

NAHAR
Nagmod work. Benar sarakshachari pathy to ~~19113651~~ 19113651

Block. Mining

New Maintenance Policy - 2018

Measurement Book

Schedule XLV-Form No. 134

19113651/15

DIVISION

19113651/15

SUB-DIVISION

* Kumar Piyush Construction. 3129

1

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 measurements relating to each work).

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
	From Aic hill					
	Name of work - construction of Road					
	from Benar Sakshara path to					
	Nanakur in MIR (3044) in Binal					
	Block					
	Agency - Kumar Piyush construction					
	Pvt. LTD AT Bichali Khandapur					
	Agreement No. M.R.D- 10/2022-23					
	Ref. 16.16. below of RD					

date of start					03-03-23
date of completion					02-12-2023
(1) clear scrubbing & Road					
land in cu					
2x	20x30.0Mx	1.0M	1260.0M ²		
2x	20x30.0Mx	1.0M	1260.0M ²		
2x	10x30.0Mx	1.0M	660.0M ²		
2x	2x30.0Mx	1.0M	120.0M ²		
Total					3120.0M ²
or =					0.312 Hect
(2) scanning the Butamirend					
surface in cu					
4x	20x3.75M	=	300.0M ²		
1x	10x3.75M	=	37.5M ²		
1x	6x3.75M	=	22.5M ²		
Continuation					Total 360.0M ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ provides 4.3.5 units					
well graded material					
spread in uniform					
layers in one compact					
pot measurement					
339x	0.30x	0.30x	0.14x	3.051m ³	
40x	0.90x	0.40x	0.13x	1.872m ³	
60x	1.05x	1.10x	0.14x	9.787m ³	
62x	1.20x	1.10x	0.14x	11.45m ³	
70x	1.10x	1.90x	0.13x	19.01m ³	
31x	1.050x	0.70x	0.14x	3.190m ³	
24x	1.20x	0.90x	0.14x	3.528m ³	
20x	1.5x	0.90x	0.13x	3.51m ³	
26x	1.90x	1.5x	0.14x	10.33m ³	
60x	1.80x	1.90x	0.14x	28.72m ³	
59x	1.05x	1.10x	0.14x	9.54m ³	
				total = 103.94m ³	
				SLC	
				19/4/20	
				20	
④ provides 4.3.4 stone					
metl on 2 in all					
with screen material					
pot measurement					
363x	0.320x	0.320x	0.075x	2.788m ³	
91x	0.320x	0.470x	0.075x	1.026m ³	
40x	1.50x	1.90x	0.075x	8.55m ³	
70x	1.90x	2.10x	0.075x	20.44m ³	
				total = 33.31m ³	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					33.31
26x	1.80x	1.90x	0.075x		6.66
62x	1.95x	2.00x	0.075x		18.18
52x	2.10x	1.90x	0.075x		15.56
20x	1.75x	1.80x	0.075x		4.73
50x	1.80x	1.90x	0.075x		12.82
					Total = 91.20

(5)

providing w.d.m. stone

metal on 3 walls

screening material

with hand packing

Rolls on As p-2

Technical Specification

1/2 cu w.d.m. stone

per measurement

48x	0.32x	0.32x	0.075x		3.24
60x	1.10x	0.90x	0.075x		4.45
58x	1.90x	2.00x	0.075x		16.33
70x	1.95x	2.00x	0.075x		20.47
36x	2.10x	2.00x	0.075x		11.34
38x	2.50x	1.90x	0.075x		13.53
60x	2.10x	1.85x	0.075x		17.48
72x	1.95x	1.90x	0.075x		20.01
63x	1.5x	2.00x	0.075x		14.12
240x	1.90x	1.95x	0.075x		5.55
68x	1.80x	1.75x	0.075x		16.06
80x	1.78x	2.10x	0.075x		22.42

Total = 165.24

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				15.12	165.3412
64x	2.10x	1.90x	0.03x		19.15x12
71x	1.98x	1.85x	0.03x		19.50x12
82x	1.50x	0.90x	0.03x		8.30x12
78x	1.70x	1.90x	0.03x		18.87x12
60x	1.90x	1.80x	0.03x		15.39x12
38x	2.50x	1.90x	0.03x		13.53
58x	1.10x	0.90x	0.03x		4.30
64x	2.10x	1.90x	0.03x		19.15x12
70x	1.98x	1.85x	0.03x		19.28x12
80x	1.80x	1.60x	0.03x		11.28x12
58x	1.10x	0.90x	0.03x		4.30x12
				Total	320.46x12

