

N/Scheme: - Pralchand Mulchakye Path Se Alupur
Tale Path ka minman (1-2-850)

Ag no. - 11/MBD/2022-23

Schedule XLV-Form No. 134

N/cont: - A.K.B. rothens

less (0.11.10)

DIVISION

New Maintenance Policy

2110-31/21 - 2110-311

SUB-DIVISION

Package no. - 11/12-N/22-23 Masauru (02)

MEASUREMENT BOOK

1270

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
Name of work:-	Prakhand Mukhaliya				
Path to Airport tak Path ka Nirman	(L = 2.850 km) under 3054 (Bihar				
Rural road maintenance policy 2018)	Package - (M.R. N/22-23 Masaurhi/02)				
Name of Contractor:-	A.K. Brothers				
Agg. No:-	11-MB/D/2022-23				
Date of start:-	01/10/2022				
Intended date of completion	= 30-09-2023				
Accepted rate:-	0.11 % below				

Actual date of completion - 04-03-2023

Record measurement

1) SIFR HYSD bar reinforcement

in Super-structure

At L-1500 m

Top slab - bottom main 16@160cc

$$39 \times 16.72 \times 1.58 = 1030.29$$

Bottom main

$$100 @ 160cc \quad 39 \times 16.72 \times 0.617 = 402.33 \text{ kg}$$

Top 12@160cc

$$= 39 \times 16.72 \times 0.889 = 579.70 \text{ kg}$$

20@ extra over piers

$$= 2 \times 39 \times 3.00 \times 2.469 = 577.75$$

Dist 10@200 cc.

$$2 \times 85 \times 5.92 \times 0.617 = 620.95$$

Continuation

3211.02

kg

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	ABSTRACT OF COST				
① clearing & grubbing road land.					
city vide TMB P/23 item ①					
0.57 hect. @ Rs 58709.27/Ha =					33464 =
② Contn of subgrade L					
earth in shoulder					
city vide TMB P/23 item ① = 1170.00 m ²					
4 in or P/42 item ①				2880 =	
				119880 =	
limited to 1197.00 m ²					
@ Rs 238.07/m ²					284910 =
③ Contn of subgrade L					
401.					
city vide TMB P/23 item ①					
335.25 m ² @ Rs 2027.45/m ² =					679703 =
④ Plv. laying, spreading & Compacting do. in m ²					
city vide TMB P/23 item ①					
292.85 m ² @ Rs 4429.25/m ² =					1297109 =
⑤ Plv. curbs in 401.3 do. in 405.					
city vide TMB P/23 item ①					
484.97 m ² @ Rs 4291.53/m ² =					2081292 =

Continuation

Rs 4376478 =

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
					4376478
⑥ Plastering primer Coat.					
Qty in TMB P/24 item ⑥					
6466.27 m ² @ 55.95/m ²					361852
⑦ Plastering tack Coat on W.B.					
Qty in TMB P/24 item ⑦					
6466.27 m ² @ 18.95/m ²					122536
⑧ Plastering & rolling of 20mm thick m.s.s. - do -					
TS-509					
Qty in TMB P/24 item ⑧					
6595.59 m ² @ 225.92 m ²					1490076
⑨ Plastering tack Coat on RT					
Qty in TMB P/24 item ⑨ = 9377.65 m ²					
" " P/39 item ⑨ = 184.87 m ²					
					9562.52 m ²
Limited to 9562.50 m ²					
@ 15.20/m ²					145350

Continuation

6496292

Particulars	Details of actual measurement				Contents of area (B)
	No.	L.	B.	D.	
					6496232
(10) P.V. & Laying 25 mm thick S.P.C.					
For 1st item (10) = 234.44 m ³					
" " 2nd item (29) = 4.62 m ³					
239.06 m ³					
(11) 11829.97/m ³ = 2828073					
(11) Const of un-reinforced P.C. pavement 11.30 db - 100/150 ft.					
For 1st item (29) = 12.43 m ³					
" " 2nd item (28) = 149.27 m ³					
161.70 m ³					
(12) 7460.34/m ³ = 1206337					
(12) P.V. & Laying ordinary concrete					
For 1st item (29) = 2568.61 m ³					
10274 m ³					
(13) P.V. & Laying 200 m stone					
For 1st item (29) = 729.50 m ³					
8025 m ³					

