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Agency - Kishore Kt. Singh

Shri M. N. S. S. S.

Kanar Basantpur Gath to

Bodhi Singh

SHRI P. W. D.

M. N. S. S. S. U. C.

E. E. R. W. D. with Ayangabad. Division

Assistant Engineer III Division

R. W. D. with Sub-Division - Kalyanpur

REASUREMENT. WORK.

[2556]

Certified that this M.B. contain
100 (one hundred) pages by Printers-
Machine and issued to Shi Baban
Ram A.E. R.W.D. Wary Sub-Division
Kutumba.

Oil
10/12/20
Executive Engineer
Rural Works Deptt. and
Works Division, Ayrangabad
Shi Baban Ram

Schedule XLV - Form No. 134.

E. E. Ayrangabad. DIVISION.

A. E. Kutumba. SUB-DIVISION.

MEASUREMENT BOOK.

2556

512320

Name of owner

Shi Baban Ram A.E.

R.W.D. Wary Sub-Div. Kutumba.

Date of first entry

Date of last entry

विद्या गणविश्व वेदा, गण :

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
<u>5th ON A/C BILL</u>					
Name of Work - Construction of Road from Karkma Basantpur Road to Bodhihigha (M.M.G.S.P.C)					
Agency - S. K. Shor Kumar Singh.					
Agreement No. - 69 SRD/2020-21					
Date of start work - 31-07-20					
Date of Completion - 30-07-21					

(1) Cleaning and grubbing

Road danc ... etc - -

$$2 \times 39 \text{ NO} \times 30 \text{ M} \times 3.52 \text{ M} = 8190.00 \text{ M}^2$$

$$2 \times 15.00 \text{ M} \times 3.50 \text{ M} = 105.00 \text{ M}^2$$

$$8295.00 \text{ M}^2$$

$$= 0.929 \text{ Hect}$$

$$\text{or, } 0.93 \text{ Hect}$$

(2) Excavation of Road

Wing (Box cutting)

$$2 \times 39 \times 30 \text{ M} \times 0.525 \text{ M} \times 0.100 \text{ M} = 122.85$$

$$2 \times 15.00 \text{ M} \times 0.525 \text{ M} \times 0.100 \text{ M} = 1.57$$

$$124.42 \text{ M}^3$$

$$\text{Mineral to } 116.93 \text{ M}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
(2) Berwick 600 mm dia RCC V/P - 3 R/S					
2 X 3 M X 2.5 M					= 15.00 M.
(3) Construction of Embankment with approved stone & how stone pits - etc -					
Qty vide as per Graph attached					10925.40 M ³
(4) For 100 M level Allowed 25.57% ab					
Total Qty 10925.40 M ³					= 3155.03 M ³
Less Qty vide T.A.B.P. (3)					1129.41
					2025.62 M ³
(5) For 1000 M level Allowed 13.72% ab					
Actual Qty 10925.40 M ³					= 1499.37 M ³
Allowed to					1499.35 M ³
Less Qty vide T.A.B.P. (3)					609.14 M ³
					890.21 M ³
(6) Construction of Subgrade & earthen shoulder					
2 X 67 X 30 M X 1.142 M X 0.075 M					= 356.323
2 X 25 M X 1.142 M X 0.075 M					= 4.432
2 X 67 X 30 M X 1.338 M X 0.200 M					= 1115.952
2 X 25 M X 1.338 M X 0.200 M					= 13.89
2 X 21 X 30 M X 0.375 M X 0.160 M					= 25.60
2 X 20 M X 0.375 M X 0.160 M					= 2.40
					1528.637

Continuation

Sch. XLV-Form No. 134²⁷

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					1568.63 M ³
2X21X30M X 0.375M X 0.75M					= 38.437
2X20M X 0.375M X 0.075M					= 1.125
2X21X30M X 0.375M X 1.00M					= 47.25
2X20M X 0.375M X 1.00M					= 1.50
					1653.949
limited say					1653.95 M ³
(10) Construction of sub					
Granular Sub base					
2X32X30M X 0.525M X 1.00M					= 100.80M
2X5.00M X 0.525M X 1.00M					= 0.525M
					101.32 M ³

(11) Providing & placing					
Concrete W.B.M. - T/A					
40M X 30M X 3.75M X 0.075M					= 337.50
4910 X 30M X 3.75M X 0.075M					= 413.43
15M X 3.75M X 0.075M					= 4.22 M ³
Extra for curb	2X	10X	1.19X	0.9X	= 15.11 M
					770.26 M ³

(12) Providing & placing					
Prime coat etc.					
3310X30M X 3.75M					= 3712.50 M
3410X30M X 3.75M					= 3825.00
25M X 3.75M					= 93.75
Extra for curb					
2X10X10M X 0.763M					= 152.60

