

W.T. Ad. to Banuadih (M. 11.12.84)

Schede XLV - Terna 134

mmusy

for the S.C.

RIHAR P.W.D.

E.E. R.W.D. Wunk Aungmyeabadi. Division

Assistant Engineer. R.W.D. 3rd Division

WOMK Sub-Division - Pskaya

.M. 11.12.84

11072510

mmusy

Agency - Paramakian

Certified that this M.D. contains
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R.W.D. Work Sub-Div. Baran.

On 12.19
Executive Engineer
Rural Works Division, Baran
Works Division, Aurangabad
511152

Schedule KLV - Part No. 124.

E.E. Aurangabad Division.

A.E. Baran Sub-Division.

MEASUREMENT BOOK.

2510

511152

Shi Lal Bahadur Id. A.E. Baran

Date of this entry

Date of this entry

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

5th & 6th B11

Name of work - Construction of
Road from 1st Road to
Baruwadih

Name of Agency - Paramakant
Singh at Mainiobra A-Bad
Head - mmsy

Agreement No - 28 SBD/2019-20

Agreement Rate - 10% below of
B.O.P. Rate

Date of work start - 15-10-19

Date of completion - 14-10-20

Date of payment - 04-02-2021

Date of intree - 04-02-2021

① Prime coat - Providing &
levelling primer coat -

CH-670 to 310m

$$10 \text{ No} \times 30.0 \times 3.75 = 1125.0 \text{ m}^2$$

CH-310 to 370m

$$1 \text{ No} \times 30.0 \times 3.75 = 37.50 \text{ m}^2$$

CH-670 to 840m

$$5 \text{ No} \times 30.0 \times 3.75 = 562.50 \text{ m}^2$$

$$1 \text{ No} \times 20.0 \times 3.75 = 75.0 \text{ m}^2$$

CH-1050 to 1480m

$$14 \text{ No} \times 30.0 \times 3.75 = 1575.0 \text{ m}^2$$

$$1 \text{ No} \times 10.0 \times 3.75 = 37.50 \text{ m}^2$$

Add for extra material

on curve
at T-junction

$$12.0 \times \frac{(6.0 - 3.75) + 0.0}{2} = 13.50 \text{ m}^2$$

Angle - 5

$$12.0 \times 2 \times \frac{(510 - 3.75) + 0.0}{2} = 16.20 \text{ m}^2$$

Continuation

$$\text{Total} = 3442.20 \text{ m}^2$$

Bf = Qty = 3442.20 m²
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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Run T-section					
15.0 x 2 x (6.0 - 3.75) + 0.00					33.75 m ²
Run Y section					
16 x 2 x (5.00 - 3.75) + 0.00					31.20 m ²
					Qty total 3507.15 m ²
					Surf limit Qty = 3480.75 m ²

(2/11) Tack coat - providing and laying tack coat

Qty same as same
 item no (1/10) wide
 TMB R 41 = 3480.75 m²

(2/12) MSS-20 mm thick
 - provide, laying spread
 & Rolling mss

Qty = same as same
 item no (1/10) wide
 TMB R 41 = 3480.75 m²

(4/14) Hand shouldering -
 laying brick soling
 layers on prepared
 subgrade

2 x 12 No x 30.0 x 0.250 = 180.0 m²
 2 x 6 No x 30.0 x 0.250 = 90.0 m²
 Total = 270.0 m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
⑤ 15 Kilometre Stone					
Qty = 2.0 nos.					
⑥ 16 200m Stone					
Qty = 6.0 nos.					
⑦ 16 Providing & Fixing					
Logo of Project -					
mm size logo board					
Qty = 2.0 No.					
⑧ 18 Boundary pillar					
Qty = 32.0 nos.					
⑨ 19 Retro-reflective					
600mm square					
Qty = 17 nos.					
⑩ 20 800 x 600mm rectangle					
Qty = 4.0 Nos.					
⑪ 19 600mm x 450mm rect.					
Qty = 4.0 Nos.					
⑫ 20 Road marking with					
hot applied thermot-					
form. BT Anti-					
Qty both Sides -					
$2 \times 10 \times 30.0 \times 0.100 = 60.0 m^2$					
$2 \times 1 \text{ nos} \times 10.0 \times 0.100 = 2.0 m^2$					
$2 \times 5 \text{ Nos} \times 30.0 \times 0.100 = 30.0 m^2$					
$2 \times 1 \text{ nos} \times 20.0 \times 0.100 = 4.0 m^2$					
$2 \times 14 \text{ Nos} \times 30.0 \times 0.100 = 84.0 m^2$					
$2 \times 1 \text{ nos} \times 10.0 \times 0.100 = 2.0 m^2$					
Continuation					
Total = 192.0 m ²					