Continuation

10549007

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					1054301
(14) Placing of retro-reflective cautionary mandatory & informatory sign (600mm equilateral triangle)					
Qty vide Tds P/4, Item (31)					
12 Nos @ 3846.49/each					46158
(15) Placing 600mm Circular					
Qty vide Tds P/4, Item (32)					
08 Nos @ 5203.87/each					41631
(16) Placing 600x450mm rectangular					
Qty vide Tds P/4, Item (33)					
08 Nos @ 5064.92/each					40513
(17) Placing m-15 boundary pillars					
Qty vide Tds P/4, Item (34)					
12 Nos @ 559.26/each					6711
(18) Planting of trees & their maintenance for one year.					
Qty vide Tds P/4, Item (35)					
128 Nos @ 1094.53/each					140100
Continuation					10824120

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				13	10824120
19 Road marking on BT surface					
Qty vide Tms P/41 item 33					
510 m ² @ 13		777.04/m ²			396290
20 Road Marking on PCC surface					
Qty vide Tms P/41 item 34					
60 m ² @ 13		807.82/m ²			484690
21 Muffling Log of maintenance present					
Qty vide Tms P/25 item 12					
02 Nos @ 13		9964.16/each			1992800
22 Etc in excavating for stream					
Qty vide Tms P/13 item 12					
527.20 m ² @ 13		338.37/m ²			1783890
23 Plaster m-15 in foundation					
Qty vide Tms P/25 item 14 = 20.16 m ³					
" " " P/36 item 15 = 1567 "					
Limited to 35.80 m ³					35.83 m ³
@ 13		6124.25/m ³			2192500

Continuation

P/168644620

Particulars	Details of actual measurement				Contents of area B ₃
	No.	L.	B.	D.	
				12	1168644
(24) Plv Pce m-20 (1:2:4) in foundation					
Qty vid-T m ³ P/26 item (15) =					30.24 m ³
" " " P/37 item (16) =					81.60 m ³
					111.84 m ³
@ 4 6575.21 / m ³				23	735371
(25) Plv Pce m-20 m substructure					
Qty vid-T m ³ P/26 item (16) =					126.00 m ³
" " " P/37 item (17) =					69.38 m ³
					195.38 m ³
Limited to 195.36 m ³					
@ 4 684854 / m ³				20	1338012
(26) Plv work hole in brick masonry					
Qty vid-T m ³ P/37 item (18)					
72 nos @ 124.52 / each					8965.44
(27) S/F/P H/S/P bar and Green ment in substructure					
Qty vid-T m ³ P/26 item (17)					
13.56 m ³ @ 78182.55 / m ³					1060155
(28) Back filling behind abutment					
Rtwell					
Qty vid-T m ³ P/37 item (24)					
84.26 m ³ @ 854.04 / m ³					
Limit = 88.92 m ³					
@ 854.04 / m ³					
Continuation					
					7167120
					14900625

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				14	1490062
29) Plv R laying filter material					
Qty vide Tm B P/38 item (23)					
52.44 m ³ @ 14 3236.73/m ³ =					169731
30) Plv Rec m-25 in Superstructure					
Qty vide Tm B P/37 item (19)					
Qty vide Tm B P/37 item (19)					
88.56 m ³ @ 14 7862.71/m ³ =					696322
31) 2/FIP HYSD bar reinforcement in Superstructure					
Qty vide Tm B P/32 item (1)					
7.52 m ³ @ 14 7950.38/m ³ =					597843
32) Concr of R.C.C railing (m ³)					
Qty vide Tm B P/33 item (2)					
67.20 m @ 14 3532.36/m ³ =					237415
33) Plv drainage sput					
Qty vide Tm B P/38 item (2)					
16 Nos @ 14 825.84/each =					132132
34) Plv R laying m/s wearing course					
Qty vide Tm B P/38 item (2)					
13.86 m ³ @ 14 15757.69/m ³ =					218402

Continuation

16833554

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				✓	16833554
35) E/W in excavation da- aer Conf.					
Qty vide TMB P/32 item (1)					
105.03 m ³					
Limited to 105.03 m ³					
② 3383.71 m ³				⇒	355352
36) Sand filling in foundry trenches.					
Qty vide TMB P/33 item (2)					
2024 m ³					
② 539.91 m ³				⇒	10932
37) Placed m/s in Souda					
Qty vide TMB P/32 item (3)					
= 14.76 m ³					
Limited to 14.757 m ³					
② 612.42 m ³				⇒	903762
38) Brick masonry work in c/w (1:4) in Souda					
Qty vide TMB P/33 item (4)					
60.021 m ³					
② 5982.19 m ³				⇒	359057
39) B/W (1:4) in Sub structure.					
Qty vide TMB P/34 item (6)					
Limited to 53.584 m ³					
② 624.651 m ³				⇒	3347132