Continuation

7793.85 M²

Donath.
20/7/21
JL

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
(13) Providing & applying Tack Coat .. etc ..					
33/10 X 30 M X 3.75 M					= 3712.50 M ²
34/10 X 30 M X 3.75 M					= 3825.00 M ²
1 X 2.5 M X 3.75 M					= 93.75 M ²
Extra for CURB					
2 X 10 X 10 M X 0.763 M					= 152.60 M ²
					7793.85 M ²
(14) Providing 20 mm Thick Max. bed surface					
33 X 30 M X 3.75 M					= 3712.50 M ²
34 X 30 M X 3.75 M					= 3825.00
1 X 2.5 M X 3.75 M					= 93.75 M ²
Extra for CURB					
2 X 10 X 10 M X 0.763 M					= 152.60 M ²

Grand Total
= 7793.85 M²

(15) Providing Regular Pavement .. etc ..					
21 X 30 M X 3.75 M X 0.160 M					= 378.00 M ³
20 M X 3.75 M X 0.160 M					= 12.00
Extra for CURB					
$\frac{8 \times (0.420)}{2} \times 0.975 \times 1.60 \text{ M}$					= 7.50 M ³
					397.50 M ³

(16) Providing Hard should- - ring (salling B/F)					
2 X 21 X 30 M X 0.250 M					= 315.00 M ²
2 X 20 M X 0.250 M					= 10.00

Continuation

325.00 M²

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(17) Providing PCC MKG-					
(a) K.M. Stone					4110
(b) 200M Stone					11110
(18) Providing & fixing					
Logo of Project					2110
(19) Providing Boundary					
Pillars					72110
(20) Providing & fixing					
Traffic sign					
(a) 600mm eq. equilateral					
& Triangle					18110
(b) 600mm circular					12110
(c) 600mm x 600mm					
Rectangular					12110
(d) 600mm x 450mm					
Rectangular					8110
(e) 900mm Stone					
Octagon					6110
(21) Providing Road					
marking etc.					
(a) Bit Parton					
2x67110x30Mx0.10014					= 402.0011
2x225Mx0.100M					= 5.00
					407.00
					M ²

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
(b) PCC Pavement					
2x21 No x 30 M x 0.100 M					= 126.00 M ²
2x20 M x 0.100 M					= 4.00 M ²
					130.00 M ²
(22) Providing & Planting Trees					203 No.
(23) Providing & Planting on periphery					
Monthly					
28/7/21					(a) 6000 mm dia
J.E. Kulkarni					13x2x36x.4 = 37.44 M ²
					13x4x3.60x0.6 = 112.32
					13x4x0.4x0.60 = 12.48
(b) 1000 mm dia					3x2x6.15x.4 = 14.76
					3x4x6.15x.6 = 44.28
					3x4x.4x.6 = 2.88
Monthly					
28/7/21					224.16 M ²

ABSTRACT OF COST

(1) Providing Setting out

Qty vide TMB, P-1

(a) Bench Mark

3 No

@ RA 3922.92/No-RA 11769 = ∞

(b) Reference Pillars

10 No @ RA 1780.59/No-RA 17806 = ∞

(2) Clearing & Grubbing

road land

1.05 Hect @ 4 vide TMB P-20

0.83 Hect @ 4 vide TMB P-24

1.88 Hect @ RA 51133.76/Hect-RA 961312 = ∞

125706 = ∞

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			B/E	P.A.	125706 = ∞
(3) Excavation of Road					
Way (Box cutting)					
26.25 M ³ Qty vide TMB P-20					
116.93 M ³ Qty vide TMB P-24					
143.18 M ³					
@ RA 74.16 M ³ - P.A.					10618 = ∞
(4) Const. of Embankment					
151.75 M ³ Qty vide TMB P-20					
70.16 M ³ Qty vide TMB P-25					
85.91 M ³					
@ RA 26.11 M ³ - P.A.					2243 = ∞
(5) Const. of Embankment					
With Approved Material -					
(a) For 100 M Lead -					
1129.41 Qty vide TMB, P-21					
2025.62 Qty vide TMB, P-26					
3155.03 M ³					
@ RA 131.03 M ³ - P.A.					413407 = ∞
(b) For 1000 M Lead					
608.14 Qty vide TMB, P-21					
891.21 Qty vide TMB, P-26					
1499.35 M ³					
@ RA 174.94 M ³ - P.A.					262296 = ∞

