

mmssy (WB)

m.B.No-514

Schedule XLV Form No. 134. 21.22

Nomha Musahani Aramno Nomha to

~~gashon. shary~~

DIVISION

~~gashon. shary~~

SUB-DIVISION

Measurement Book

Arvind Kumar

प्रमाणित किया जाता है कि इस
मापी पुस्तक में मशीन द्वारा अंकित
कुल - 100 (एक सौ) पन्ने हैं जिनमें
श्री रमेश कुमार शर्मा, सहायक
अभिधेन शासीन कार्य विभाग
का यह अवर प्रमंडल, चौबिसवाली
निर्गत किया जाता है।

Handwritten: 11/10/21
Executive Engineer
R.W.D. Works Div.
Gopals
Signature: B. K. S.
9.10.21

Sch. XLV - Form No. 134

प्रमंडल: गोरारी DIVISION

अवर प्रमंडल: चौबिस SUB-DIVISION

Measurement Book

514 No.

Name of Officer _____

Date of first entry _____

Date of last entry _____

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 - Construction of Road from Monka Mushakri Arnama Monka to Monka Mushakri					
Head - MMSY (WS)					
Agency - Arbind Kumar					
Date of Start - 05/02/2021					
Date of Completion - 04/02/22					

Agreement No. & Date - 5/02/22

3588/2021-22

Revised Measurement

① Setting out Pillar

① Working Bench Mark Pillar

Qty - 3 Nos

② Reference Pillar

Qty - 12 Nos

③ Clearing & grubbing of

road land do do do

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3rd of Final Bill					
<u>ABSTRACT OF COST</u>					
① Setting out Pillar					
① WBM Pillar					
3 Mts - T.M.P. - ①					
@ 39.80 ru/m - 11940 ru					
① Reference Pillar					
12 Mts - T.M.P. - ①					
@ 18.28 ru/m - 21936 ru					
② Clearing and grubbing of road land - do - do - 2 1/2					
2.10 Ha - T.M.P. - ①					
@ 51137 ru/Ha - 107988 ru					
③ Construction of embankment with material obtained from borrow pit - do - do - 2 1/2					
① load - 1000 M					
110.18 m ³ - T.M.P. - ⑦					
@ 190 ru/m ³ - 20934 ru					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Land — 100 M					
2789.30 m ² — vide				P- (7) MSM (53)	
@ 150 = m/m ² —					418398=
④ Construction of sub-grade					
4 car/hon shoulder —					
ds — ds —					
5838.00 m ² vide				P.N. (18)	
2137.65 m ² vide				P.N. (13) MSM (53)	
7975.65 m ²					
@ 191 = m/m ² —					1523350=

⑤ G.S. — pr. d.					
Construction of granular					
sub-base finishing well					
graded material —					
ds — ds —					
315.90 m ² — vide				P.N. — 18	
2074.72 m ² — vide.				P.N. (8) MSM (53)	
3390.62 m ²					
@ 2700 = m/m ² —					6454688=
⑥ CW excavation in					
found 1 — ds — ds —					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
337.25 m ² - vide P.N. - (19)					
89.40 m ² - vide P.N. - (1)					
426.65 m ²					
@ 426.65 m ² -					114769 cu
⑦ Sand filling in the foundation - 2%					
4.91 m ² - vide P.N. - (19)					
@ 426.65 m ² -					2092 cu
⑧ Bridging PCC - 1% 15					
(1:2:5) complete for plain concrete in foundation - 2%					
41.35 m ² - vide P.N. - (19)					
8.88 m ² - vide P.N. - (2)					
50.23 m ²					
@ 53.50 m ² -					26873 cu
⑨ B/P in C.M (1:2:4) in foundation complete -					
186.61 m ² - vide P.N. - (19)					
@ 56.00 m ² -					1045016 cu