Continuation

⇒ 17654328

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
				17654328
40 P/V R.C.C. m-20 in Sub-structure.				
Qty vid TMS P/35 item (7)				
2 4.43 m ³				
limited to 4.428 m ³				
24 6348.38/m ³				30327
41 P/V Bitumeny Painting				
Qty vid TMS P/35 item (8)				
1500 ml @ 18.95/m ²				284
42 P/V R.C.C. m-25 in Super-structure.				
Qty vid TMS P/35 item (17)				
8.01 m ³ @ 7862.71/m ³				62980
43 S/F/P 1975 D bar reinforcement in Super-structure.				
Qty vid TMS P/34 item (9)				
1.156 m ² @ 79500.38/m ²				91902
44 P/V Filling joint filling Compound				
Qty vid TMS P/35 item (18)				
15.00 m @ 48.13/m				722
45 Brick masonry work (1:3) in parapet.				
Qty vid TMS P/35 item (21)				
4.32 m ³ @ 6197.37/m ³				26773
Continuation				1786731620

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					17867314
46) Plastering 15 mm thick with c.m (114)					
Qty in sq m p/36 item (12)					
= 104.02 m ²					
Limited to 104.02 m ²					
	167.63				17434
47) Plv 15 mm cement punning					
Qty in sq m p/36 item (14)					
29.76 m ² @ 51.06/m ²					1520
48) Plv weep hole in gutter masonry					
Qty in sq m p/36 item (15)					
32 Nos @ 124.52/m ²					3785
					17890255
Labour cost 1%					1789036
GST 12%					2146831
Signposting fee (Updated)					1070555
					21286544
Less 0.11% for labour rate					223415
					21263129
Less previous payment vide P/27					13730289
					7472840
					21263129
					13730289
					7472998

Continuation

Balance

Allof 7472998

Received
Attachment
Bounded
J. P. S. S.
J. P. S. S.

Signature
SE

04/03/23
AE
CEP

07.03.23

[illegible]

