

(1)

Haramba to Kakan chaur rd.

Length - 2.30 km

Schedule XLV-Form No. 134

Mutation - (1)

Head - MK-3054

R.W.D (w) Jamai

DIVISION

Laxmi pur.

SUB-DIVISION

MEASUREMENT BOOK

MB No - 2798

Ag. no 10 CMBD/2013-21
Sri Rajeev Kumar
Rajeev Kumar

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Road:-	Hiranbha to Kakancharb				
Rtg No:-	MR-N/19-20/Jam 01/30				
Agency :-	Rajeev Kumar				
K-125	P.C Colony Hanuman Nagar				
	Kankar Bag Patna				
Ag No:-	10/ MBD/ 2020-21				
Date of Commencement	05-9-2020				
Date of Completion	24.6.2021				
Constn cost Rs	6298718 = W				
Maint cost Rs	2176039 = W				
	Rs 8474757 = W				
Date of Measurement	7-7-21				
Date of Entry:-					
1. clearing & Grubbing RD land					
2x13x30.0x0.65 =	507.0 M ²				
2x1x10.0x0.65 =	13.0 M ²				
2x10x30.0x1.0 =	600.0 M ²				
2x23x30.0x1.0 =	1380.0 M ²				
2x1x10.0x1.0 =	20.0 M ²				
2x16x30.0x1.10 =	1056.00 M ²				
2x1x20.0x1.10 =	44.00 M ²				
2x6x30.0x1.25 =	450.0 M ²				
2x1x20.0x1.25 =	50.0 M ²				
2x6x30.0x1.20 =	432.0 M ²				
2x1x30.0x1.20 =	48.0 M ²				
	4600.0 M ²				
or 0.46 Hec	Continuation				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2. Constn of Sub-grade Earthwork					
Shoulder					
$2 \times 12 \times 30.0 \times 0.65 \times 0.30 =$					152.10 m^3
$2 \times 1 \times 10.0 \times 0.65 \times 0.30 =$					3.90 m^3
$2 \times 10 \times 30.0 \times 1.0 \times 0.30 =$					180.00 m^3
$2 \times 23 \times 30.0 \times 1.0 \times 0.30 =$					414.00 m^3
$2 \times 1 \times 10.0 \times 1.0 \times 0.30 =$					6.00 m^3
$2 \times 16 \times 30.0 \times 1.10 \times 0.30 =$					316.80 m^3
$2 \times 1 \times 20.0 \times 1.10 \times 0.30 =$					13.20 m^3
$2 \times 6 \times 30.0 \times 1.25 \times 0.30 =$					135.00 m^3
$2 \times 1 \times 20.0 \times 1.25 \times 0.30 =$					15.00 m^3
$2 \times 6.0 \times 30.0 \times 1.20 \times 0.30 =$					129.60 m^3
$2 \times 1 \times 20.0 \times 1.20 \times 0.30 =$					14.40 m^3

1380.00 m³

3. Constn of GTSB 95 ii					
$18 \times 6.20 \times 1.25 =$					139.50 m^2
$19 \times 9.80 \times 1.50 =$					279.30 m^2
$21 \times 7.80 \times 1.90 =$					311.22 m^2
$12 \times 5.10 \times 1.80 =$					110.16 m^2
$12 \times 3.60 \times 2.10 =$					90.72 m^2
$2 \times 1.80 \times 0.90 =$					3.24 m^2
					934.14 m^2
$934 = 934.14 \text{ m}^2 \times 0.175 =$					163.474 m^3

4. Constn of WBM 95 ii					
$18 \times 6.20 \times 1.25 =$					139.50 m^2
$19 \times 9.80 \times 1.50 =$					279.30 m^2
$21 \times 7.80 \times 1.90 =$					311.22 m^2
$12 \times 5.10 \times 1.80 =$					110.16 m^2
$12 \times 3.60 \times 2.10 =$					90.72 m^2
$2 \times 1.80 \times 0.90 =$					3.24 m^2