$$BF = 4 + 7 = 155.0m^2$$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
2x 14.0m x 30.0 x (1.5+1.0) x 0.2					200.220.0m ³
2x 1.0m x 10.0 x (1.5+1.0) x 0.2					155.0m ³
2x 5.0m x 30.0 x (1.5+1.0) x 0.2					5.0m ³
2x 1.0m x 20.0 x (1.5+1.0) x 0.2					10.0m ³
1.0m hr. 3 (in BT)					
2x 10.0m x 30.0 x (1.25+1.0) x 0.075					50.62m ³
2x 1.0m x 10.0 x (1.25+1.0) x 0.075					1.68m ³
2x 5.0m x 30.0 x (1.25+1.0) x 0.075					25.31m ³
2x 1.0m x 20.0 x (1.25+1.0) x 0.075					33.75m ³
Adjacent of h.s.b (P.C.C)					
2x 12.0m x 30.0 x 0.375 x 0.10					27.0m ³
2x 7.0m x 30.0 x 0.375 x 0.10					15.75m ³
1.0m hr. (C.C. Paving)					
2x 12.0m x 30.0 x 0.375 x 0.075					20.25m ³
2x 7.0m x 30.0 x 0.375 x 0.075					11.81m ³
Total =					610.795m ³

Ramya
04.02.21
JE

07.02.21
Date of receipt
10.02.21

(17)
5+6

Construction of Embank

ment with approved
materials - done

As Per graph up to date.

CH (m)	C/S Area (m ²)	A/S Area (m ²)	L (m)	Volume (m ³)
0.00	6.299			
50.0	6.876	6.588	50	329.375
100.0	4.630	5.753	50	287.650
150.0	4.982	4.806	50	240.300
200.0	5.292	5.117	50	255.850
250.0	6.675	5.964	50	298.175

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
C/S Area		Avg Area	L		Volume
300.0	6.993	6.834	50		341.700
350.0	5.363	6.178	50		308.900
400.0	5.362	6.963	50		343.125
450.0	6.954	7.658	50		382.90
500.0	4.581	5.768	50		288.395
550.0	5.584	5.083	50		254.125
600.0	5.829	5.707	50		285.325
650.0	7.254	6.542	50		227.075
700.0	6.659	6.957	50		347.825
750.0	6.698	6.679	50		333.925
800.0	8.025	7.362	50		368.075
850.0	8.155	8.090	50		404.50
900.0	2.531	5.343	50		267.150
950.0	2.890	2.711	50		135.525
1000.0	3.004	2.947	50		147.350
1050.0	4.232	3.618	50		180.90
1100.0	4.365	4.299	50		214.925
1150.0	3.664	4.115	50		205.725
1200.0	3.785	3.825	50		191.225
1250.0	5.321	4.553	50		227.65
1300.0	4.231	4.776	50		238.80
1350.0	4.812	4.522	50		226.075
1400.0	2.693	3.753	50		187.625
1450.0	3.526	3.110	50		248.760
Total Qty = 7868.910 m ³					

Reduction Qty.

- ① Subgrade = 2459.395 m³
- ② U.S.B = 807.697 m³
- ③ H.B.M. mms = 424.58 m³
- ④ P.C.C Continuation = 348.84 m³