Continuation

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
	26	15	8.12 (1' 2")	14.757	2024	1197.00
	31	15	8.12 (1' 2")	6.021	1197.00	1392.60
	38	15	8.12 (1' 2")	53.58	272.09	24.23
	40	15	8.12 (1' 2")	4.428	11.81	10349
	42	15	8.12 (1' 2")	8.41	7.08	279.45
	44	15	8.12 (1' 2")	4.32	15.13	5496
	46	15	8.12 (1' 2")	104.00	13.50	3.03
	48	15	8.12 (1' 2")	4.32	1.99	40.12
	50	15	8.12 (1' 2")	1197.00	62.03	38.961
	52	15	8.12 (1' 2")	1392.60	2.62	2.690
	54	15	8.12 (1' 2")	24.23	1.09	1.60
	56	15	8.12 (1' 2")	272.09	5.496	2.160
	58	15	8.12 (1' 2")	24.23	3.03	1.60
	60	15	8.12 (1' 2")	24.23	4.012	1.60
	62	15	8.12 (1' 2")	24.23	62.03	1.60
	64	15	8.12 (1' 2")	24.23	62.03	1.60
	66	15	8.12 (1' 2")	24.23	62.03	1.60
	68	15	8.12 (1' 2")	24.23	62.03	1.60
	70	15	8.12 (1' 2")	24.23	62.03	1.60
	72	15	8.12 (1' 2")	24.23	62.03	1.60
	74	15	8.12 (1' 2")	24.23	62.03	1.60
	76	15	8.12 (1' 2")	24.23	62.03	1.60
	78	15	8.12 (1' 2")	24.23	62.03	1.60
	80	15	8.12 (1' 2")	24.23	62.03	1.60
	82	15	8.12 (1' 2")	24.23	62.03	1.60
	84	15	8.12 (1' 2")	24.23	62.03	1.60
	86	15	8.12 (1' 2")	24.23	62.03	1.60
	88	15	8.12 (1' 2")	24.23	62.03	1.60
	90	15	8.12 (1' 2")	24.23	62.03	1.60
	92	15	8.12 (1' 2")	24.23	62.03	1.60
	94	15	8.12 (1' 2")	24.23	62.03	1.60
	96	15	8.12 (1' 2")	24.23	62.03	1.60
	98	15	8.12 (1' 2")	24.23	62.03	1.60
	100	15	8.12 (1' 2")	24.23	62.03	1.60
	102	15	8.12 (1' 2")	24.23	62.03	1.60
	104	15	8.12 (1' 2")	24.23	62.03	1.60
	106	15	8.12 (1' 2")	24.23	62.03	1.60
	108	15	8.12 (1' 2")	24.23	62.03	1.60
	110	15	8.12 (1' 2")	24.23	62.03	1.60
	112	15	8.12 (1' 2")	24.23	62.03	1.60
	114	15	8.12 (1' 2")	24.23	62.03	1.60
	116	15	8.12 (1' 2")	24.23	62.03	1.60
	118	15	8.12 (1' 2")	24.23	62.03	1.60
	120	15	8.12 (1' 2")	24.23	62.03	1.60
	122	15	8.12 (1' 2")	24.23	62.03	1.60
	124	15	8.12 (1' 2")	24.23	62.03	1.60
	126	15	8.12 (1' 2")	24.23	62.03	1.60
	128	15	8.12 (1' 2")	24.23	62.03	1.60
	130	15	8.12 (1' 2")	24.23	62.03	1.60
	132	15	8.12 (1' 2")	24.23	62.03	1.60
	134	15	8.12 (1' 2")	24.23	62.03	1.60
	136	15	8.12 (1' 2")	24.23	62.03	1.60
	138	15	8.12 (1' 2")	24.23	62.03	1.60
	140	15	8.12 (1' 2")	24.23	62.03	1.60
	142	15	8.12 (1' 2")	24.23	62.03	1.60
	144	15	8.12 (1' 2")	24.23	62.03	1.60
	146	15	8.12 (1' 2")	24.23	62.03	1.60
	148	15	8.12 (1' 2")	24.23	62.03	1.60
	150	15	8.12 (1' 2")	24.23	62.03	1.60
	152	15	8.12 (1' 2")	24.23	62.03	1.60
	154	15	8.12 (1' 2")	24.23	62.03	1.60
	156	15	8.12 (1' 2")	24.23	62.03	1.60
	158	15	8.12 (1' 2")	24.23	62.03	1.60
	160	15	8.12 (1' 2")	24.23	62.03	1.60
	162	15	8.12 (1' 2")	24.23	62.03	1.60
	164	15	8.12 (1' 2")	24.23	62.03	1.60
	166	15	8.12 (1' 2")	24.23	62.03	1.60
	168	15	8.12 (1' 2")	24.23	62.03	1.60
	170	15	8.12 (1' 2")	24.23	62.03	1.60
	172	15	8.12 (1' 2")	24.23	62.03	1.60
	174	15	8.12 (1' 2")	24.23	62.03	1.60
	176	15	8.12 (1' 2")	24.23	62.03	1.60
	178	15	8.12 (1' 2")	24.23	62.03	1.60
	180	15	8.12 (1' 2")	24.23	62.03	1.60
	182	15	8.12 (1' 2")	24.23	62.03	1.60
	184	15	8.12 (1' 2")	24.23	62.03	1.60
	186	15	8.12 (1' 2")	24.23	62.03	1.60
	188	15	8.12 (1' 2")	24.23	62.03	1.60
	190	15	8.12 (1' 2")	24.23	62.03	1.60
	192	15	8.12 (1' 2")	24.23	62.03	1.60
	194	15	8.12 (1' 2")	24.23	62.03	1.60
	196	15	8.12 (1' 2")	24.23	62.03	1.60
	198	15	8.12 (1' 2")	24.23	62.03	1.60
	200	15	8.12 (1' 2")	24.23	62.03	1.60

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	<u>Memo of Payment</u>				
Cut					7472840 = 00
S/D		Sf			373642
Planting price (S/D)					98070
I/f		2-f			149457
Y/C		1-f			74728
S-h-S-T		1-f			74728
C-h-S-T		1-f			74728
Royalty					46739
S/F					117720
					<u>Total = 1009812</u>
					<u>By cheque = 6463028</u>
					<u>Total = 7472840</u>

Passal for Rs = 7472840 = 00
 (Seventy four Lac seventy two thousand eight hundred forty)

10/3/23

10/3/23

Executive Engineer
 R.W.D. Works Div. Masaurhi

Ref - 20230312/15963

dt - 13/03/23