

Agency - Summit K.K. Singh

Ambedkar Nagar, Delhi 110001

Secret XLY - From Na 134, 19.11.15.84

For the

Min P.W.D.

For the work. A. bad. Division

Assistant Engineer. R.W.D. and Division

work-sub-oiv-kishu mba.

NA 134/1000 116/2603

Certified that this M.B. contain 100
(one hundred) pages by printed &
machine and issued to Sri Babar
Ram A.E R.W.D work sub-division Kutchumbur.

24/10/72

Executive Engineer
Rural Works Department
Works Division, Aurangabad

11/10/72

Schedule KLV - Form No. 134.

E.E R.W.D. Aurangabad DIVISION.

Assistant Engineer S.W.D. DIVISION.

R.W.D. work sub-division Kutchumbur

MEASUREMENT BOOK.

2603

211323

Sri Babar Ram A.E

R.W.D. work sub-div

Kutchumbur

निर्धारित नमूने के अनुसार ।

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.	
	<u>1st on A/c bill</u>				
N/w - construction of road from					
Mitrasenpur to Basaura					
Agency - Sri Sunil Kumar Singh					
Agreement no. - 19 SBD/2020-21					
Date of work start - 08/06/20					
Date of completion - 07/03/21					
Date of entry -					
Measurement					
① clearing and grubbing					
road land.					

$$2 \times 1.5 \times 30 \times 3.50 = 31.50 \text{ m}^2$$

$$= 0.32 \text{ Hec.}$$

② Dismantling of existing
structure like culverts
cement mortar.

$$2 \times 5.30 \times 1.13 \times 0.10 = 1.20 \text{ m}^3$$

③ Dismantling of existing
structure like culverts
cement mortar.

$$2 \times 2 \times 3.60 \times 0.70 \times 5.20 = 32.35 \text{ m}^3$$

$$2 \times 2 \times 3.60 \times 0.40 \times 0.60 = 3.46 \text{ m}^3$$

$$\text{less } 2 \times 2 \times 0.7857 \times (0.83)^2 \times 0.53 = (-) 1.14 \text{ m}^3$$

$$34.57 \text{ m}^3$$

④ Removing hump pipe
up to 600 mm p.

$$2 \times 3 \times 2.50 = 15.00 \text{ m}$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(5) Excavation for found. of structure.					
H.W. 2x	2x	3.90	1.15	1.50	= 26.91 m ³
Below pipe. 2x	1x	5.35	1.13	0.365	= 4.41 m ³
					<u>31.32 m³</u>
(6) Providing p.c.c. 1-15 in open foundations.					
H.W. 2x	2x	3.90	1.15	0.15	= 2.69 m ³
Below pipe. 2x	1x	5.31	1.13	0.25	= 3.60 m ³
					<u>5.69 m³</u>
(7) Providing p.c.c. 1-20 in sub-structure.					
H.W. 2x	2x	3.60	$\frac{1.00 + 0.40}{2}$	2.78	= 28.02 m ³
Below pipe. 2x	2x	3.60	0.40	0.60	= 3.46 m ³
Less pipe. 2x	2x	$\frac{17}{4}$	$(0.83)^2$	0.53	= (-) 1.15 m ³
					<u>30.33 m³</u>
(8) Providing and laying p.c.c. 1:1:6 pipe of 600 mm.					
	2x	3x	2.50		= 15.00 m
(9) Providing and laying R.C.C. pipe of 300 mm.					
	2x	4x	2.50		= 20.00 m
(10) Excavation for roadway in soil (Box cutting)					
	2x	15x	30x	0.375x	0.10 = 33.75 m ³
(11) Comp. of embankment from excavated soil from box cutting.					
				$33.75 \times \frac{60}{100}$	= 20.25 m ³

Continuation

Sch. XLV-Form NO. 154					
Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(12) Construction of embankment with material					
of calculation.					
chainage	Pill Area	Mean Area	Dist.	Fill volume.	
0	1.522	—	—	—	
50	1.852	1.687	50	84.250	
100	1.914	1.883	50	94.150	
150	2.017	1.965	50	98.250	
200	1.613	1.815	50	90.750	
250	1.924	1.768	50	88.400	
300	1.901	1.912	50	95.600	
350	1.732	1.816	50	90.800	
400	2.845	2.229	50	114.450	
450	2.904	2.874	50	143.700	

Total qty

900.45 m³

(13) Construction of

G.S.B.

$$2 \times 15 \times 30 \times 0.375 \times 0.10 = 33.75 \text{ m}^3$$

$$2 \times 1 \times 9 \times 0.375 \times 0.10 = 0.68 \text{ m}^3$$

Profile correction.