Continuation

934.14 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					101.84 934.14 M ²
13 x 8	10 x 1.60		168.48 M ²		
11 x 10	10 x 1.90		211.09 M ²		
14 x 6	80 x 1.60		152.32 M ²		
12 x 6	60 x 1.30		102.96 M ²		
2 x 0.85	x 0.30		0.51 M ²		
			1569.50 M ²		
Qty = 569.50 x 0.075 = 117.71 M ³					
5					
Constn of WBM 8:1:1					
Div Japing Spreading & Compacting					
Stone Aggregate of Specified					
size to WBM 8:1:1					
18 x	6.20 x 1.25		139.50 M ²		
19 x	9.80 x 1.50		279.30 M ²		
21 x	7.80 x 1.90		311.22 M ²		
12 x	5.10 x 1.80		110.16 M ²		
12 x	3.60 x 2.10		90.72 M ²		
2 x	1.80 x 0.90		3.24 M ²		
13 x	8.10 x 1.60		168.48 M ²		
11 x	10.10 x 1.90		211.09 M ²		
14 x	6.80 x 1.60		152.32 M ²		
12 x	6.60 x 1.30		102.96 M ²		
2 x	0.85 x 0.30		0.51 M ²		
15 x	12.60 x 2.10		396.90 M ²		
12 x	14.10 x 2.30		389.16 M ²		
9 x	6.60 x 1.85		109.89 M ²		
3 x	0.30 x 0.30		0.27 M ²		
2465.72 M ²					
Qty 2465.72 x 0.075 = 184.929 M ³					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6 Prime coat (RS-1)					
6 providing & applying Primer coat with bitumen Emulsion (RS-1) on prepared Surface					
Qty vide Page 11 3 item No 5 in T.M.B					
					2465.72 M ²
7					
8 providing applying Tack coat with bitumen Emulsion (RS-1) on Prepared Surface					
Qty vide Page 4 in T.M.B					
					2465.72 M ²
8 Patch works over WBM					
7 using OT.S.S (Type B) Waste Material					
Qty vide item No 7 in T.M.B					
					2465.72 M ²
9 Tack-coat (RS-1)					
8 providing & applying Tack (RS-1) on prepared Surface					
10 x 30.0 x 3.75 = 1125.00 M ²					
9 x 3.75 + 5 + 3.75 = 37.50 M ²					
11 x 3.75 + 4.2 + 3.75 = 42.90 M ²					
10 x 3.75 + 3.9 + 3.75 = 38.60 M ²					
					1243.40 M ²