⑤ Hand soring = 285.0 m³ P.T.O

Net qty for Embankment = 3543.408 m³

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

(1/5) Embankment for 100m					
lead qty = 2100.73 m ³					

(2/5) Embankment for 1000m					
lead qty = 1442.678 m ³					

Ranjan
10-02-2021
JB

~~AS~~
6/02/21
AB, Brown

Sch. XLV-Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L	B	D	
<u>ABSTRACT OF COST.</u>					
① <u>Bricklaying & Fixing working bench mark - 10-14</u>					
Qty wide Tmp P-31 = 2.0 Nos.					
① RS = 4162.61 / each = RS = 8325.22					
② <u>Reference pillar</u>					
Qty wide Tmp P-31 = 5.0					
② RS = 1891.02 / each = 9455.10					
③ <u>Clearing & Limbining</u>					
Road Land - 1000					
Qty wide Tmp P-31 = 1040 / Hec					
③ RS = 49739.42 / Hec = RS = 51729.50					
④ <u>Boxcutting - Excavation</u>					
3 for Roadway in Soil.					
using - 1000					
Qty wide Tmp P-31 = 4665 m ³					
④ RS = 82.01 / m ³ = RS = 3826.00					
⑤ <u>Construction of Embank</u>					
-ment with approved materials - 1000					
Qty wide Tmp P-36 = 27.99 m ³					
⑤ RS = 27.98 / m ³ = RS = 783.00					
⑥ <u>Construction of Embank -</u>					
-ment with approved mat -					
for 100m reach - 1000					
Qty wide Tmp P-46 = 2100.73 m ³					
⑥ RS = 132.56 / m ³ = RS = 278473.00					
⑦ RS = 352591.00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					$BF = RS = 352591 = 00$
(7) Construction of Embankment with approved materials.					
					Qty wide + ms P-46 = 1442.678 m ³
					@ RS = 187.23/m ³ = RS = 270,13200
(8) Construction of Subgrade and Further Shoulder					
					Qty wide + ms P-36 = 18418.60 m ³
					Qty wide + ms P-44 = 610.755 m ³
					= 2459.395 m ³
					@ RS = 189.60/m ³ = RS = 466,30100
(9) U.S.R with well graded materials					
					Qty wide + ms P-37 = 807.687 m ³
					@ RS = 2282.35/m ³ = RS = 1843,424200
(10) WBM br-3, Binding and laying, spreading and compaction.					
					Qty wide + ms P-37 = 424.58 m ³
					@ RS = 3658.78/m ³ = RS = 15,53,44500
(11) Prime coat - low Procity.					
					Qty wide + ms P-41 = 3480.28 m ²
					@ RS = 54.83/m ² = RS = 1,90,85000
					(0. RS = 46,76,72400

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					$BF = RS = 46.76724 = \infty$
(12) 11 Road road - Boundary					
Amount of applying, fuel					
Cost - - - - -					
Qty wide Tms P-41 = 3980.75m ²					
@ 18.40/m ² = RS = 64046 = ∞					
(13) 12 MSS-20mmth Type-B'					
Providing, laying, mol					
Selling MSS - - - - -					
Qty wide Tms P-41 = 3980.75m ²					
@ RS = 234.95/m ² = RS = 8,17,802 = a					
(14) 13 P.C.C. 1730 grade					
of corner - - - - -					
Qty wide Tms P-38 =					
= 348.84m ³					
@ RS = 6657.50/m ³ = RS = 23,22,402 = ∞					
(15) 14 Hand shouldering					
Laying, Brick Soling					
layer on - - - - -					
Qty wide Tms P-41 = 286.0m ²					
@ RS = 525.24/m ² = RS = 1,49,693 = ∞					
(16) 15 Kilometre. Stone					
Qty wide Tms P-42 = 2.0					
@ RS = 2199.99/each = RS = 4400 = ∞					
(17) 16 200mm Stone					
Qty wide Tms P-42 = 6.0					
@ RS = 639.85/each = 3839 = ∞					
(18) 17 Providing & Fixing logs					
of masonry work					
Qty wide Tms P-42 = 2.0 no					
Qty wide Tms P-42 = 2.0 no					
Qty wide Tms P-42 = 4.0 no					
@ RS = 80,36,906 = ∞ RS = 33,62,182 = ∞					