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑩ Brick work in c.m (1-4)					
in sub-structure —					
do — do — do					
80.14 m ² — vide P.M. (20)					
91.81 m ² — vide P.M. (2)					
171.95 m ² — vide P.M. (20)					
171.95 m ² — vide P.M. (20)					
@ Rs 5500 = Rs/m ² — Rs 94572500					
⑪ plain/Reinforced Concrete					
Concrete (M-20) in sub-					
structure — do — do — do					
13.28 m ² — vide P.M. (20)					
13.28 m ² — vide P.M. (20)					
@ Rs 6184 = Rs/m ² — Rs 821480					
⑫ Finishing and keying					
Rcc pipe MP-3 for					
Culvert — do — do — do					
28.50 m — T.M.P. — (2/597)					
28.50 m — T.M.P. — (2/597)					
@ Rs 4077 = Rs/m — Rs 917330					
⑬ Finishing Bitumen painting					
over top surface — do					
45.00 m ² — vide P.M. (20)					
45.00 m ² — vide P.M. (20)					
@ Rs 15 = Rs/m ² — Rs 675000					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(14) S/P/P HYSD bar reinforcement in Super structure — do — do — 2					
2.755 MT — TM/3P — (20)					
@ 52571 = Rs/MT — 144668 =					
(15) Finishing and laying reinforcement Cement Concrete in Super structure — do — do — 2 1/2					
20.655 m ² — TM/3P — (21)					
@ 7128 = Rs/m ² — 147229 =					
(16) Finishing and filling joint Sealing Compound do — do — 2 1/2					
45.00 m — TM/3P — (21)					
@ 36200 = Rs/m — 162000 =					
(17) B/P in C.M (1:2:3) in Parapet — do — do — 2 1/2					
12.24 m ² — TM/3P — (21)					
@ 6244 = Rs/m ² — 76427 =					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18) Plastering with C:M					
(1:4) 15mm thick on					
B/W ds ds ds ds					
212.81 m ² - T.M.P - (21)					
211.55 m ² - vide P.M. (3)					
413.36 m ² ✓					
@ 173000/m ² → 71511 =					
(19) Rividing weep holes					
in B/W ds ds ds					
84 No - T.M.P - (22)					
@ 458700/m ² → 385308 =					
(20) Rividing 1.5mm Gypsum					
tunnage including curving					
ds ds ds ds					
42.66 m ² - vide P.M. (3)					
M.S.M. 537					
@ 460000/m ² → 179220 =					
(21) For Cable duct					
across the road -					
ds ds ds ds					
90.44 m - vide P.M. (3)					
M.S.M. 172					
@ 842200/m ² → 75780 =					
(22) Painting two coats					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
on new concrete surface					
do — do — do					
423.58 m ² — vide				$\frac{P.M. (7)}{M.S.M. (53)}$	
@ 79200/m ²					44193400
③ 4200-gr3					
finishing, laying, spreading and compacting stone aggregates of specific size — do — do — do					
858.56 m ² — vide				$\frac{P.M. (9)}{M.S.M. (53)}$	
@ 350000/m ²					30049600
④ Prime coat					
finishing and applying prime coat with bitumen emulsion 55+ on prepared surface — do — do					
10678.00 m ² — vide				$\frac{P.M. (10)}{M.S.M. (53)}$	
@ 44000/m ²					46983200
⑤ Tack coat					
finishing and applying tack coat with bitumen					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
emulsion RST - do -					
do - do					
10678.0 m ² - vide			P.M. 10		(532)
			M.S.M.		
@ 1520/m ² -					160170.00
(25) Mix Seal Surface					
finishing, laying and					
rolling of closed-graded					
bituminous surface					
do - do - do					
10678.0 m ² - vide			P.M. 11		(532)
			M.S.M.		

@ 19020/m² - 2028820.00

(26) Panel Concrete Pavement

Construction of an-reinforced

plain Cement Concrete

pavement thick ness as

Per Design do - do

76.50 m² - vide P.M. 11

M.S.M. (13)

@ 7500/m² - 573750.00

(27) Hard Shouldering

Laying brick Soling

layer on Prepared

Continuation

29) Kilometre Stone
Reinforced Cement Concrete
M-15 grade Kilometre -
ds - ds - Cts -
① km Stone
4 Ms - vide - $\frac{P.M.}{M.S.}$ $\left(\frac{19}{532}\right)$
Cts 2220 200/m - 8880 200/m
30) 200m Stone
12 Ms - vide - $\frac{P.M.}{M.S.}$ $\left(\frac{19}{532}\right)$
Cts 589 200/m - 7068 200/m

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
30) Boundary Pillar					
Reinforced Cement Concrete					
M15 grade boundary					
Pillar — ds — ds — 2u					
128 Nos	—	vide	P.Nb	(15)	532
			M.B.N		
Ch 499200/m					63872m
31) Traffic Sign					
Providing and fixing of					
retro-reflective Cataplan					
Mandatory and informative					
Sign board — ds — ds					
① 600mm equilateral A					
64 Nos	—	vide	P.Nb	(15)	532
			M.B.N		
Ch 370000/m					236800m
② 600mm Circular					
10 Nos	—	vide	P.Nb	(15)	532
			M.B.N		
Ch 493900/m					49390m
③ 600mm x 450mm Rectangular					
4 Nos	—	vide	P.Nb	(15)	532
			M.B.N		
Ch 467400/m					186962m

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① 9mm octagon					
8763 - vide -			P.M. M.S.	(15) (53)	
@ 8711 sq/m -					71288m
② Road Marking with					
Hot applied thermoplastic compound with					
Reflecting glass beads					
on BT-Surface ab - 8					
584.7m ² - vide -			P.M. M.S.	(15) (53)	
@ 721 sq/m ² -					421064m
③ Road Marking with					
Hot applied thermoplastic					
Compound with Reflect-					
ing glass beads on					
ce - Pavement ab - 8					
40.7m ² - vide -			P.M. M.S.	(16) (53)	
@ 810 sq/m ² -					32400m
④ Direction and place					
identification sign Board					
on ab - vide -			P.M. M.S.	(16) (53)	
@ 2699 sq/m -					2699m

Continuation

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