(6)	provision appx price			264.80	320.46x12
	cost with sub item				
	conversion (SS) in cu				
quantity	same as (5)			0.03x12 = 42.2288	3530.66
Add ch	(2)				351.00x12
				Total	4625.88x12
					3881.66
				Final	3745.81x12
(7)	provision appx price				
	cost with sub item				
	conversion (123) Area				
Same as	(6)				3745.81x12
				Total	1214.23

Continuation

20/4/23
 20/4/23
 20/4/23

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) provide & apply tack coat with bitumen emulsion (RS) in					
	10x	30x	3.75	=	1125.0 m ²
	10x	30x	3.75	M	1125.0 m ²
	10x	30x	3.75	M	1125.0 m ²
	10x	30.0m	3.75	M	1125.0 m ²
	10x	30.0m	3.75	M	1125.0 m ²
	1x	10.0m	3.75 + 4.80	=	42.75 m ²
	1x	10x	4.80 + 3.75	=	42.90 m ²
	1x	10.0m	3.75	M	37.50 m ²
	1x	18.0m	3.75	M	67.50 m ²
	1x	12.0m	3.75 + 5.0 = 4.50	=	67.50 m ²
					Total: 5883.6 m ²
(9) provide laying and close graded 90mm thick					
min Seal surface in					
all complete Area					
Same as (6)					3745.81 m ²
(10) provide & laying bitumen					
concrete curbs 100 x 120 TPA					
with hot mix plant					
produce as above					
act part of 25 tonnes					
per 1000 m ² concrete					
Aggregates in all as					
per Technical specification					

Area Same as (8)

Continuation

$$= 5883.64 \times 0.025 \text{ m} = 147.09 \text{ m}^3$$

$$\text{Total} = 146.54 \text{ m}^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) production & laying w.b.m. stone masonry of specific size units and packing as per technical specifications					
	7x	30.0m	3.75m	0.075m	= 57.06 m ²
(12) construction of entrained concrete concrete pavement 8 expansion joints thickness as per design as per technical specification in					

all	completing				
OTO	5x	3.60m	0.160m		
	5x	3.60m	3.75m	0.160m	
			2		
	1x	5.0m	3.60m	0.160	= 2.88 m ²
	1x	5.0m	3.60 + 3.75	0.160m	= 2.97
	1x	20.0m	3.75m	0.160m	= 12.00 m ²
	1x	30.0m	3.75	0.160m	= 18.00 m ²
	1x	30.0m	3.75	0.160	= 18.00 m ²
	1x	8.0m	3.75 + 3.60	0.160m	= 5.34
	3x	30.0m	3.75	0.160m	= 54.00 m ²
	1x	15.0m	3.75	0.160	= 9.00 m ²
	1x	7.0m	4.60	0.160	= 5.15 m ²
					total = 127.31 m ²
					gross = 126.25 m ²
					SLC
					126.25

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) Precast concrete slabs					
soling an p.c. piling					
	24	2430m	0.240m		105.0m ²
(14) precast concrete					
pillon					60 Nos
(15) precast Reinforced					
cement concrete piles					
each kilometer span					
(1)	1 m				02 Nos
(1)	2.0 m	same			08 Nos
(16) precast 8 layers					
retro reflector mix					
conditioning material					

	sign board				
(I)	60MM round				06 Nos
(II)	60MM circular				04 Nos
(III)	80x60MM Rectangular				02 Nos
(IV)	60MM x 450 Rect				04 Nos
(V)	90MM sq Octagon				01 Nos
(17) precast selection					
direction plate sign board					02 Nos
(18) precast Hot Applied					
thermo plastic Road Mark					
	2x 20x30x 0.1 m				120.0m ²
	2x 30x30x 0.1 m				180.0m ²
	2x 1x 2.0m x 0.1 m				0.40m ²
	2x 1x 30.0m x 0.1 m				6.0m ²

$$2 \times 1 \times 28 \times 0.1 \text{ m} = 5.60 \text{ m}^2$$

Continuation

$$\text{Total} = 312.0 \text{ m}^2$$

Secy
12/4/23
22

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19) Road Mending work					
HR applied 1/1000					
2036 pcc portion					
2x 2x30x0.10					42.0 M ²
(20) painting of 1 Tree					
2x 5x30x0.30					153 M ²
(21) painting 1050 of					
proceed.					01 M ²
Maintenance of road					01
cutting of 5000					01

					Total 0.3 M ²
(22) Road Mending in cells					
(i) correct rule					
3x2x6x0.40x0.60					8.64 M ²
(ii) painting pcc 20 cells					
3x2x6.00x					36.0 M ²
(iii) plaster cells 6 nos.					
Mortar					
4x0.60x0.60					14.40 M ²
2x x 6.0x1.00					4.80 M ²
4x 0.40x0.60					0.96 M ²
					Total 20.16 M ²
Paint 3x20.160					60.48 M ²