Continuation

814267 = ∞

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(6) Const. of Sub-Grade			016	PA.	814267=00
Earth Shoulder					
(7) For 1000 m Road					
Qty vide TMB P-22					
1052.75 m ³					
@ RA. 176.58/m ³ - RA.					185895=00
(b) For 100 m Road					
802.38 Qty vide TMB P-22					
1653.95 Qty vide TMB P-27					
2456.33 m ³					
@ RA. 141.17/m ³ - RA.					346760200
(7) Const. of Granular Sub-base					
1454.09 Qty vide TMB P-22					
101.32 Qty vide TMB P-27					
1555.41 m ³					
@ RA. 2598.55/m ³ - RA.					4041811=00
(8) Providing Layer 100mm Grade - III					
Qty vide TMB P-27					
770.26 m ³					
@ RA. 3799.90/m ³ - RA.					2926911=00
(9) Providing Gabbling Prime coat					
Qty vide TMB P-27					
7783.85 m ³ @ RA. 45.12/m ³ - RA.					351209=00
Continuation					8666853=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
			3/4	P.A.	366853=00
(10) Providing & abutting					
Track Coat					
Qty vide TMB P-28					
7783.85 M ² @ RA 15.34/M ² - RA					119404=00
(11) Providing Lining &					
rolling M.S.G					
Qty vide TMB P-28					
7783.85 M ²					
@ RA 207.26/M ² - RA					1613287=00
(12) Providing Rigid					
Pavement etc					
Qty vide TMB P-28					
397.80 M ²					
@ RA 6195.80/M ² - RA					2464689=00
(13) Providing Haul Shoring					
Qty vide TMB P-28					
325.00 M ²					
@ RA 543.78/M ² - RA					176729=00
(14) Providing PCC MIS					
Qty vide TMB, P-29					
(a) K.M Stone					
4 NO @ RA 2048.50/NO - RA					8194=00
(b) 200 M Stone					
11 NO @ RA 562.95/NO - RA					6192=00
Continuation					13055348=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
			HF	PA.	13055248 = 00
(15) Providing & Fixing					
Logo of Project					
Qty vide TMB P-29					
5 No @ RA 92.73.18 / No - PA					46369 = 00
(16) Providing Boundary					
Pillars					
Qty vide TMB P-29					
72 No @ RA. 468.36 / No - PA					33722 = 00
(17) Providing & Fixing					
Traffic Sign					
Qty vide TMB P-29					
(19) 600 MM Equilateral					
& Triangle					

18 No @ RA 3692.17 / No - PA. 66459 = 00

(b) 600 MM circular

12 No @ RA 4964.08 / No - PA. 59569 = 00

(c) 800 x 600 MM rectangular

12 No @ RA. 6937.06 / No - PA. 83245 = 00

(d) 600 x 450 MM rectangular

8 No @ RA 4833.89 / No - PA. 38671 = 00

(e) 900 MM Side Octa Cone

6 No @ RA 8859.95 / No - PA. 53160 = 00

(18) Providing Road Marking

Qty vide TMB P-29

(19) for B.T. Portion
407.00 M @ RA 435.44 / M - PA. 299324200
Continuation
13735867 = 00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
			01.6	PA.	13735867200
(b) For PCC Portion					
Qty vide TMB P-30					
130.00 m ²					
@ RA 821.77/m ² - RA					106768200
(19) Providing Planting					
of trees					
Qty vide TMB P-30					
203 No.					
@ RA 815.26/No - RA					165905200
(20) Providing & Laying					
RCC H pipe of 300 mm dia					
Qty vide TMB P-22					

80.00 RM @ RA 882.40/RM - RA					70592200
(21) E/W Excavation for					
foundation of structure -					
261.66 m ³ Qty vide TMB, P-21					
31.32 m ³ Qty vide TMB, P-25					
292.98 m ³					
@ RA 269.32/m ³ - RA					78905200
(22) Providing PCC M15 in					
open foundation -					
45.09 m ³ Qty vide TMB P-21					
5.69 m ³ Qty vide TMB P-25					
50.78 m ³					
@ RA 4898.83/m ³ - RA					248763200
Continuation					14406800200

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
			316	PA.	14406300 = 00

(23) Providing 600 mm dia RCC NPS pipe					
82.50 M Qty vide TMB P-21					
15.00 M Qty vide TMB P-26					
97.5 M					
@ RA 981.61/M - RA.					95707 = 00

(24) Providing RCC M20 in Sub-structure etc.					
268.05 M ³ Qty vide TMB, P-21					
4.28 M ³ Qty vide TMB, P-25					
272.28 M ³					
@ RA 5690.64/M ³ - RA.					1549447 = 00

(25) Providing 8 Laying RCC NPS pipe of 1000 mm dia					
Qty vide TMB, P-22					
22.5 M					
@ RA 3665.84/M - RA.					82481 = 00

(26) Dismantling of Existing Structure etc.					
Qty vide TMB P-20					
242.41 M ³					
@ RA 231.77/M ³ - RA.					56183 = 00

(27) Removing All type Humabla					
Qty vide TMB, P-21					
(a) UP TO 600 MM dia					
67.5 RM					
@ RA 174.78/RM - RA.					11798 = 00
					16202416 = 00

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
			Blf	PA.	16202416200
(b) Above 600 mm to					
900 mm dia					
15 cm @ 236.34/m ²					3545200
(28) Dismantling of existing					
Structure - Cement					
Concrete etc					
Qty vide TMB P-15					
7.83 M ³ @ 484.74/M ³				PA.	3796200
(29) Providing Paving on					
Parapet wall					
Qty vide TMB P-30					

224.16 M ²					
@ 97.19/M ²				PA.	21786200
				PA.	16231543200
Add 12% G.S.T				(+)	1947785200
Add 1% LC				(+)	162315200
				PA.	18341643200
Less 10% below				(-)	1834164200
				PA.	16507479200
Less Amount Payment				(-)	7500000200
					6566089200
Balance				PA.	9941392200
26/7/21					9207479200
J.E. Kataria					
CSP					
27/10/21					
18/1/22					

Continuation