+ R	1336468=00
<u>Less Amount of Payment upto date</u>			R	11616993=00
<u>Less 29.41% below cost</u>			- R	3416558=00
(As per Agreement)			R	8200435=00
<u>Less Amount of Payment upto date</u>			- R	7287000=00
<u>Net Payable Amt</u>			R	913435=00
Paid by				CSP
2/5/21				Jas Singh
J. Edeo			A.E.	5/6/21