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					5897.70
					131F 8+4 = 5897.24 M ²
10 x 30.01	3.75	2			1125.45 M ²
17 x 3.75 + 5.5 + 3.75	3				73.66 M ²
13 x 3.75 + 5.2 + 3.75	3				55.03 M ²
5 x 30 x 3.75					562.50 M ²
19 x 3.75 + 4.75 + 3.75	3				74.41 M ²
11 x 3.75 + 4.30 + 3.75	3				43.27
					44.62 M ²
5 x 30.01	3.75	2			562.50 M ²
16 x 3.75 + 4.5 + 3.75	3				64.40 M ²
14 x 3.75 + 4.80 + 3.75	3				57.40 M ²
10 x 30.0 x 3.75	2				112.50 M ²
10 x 3.75 + 5.5 + 3.75	3				43.33 M ²
10 x 3.75 + 4.5 + 3.75	3				39.00 M ²
					8710.30
					8710.57 M ²
10/9 P.V.2 laup'ng S.D.B.C using					
crushed Aggregate - As specified					
grading mixed with bituminous					
binder @ 4.5 to 5% mix					
844 wide item NO 9 in T.H.B					
					8710.30
					217.76
					8710.57 x 0.025 = 217.764 M ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10 x 30.2 x 3.75	131	30.2	3.75	2	5897.24 M²
17 x 3.75 + 5.5 + 3.75	3	3.75	5.5	3.75	1125.12 M²
13 x 3.75 + 5.2 + 3.75	3	3.75	5.2	3.75	73.66 M²
5 x 30.2 x 3.75	3	30.2	3.75	2	55.03 M²
19 x 3.75 + 4.25 + 3.75	3	3.75	4.25	3.75	562.50 M²
11 x 3.75 + 4.30 + 3.75	3	3.75	4.30	3.75	74.41 M²
11 x 3.75 + 4.30 + 3.75	3	3.75	4.30	3.75	44.20 M²
11 KM stone	13	4	10		
12 200 M stone	14	9	10		
13 Attraction & place identification	15				
15 Retro / reflectorised sign board		4	1.25	0.80	4.00 M ²
Unilateral		40	3.84		153.60 M ²
14 Geometric equilateral triangle	17		2.8	1.5	
15 600 mm circular	18		8	11	
16 600 mm x 400 mm rectangular	19		6	11.5	
17 900 mm side octagon	20		4	11.5	
18 Rise 1:15 grade boundary pillar	21		8	11.5	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
19 planting 16 Trees by the					
23 Road side					
	440 No		115 N.B		
20 Road Marking with hot-					
24 applied Thermoplastic Comp.					
2x10 x 30.0 x 0.100					2 60.00 M ²
2x10 x 30.0 x 0.1W					2 60.00 M ²
2x10 x 30.0 x 0.1W					2 60.00 M ²
2x10 x 30.0 x 0.1W					2 60.00 M ²
2x10 x 30.0 x 0.1W					2 60.00 M ²
2x10 x 30.0 x 0.1W					2 60.00 M ²
2x10 x 30.0 x 0.1W					2 60.00 M ²
2x10 x 30.0 x 0.1W					2 60.00 M ²
2x6 x 30.0 x 0.100					2 36.00 M ²
2x1 x 20.0 x 0.1W					2 4.00 M ²
Pedestrian crossing					
4x6.0 x 0.5 x 2.2					24.00 M ²
					184.00 M ²
21 P.V. & fixing 16 Typical					
25 M.M.G.S. Informal sign					
board with 'Logo'					
	4 No.				
22 R.C.C. Culvert 1x1 M					
23 Brick Masonry 1:3					
2x4.60 x 0.40 x 0.60					2 2.208 M ³
2x 2.208 M ³					2 4.416 M ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>23</u> plastering with c.m (1:1:4)					
32 Side Face - $4 \times 4.60 \times 0.60 =$					11.040 M ²
Top - $2 \times 4.60 \times 0.40 =$					3.680 M ²
Front Face - $4 \times 0.4 \times 0.60 =$					0.960 M ²
					15.68 M ²
2 Nos x 15.68 =					31.36 M ²
<u>24</u>					
<u>33</u> painting two coats on Panel-					
S. Face $4 \times 4.60 \times 0.60 =$					9.60 M ²
Top - $2 \times 0.4 \times 4.60 =$					3.68 M ²
Front Face $4 \times 0.4 \times 0.60 =$					0.96 M ²
					14.24 M ²
$2 \times 14.24 M^2 =$					28.48 M ²
<u>25</u> Brick Masonry in c.m (1:1:3)					
<u>27</u> $2 \times 4.70 \times 0.40 \times 0.60 =$					2.256 M ³
8 Nos x 2.256 M ³ =					18.048 M ³
<u>26</u>					
<u>28</u> Plastering with c.m (1:1:4)					
on brick work in gully					
Structure					
S. Face $4 \times 4.70 \times 0.60 =$					11.28 M ²
Top - $2 \times 4.70 \times 0.40 =$					3.76 M ²
Front Face $4 \times 0.40 \times 0.60 =$					0.96 M ²
					16.00 M ²
8 Nos x 16.00 =					128.00 M ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
27 Painting Two coats					
29 including primer coats					
after filling the surface					
with synthetic enamel paint					
Side face	4	4.10	0.60	9.60 M ²	
Top	2	6.00	4.70	37.6 M ²	
Front face	4	0.40	0.60	0.96 M ²	
				148.36 M ²	
8.45 x 14.32 M				114.56 M	
8 x 4				385.28 M	
	7.21				
JE					

ABSTRACTS OF COST.					
(181 Bill)					
1 clearing & grubbing 20. Land					
Quide Paper No 1 in P.M.B					
0.46 Hae CB 511332	76	Hae R	235222		
2 Constn of Sub-grade & Shoulder					
Quide Paper No 2 in P.M.B					
1380.12 M ² @ 187.61/M ²			B	2589022	
3 Constn of G.S.B 8812					
Quide Paper No 3 in P.M.B					
163.474 M ³					
CB 1666262/M ³			B	27244922	
			B	55487322	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{4}{4}$ Constn of WBM ss 12					
Qty vide Page No 3 in TMB					
		117.71 M ³			
QB 2779286/M ³				B 32	721725
$\frac{5}{5}$ Constn of WBM ss 12					
Qty vide Page No 3 in TMB					
		184.929 M ³			
QB 2585248/M ³				B	478130
$\frac{6}{6}$ Prime Coat (C-1)					
Qty vide Page No 4 in TMB					
		2465.72 M ²			
QB 44288/M ²				B	1106612
$\frac{7}{8}$ Tack Coat (R-1)					
Qty vide Page No 4 in TMB					2465.72 M ²
Qty vide Page No in TMB					8710.30
					8710.57 M ²
					11176.02 M ²
					11176.29 M ²
QB 15228/M ²				B	17054600
					1765502
$\frac{8}{7}$ Patch work over WBM					
using M.S.S do do					
as complete job					
Qty vide Page No 4 in					
No 8 in TMB					
		2465.72 M ²			
QB 214268/M ²				B	52934024
					217076700
				Total B	2170771240