(10) paint two ear cells pcc

Continuation

Area same as (22) (11)

= 60.48 M²

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) provision cement metal (2)				B.F.	1274966
width THB				pro (4) (4)	
qty: 91.200 C. 3011=00					274264
lim: 91.08					274250
(5) provision cement metal on 3					
width THB				pro (5) (5)	
qty: 264.80 M					
qty: 59.06 M				pro (6) (11)	915431
total: 323.86				2862=42	927023
lim: 319.81					
(6) provision A 124 width THB				pro (6) (6)	

qty: 3745.81 M ²					
				CU 55=84 M ²	209166
(7) provision tax cert.					
width THB				pro (7) (4)	
qty: 3745.81 M ² EV 19.03 M					71283
(8) provision tax cert.					
width THB				pro (8) (8)	92967
qty: 5883.64 EV 15=86					93314
lim: 5861.70					
(9) provision cement steel structure in cell					
width THB				pro (9) (9)	
qty: 3745.81 M ²					
				EV 231=711 M ²	867942
				CO 100	427796

Continuation

2608252

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				31-	421396
(10) produce s.d.b.c					
wide TH3. p.d. 32. (10)					
depth = 146.54 m					
				11360.27 m	1655942
(11) construction of m					
reinforced cement.					
concrete in m					
wide TH3. p.d. 8. (12)					
depth = 126.25 m					
				11360.27 m	887645
(12) produce 1200 m					
800 in m					
wide TH3. p.d. 7. (13)					
depth = 103.0 m				477.79 m	50163
(13) produce 2000 m					
wide TH3. p.d. 7. (14)					
depth = 60.5 m				50.0 m	35400
(14) produce 1700 m					
wide TH3. p.d. 7. (15)					
depth = 02				2541.60 m	5083
(15) 200 m				08 m	3798
(16) produce 1200 m					
800 in m					
wide TH3. p.d. 7. (16)					
(16) 600 m					
				4082.93 m	24495

Continuation

5272785

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				R/-	6882494
(11) G.W.M.H. 4500					
BY MUC 3407 = 591					21630
(111) 600 x 600 Rectifier					
BY MUC 7462 = 32					14925
(111) 600 x 450 Rectifier					
BY MUC 5272 = 20					21088
(11) 900 mm Octagon					
BY MUC 9465 = 01					9465
(16) provision of 100 x 100 mm plate board					
with 100 mm plate					

Q. 17	62	No 11843 = 13	23686
(17)	provides	not apples	
	thermoplastic	road	
	more	11/11	
	wide	THB	provides (18)
Q. 18	312.0 M ²	616 = 811 M ²	195565 =
(18)	provides	thermoplastic	
	road	more	provides
	wide	THB	provides (19)
	42.0 M ²	693 = 271 M ²	29201 =
(19)	provides	provides	
	wide	THB	provides (20)
Q. 20	153 M ²	952 = 491	145730 =
	10	10/10	7343784

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(20) provision for area of house & compound of house & compound house under the plan (8) & (11)				0.1	7743.784
area of 0.113 @ 11013.831					230.11
(21) provision for under the plan (8) & (22)					
(1)					
area of 8.64 m ² @ 6773.2211					58521
(22) provision for under the plan (8) & (22)					
(22) (11)					
area of 36.01 @ 4118.02					16131.2
(23) provision for under the plan (8) & (22) (11)					
area of 60.48 m ² @ 190.247					11548.6689
(24) provision for under the plan (8) & (22) (11)					
area of 60.48 m ² @ 110.201					6689.2
(25) construction of 34.58 m ² & compound shed					
area of 1150.00 m ²					

EW 238.70 m² → 234505
Continuation
70120 79472532

6226187

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Sch. XLV-Form No. 134

G134515=

[illegible]

Maxwell's Stat. Mech.

- | | | |
|---|-------------------------|-----------------------|
| ① | 433. Stone metal | 72.63 m ³ |
| | crusher stone | 30.90 m ³ |
| ② | Stone metal | 410.0 m ³ |
| | screening material | 118.90 m ³ |
| ③ | stone chips in M-SS | 123.58 m ³ |
| ④ | stone chips in PCC | 113.40 m ³ |
| ⑤ | stone chips in S.P.C.C. | 208.78 m ³ |
| ⑥ | emulsion (SS) | 3.183 MI |
| | emulsion (PS) | 1.0298 MI |
| | emulsion (PS) | 1.611 MI |
| | Bitumen | 23.9604 MI |
| ⑦ | Water | 1150.0 m ³ |
| | | Sub |