Particulars	Details of actual measurement			Contents of area
	No.	Unit	Rate	
Works Division, Aurangabad				
17	1219			
				3038.90
				BF = RS = 3362.182 = 00
				BF = Qty = 4.0 Nos.
				@ RS = 9969.60/each = RS = 39,878 = 00
18				
Boundary Pillar				
Qty wide temp P-42 = 32.0				
@ RS = 525.20/each = RS = 16806 = 00				
20				
Retro-reflective				
19				
600 mm square				
Qty wide temp P-42 = 14.0 Nos.				
@ RS = 4013.10/each = RS = 56183 = 00				
21				
800 mm x 600 mm rectangle				
Qty wide temp P-42 = 4.0 Nos.				
@ RS = 7679.61/each = RS = 30718 = 00				
22				
600 mm x 450 mm rectangle				
Qty wide temp P-42 = 4.0				
@ RS = 5303.17/each = RS = 21213 = 00				
23				
Road marking with				
hot applied thermoplastic				
BT Putting 100 - 14				
Qty wide temp P-42 = 132.00 m ²				
@ RS = 850.93/m ² = RS = 154869 = 00				
24				
Road marking with				
hot applied. 100 - 14				
Qty wide temp P-43 = 14.0 m ²				
@ RS = 953.99/m ² = RS = 108755 = 00				
25				
Planting of Tree				
by the Road side				
Continuation				
Qty wide temp P-43 = 91.0 Nos.				
@ RS = 749.73/each = RS = 68225 = 00				
@ RS = 85,35,538 = 00 RS = 38,58,829 = 00				

(0.12) = 85,35,553.00
51

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					85,35,553.00
					BF = 12 = 3,45,829.00
(26/25) Earth work in excavation for foundation					
Qty wide trans P-35					31.32 m ³
@ RS = 285.71/m ³					RS = 8948.00
(27/25) Providing M15 R.C.C (1:2:5)					
Qty wide trans P-35					5.70 m ³
@ RS = 5250.00/m ³					RS = 29936.00
(28/24) R.C.C M20 in sub-structure					
Qty wide trans P-35					30.39 m ³
@ RS = 6214.64/m ³					RS = 1,88,552.00
(29/25) Providing and laying R.C.C R/P-3 R/P-4					
Qty wide trans P-35					15.0
@ RS = 1105.64/m					RS = 16,585.00
(30/29) Earthwork in trench					
Qty wide trans P-36					59.60 m ³
@ RS = 285.71/m ³					RS = 1,70,28.00
(31/28) Providing M15 (1:2:5) in leveling course					
Qty wide trans P-36					9.20 m ³
@ RS = 5252.0/cm ²					RS = 48,318.00
(32/29) R.C.C M20 in sub-structure					
Qty wide trans P-36					67.46 m ³
@ RS = 6214.64/m ³					RS = 4,19,364.00
					45,87,560.00

Continuation

(0.12) = 92,64,284.00

52
BF = RS = 3264284 = ∞
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
BF = RS = 4597,560 = ∞					
(33/30) Boulding & laying N.P. 3 for culvert 1000 mm φ					
Qty wire mesh P-36 = 15.0 m					
(33) RS = 4190.14 / m = RS = 62852 = ∞					
(34/31) painting on parapet wall.					
Qty wire mesh P-43					
266.24 m ²					
(34) RS = 41.28 / m ² = RS = 2734 = ∞					
(35/32) 300 mm φ (irrigation channel) - Boulding & laying 300 mm H.P.C. (covered)					
Qty wire mesh P-35					
50.10 m					
(35) RS = 983.93 / m = RS = 49196 = ∞					
(36/33) dismantling of existing structure like cement concrete					
Qty wire mesh P-39 = 1.20 m ³					
(36) RS = 474.67 / m ³ = RS = 570 = ∞					
(37/34) dismantling of existing like structure Cement mortar					
Qty wire mesh P-37 = 89.66 m ³					
(37) RS = 228.40 / m ³ = RS = 7916 = ∞					
(38/35) Removing all types of H.P.C. up to 600 mm φ					
Qty wire mesh P-39 = 15.0 m					
(38) RS = 169.97 / m = RS = 2549 = ∞					
Continuation					
(38) RS = 2549 = ∞					
U.T. Total Co RS = 9390,101 = ∞					

Sch. XLV-Form No. 134

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

- Total PS-BF = PS = 9390101 = ₹

less 10% below = 9,39,010 = ₹

= 84,51,091 = ₹

less Previous paid/amt = 50,05,279 = ₹

Underasp-BB Net PS = 34,45,812 = ₹

Ramji

10-02-2021
J.E.

15-02-2021

Asst. Barid

CSP

22/2/21