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		131P3	47.17.85		33.50
14 600 mm circular					
18 Boundary Paper No 7 in P.H.B		8MS			
		@B 3595.33 each		B	28763.2
15 600 mm x 450 mm Rectangular					
19 Boundary Paper No 7 in P.H.B		6MS			
		@B 3466.21 each		B	20797.2
16 900 mm side Octagon					
20 Boundary Paper No 7 in P.H.B		4MS			
		@B 7459.20 each		B	29836.4
17 R.C.C. M-15 grade					
21 Boundary Pillar					
Boundary Paper No 7 in P.H.B		88MS			
		@B 4612.10 each		B	40576.2
18 Plank & P. Trees by the					
23 Road Side					
Boundary Paper No 8 in P.H.B		115MS			
		@B 8192.92 each		B	4291.2
19 Road Marking with hot applied					
Thermoplastic Compound					
Boundary Paper No 8 in P.H.B					
484.5 M ² @B 735.44/M ²				B	35595.2
					Rs 52,88,000.00
					Rs 52,88,048.20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				52,88,000	
				52,88,048	
20	Div 2 Wiring in Typical				
25	MM 637 intermediary wire				
	Board with Logo				
	Qty vide Page No 8 in P.M.B				
		4MS			
	QD 9166220 cal				B 36665
21	Brick Masonry in C.M (1:1:3)				
31	Qty vide Page No 8 in P.M.B				
		4.416 M ³			
	Q.B 5746252/M ³				B 25,377
22	Plaster of wall C.M (1:1:4)				
32	Qty vide Page No 9 in P.M.B				
		31.36 M ²			
	Q.B 144246/M ²				B 45302
23	Painting two coats				
33	Qty vide Page No 9 in P.M.B				
		28.48 M ²			
	Q.B 97219/M ²				B 27682
24	Brick Masonry in C.M (1:1:3)				
27	Qty vide Page No 9 in P.M.B				
		18.048 M ³			
	Q.B 5746252/M ³				B 1037132
25	Plaster of wall C.M (1:1:4)				
28	Qty vide Page No 9 in P.M.B				
		128.10 M ²			
	Q.B 144246/M ²				B 1849120
Total					54,79,592

Sch. XLV-Form No. 134

Raj. 6/17

S. Free

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Local Sand	10. F. 4	75.75	83.69		11,897 m
CB 116	285	1 m ³	62.77		9781
WBM 98	117	71 m ³			
S. Metal - 142.42	9 m ³		21.36		6092
CB 427	69	1 m ³			
Stone Screening	31.31	1 m ³	46.97		10821
CB 345	252	1 m ³			
Binding Material	9.41	1 m ³	112		124
WBM 98	117	131.28	929		
S. Metal - 123.76	4 m ³		39.56		10,253
CB 458	222	1 m ³			
Stone Screening	44	382	43		1535
CB 345	52	1 m ³			
Prime Coat (SS-1)	2.09	5 m ³			
Tack Coat (SS-1)	3.07	3 m ³			
M.S.S (S-20)	4.68	4.30	8 m ³	4.310	m ³
Stone Crushed Aggregate	66.57	1 m ³			
CB 470	204	1 m ³	9986		3129
S.D.B.C.	26.13	1 m ³			
Stone chips	311.40	2 m ³	46.71		16,471
CB 528	294	1 m ³			
Bricks	1123	2 1/5	505		5886
C. Sand	23.58	7 m ³	1769		356
CB 150	280	1 m ³	2086		5780
Disposal (1/12/11)	51	83.50			23,100
NE	1.51	99			3470

Continuation

Station (D) 1st mile from H 25,19,200 m
 Ch. 5054 Road, 17/12/21

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
25,19,200 m	1%	Proportional			
50,384 m	2%	Inst. TDS			
125,960 m	5%	S.D			
25,19,200 m	1%	Laboratory			
25,19,200 m	10%	Est. Time			
83,500 m		Royalty			
23,100 m		S. Fee			
19,33,952 m		by cheque			
25,19,200 m		Total			
Paid Rs 25,19,200 m					
Rupees Twenty five Lakh nineteen thousand					
two hundred only.					
und 28/8/21					
No. 60 dt 28.8.21					
E-payment					
Token N. - PNB 20210825631					
Date - 28/8/21					
Amount - 19,33,952/-					
(Rs. Nineteen lakh thirty three thousand					
Nine hundred fifty two only.					
und 28/8/21					
EXECUTIVE ENGINEER					
R.R.D. (S. DIVISION)					
28/8/21					