$$4 \times 2.95 \times 1.70 \times 0.15 = 3.01 \text{ m}^3$$

$$8 \times 2.80 \times 1.90 \times 0.15 = 0.78 \text{ m}^3$$

$$5 \times 2.45 \times 1.65 \times 0.15 = 3.03 \text{ m}^3$$

$$7 \times 1.78 \times 1.95 \times 0.15 = 3.64 \text{ m}^3$$

$$9 \times 1.73 \times 1.45 \times 0.15 = 3.39 \text{ m}^3$$

$$\text{Limited} = 47.93 \text{ m}^3$$

$$54.68 \text{ m}^3$$

$$48.28 \text{ m}^3$$

(14) Providing and laying with

grading III

$$15 \times 30 \times 3.75 \times 0.075 = 126.56 \text{ m}^3$$

Continuation

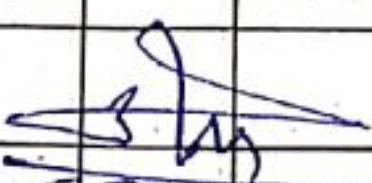
$$1 \times 9 \times 3.75 \times 0.075 = 2.53 \text{ m}^3$$

$$129.09 \text{ m}^3$$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(15) construction of cement concrete pavement					
M-30.					
$15 \times 30 \times 3.75 \times 0.160 =$					270.00 m^3
$1 \times 9 \times 3.75 \times 0.160 =$					5.40 m^3
					<u>275.40 m^3</u>
(16) Providing and fixing of					
MMSY sign board - 2 Nos,					

Sunil Kumar
26/11/2020
JG


27/11/20
AJ

ABSTRACT OF COST

(1) Cleaning and grubbing
road land.

0.32 Hec. vide TMS P-1

@ Rs. 51133 = 76/Hec - 16363 = Rs

(2) Dismantling of existing
structure like culvert
cement concrete

1.20 m³ vide TMS P-1

@ Rs. 484 = 77/m³ - 582 = Rs

(3) Dismantling of existing
structure like culvert
cement mortar.

34.57 m³ vide TMS P-1

@ Rs. 231 = 77/m³ - 8012 = Rs

Rs. 24957 = Rs

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
				B.F.S.	24957 = cu
(4) Removing lamp pipe up to 600 mm.					
15.00 m wide T&B p. 1					
				ca. 174 = 78/5	2622 = cu
(5) Excavation for found ⁿ of structure					
31.32 m ³ wide T&B p. 2					
				ca. 269 = 32/5 ³	8435 = cu
(6) Providing p.c.c. in open foundations.					
5.69 m ³ wide T&B p. 2					
				ca. 4895 = 42/5 ³	27855 = cu
(7) Providing p.c.c. in					

in substructure.

30.33 m³ wide T&B p. 2ca. 5676 = 78/5³ 172168 = cu

(8) Providing and laying p.c.c.

NP₃ pipe of 600 mm.

15.00 m wide T&B p. 2

ca. 1010 = 50/5 15150 = cu

(9) Providing and laying

R.C.C. pipe of 300 mm.

20.00 m wide T&B p. 2

ca. 894 = 17/5 17883 = cu

(10) Excavation for roadway

in soil (Box cut type)

33.75 m³ wide T&B p. 2ca. 74 = 16/5² 2503 = cu

ca. 271573 = cu

Continuation

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

B.F.R.

271573 = 0

(11) Const. of embankment -

from excavated soil

from box cutting.

20.25 m^3 side TMBP - 2@ 26 = 11/5 m^3 — 529 = 0

(12) Construction of embankment

with like material

900.45 m^3 side TMBP - 3@ 174 = 94/5 m^3 — 157525 = 0

(13) Construction of

G.S.B.

47.93
54.88 m^3 side TMBP - 3@ 2571 = 25/5 m^3 — 123240 = 0

(14) Providing and laying

with grading III

129.09 m^3 side TMBP - 3@ 3678 = 34/5 m^3 — 474837 = 0

(15) Construction of cement

concrete pavement H-30

275.40 m^3 side TMBP - 4@ 6182 = 08/5 m^3 — 1702545 = 0

(16) Providing and laying of

H.M.S.Y. High board

2 Nos. side TMBP - 4

@ 9272 = 92/c — 18546 = 0

R. 2748795 = 0

Add 124.457 — 329855 = 0

ix. L.C. cells — 27488 = 0

B 3106138 = 0

Continuation

7

[illegible]

Continuation