Continuation

ABSTRACTS

18

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Road:-	Hozamba to Kakanchow				
PKG No-	MR-X/19-20	Jampi		30	
Agency	Rajeev Kumar				
K125	Kankarbagi Hanuman Nagar				
Kankarbagi	Patna				
Ag No:-	10 (MAD)	20-24			
Date of Commencement	05-09-2020				
Date of Completion	04-06-2021				
Constn Cost	B	62	987	1826	
Maint cost	1B	21	760	3920	
	B	847	475	720	
Date of entry	22-10-21				
Further measured	NIL				
1. clearing & grubbing RD land					
Rtly side Page No 10 in P.H.B					
0.46 Hec CB 51133	76/H	B		23522	
2. Constn of sub-grade & shoulder					
Rtly side Page No 10 in P.H.B					
1380.10 M ³ CB 187261	M ³	B		258902	
3. Constn of GSB g.s II					
Rtly side Page No 10 in P.H.B					
163.474 M ³					
CB 1666262	M ³	B		272449	
4. Constn of W.M g.s II					
Rtly side Page No 10 in P.H.B					
117.71 M ³					
CB 2779286	M ³	B		327217	
	B 88209026				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.P.B	882	090	✓
5 Constn of W.B.H. 45		11			
Qty wide Page No 11 in T.H.B					
		184.929 M ³			
CB 2585 = 48/M ³				B	478130 ✓
6 Prime Coat (SS-1)					
Qty wide Page No 11 in T.H.B					
		2465.72 M ²			
CB 442 88/M ²				B	110661 ✓
7 Tack Coat (RS-1)					
Qty wide Page No 11 in T.H.B					
		11176.02 M ²			
CB 15276/M ²				B	170546 ✓
8 M.S.S (S-90)					
Qty wide Page No 11 in T.H.B					
		2465.72 M ²			
CB 214268/M ²				B	529340 ✓
9 S.P.B.C					
Qty wide Page No 12 in T.H.B					
		21776 M ³			
CB 10974 = 65/M ³				B	2389840 ✓
10 K.M stone					
13 Qty wide Page No 12 in T.H.B					
		4215			
CB 1925 = 04 each				B	7700 ✓
11 200 M stone					
14 9M-5 @ 542 = 20 each				B	4880 ✓

Total B 4573187 ✓
Continuation , ,

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		21 FB	45	73	8720
12 Direction & place identification					
15 Sign Board					
		Qty vide page No 12 in P.H.B			
		3.84 M ²			
		QB 12143 = 94 M ²			B 46632
13 600 mm equilateral triangle					
17		Qty vide page No 20 in P.H.B			
		28 M ²			
		QB 3498 = 279 each			B 97966
14 600 mm circular					
18		Qty vide page No 13 in P.H.B			
		8 M ²			
		QB 3595 = 33 each			B 38763
15 600 mm x 450 mm rectangular					
19		Qty vide page No 13 in P.H.B			
		6 M ²			
		QB 3466 = 21 each			B 20797
16 900 mm side octagon					
20		Qty vide page 13 in T.H.B			
		4 M ²			
		QB 7459 = 24 each			B 29836
17 Boundary Pillar					
21		88 M ²			
		QB 461 = 10 each			B 40576
18 planting of Trees by the side					
23		Qty vide page No 13 in P.H.B			
		115 M ² @ 819.92 each			B 94291
					B 4932048

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B/F	493	048	1
$\frac{19}{24}$ Road Marking with hot applied Thermoplastic Compound					
Qty vide Page No. 13 in P.M.B					
		484	M ²		
@ B 735 = 44/M ²					B 355952
$\frac{20}{25}$ DIV 2 Fixing of Typical MMBSSY informatory sign board with Logo					
Qty vide Page No. 14 in P.M.B					
		4	M ²		
@ B 9166.20 each					B 366652
$\frac{21}{31}$ P.M in C.M (1:3)					
Qty vide Page No. 14 in P.M.B					
		4.416	M ³		
@ B 5746.52/M ³					B 253772
$\frac{22}{32}$ Plastering with C.M (1:4)					
Qty vide Page No. 14 in P.M.B					
		31.36	M ²		
@ B 144246/M ²					B 45301
$\frac{23}{33}$ Painting two coats					
Qty vide Page No. 14 in P.M.B					
		28.48	M ²		
@ B 97219/M ²					B 27682
		Total			B 5357340

Continuation

Sch. XLV-Form No. 134

Continuation

Continuation