

Schedule XLV-Form No. 134

અર્ધવર્ગીય વિભાગ અને પુનઃવિતરણ
DIVISION

અર્ધવર્ગીય વિભાગ અને પુનઃવિતરણ
SUB-DIVISION

MEASUREMENT BOOK

No-2302

સંદર્ભ :- રાજ્ય પત્ર

ग्रामीण कार्य विभाग कार्य प्रमंडल, पुपरी DIVISION
कार्य अवर प्रमंडल, जानपुर SUB-DIVISION

Measurement Book

No. 2302

Name of officer श्री राम कुमार सत्माथी
सहायक अभियंता/कार्य अवर प्रमंडल जानपुर

Date of first entry _____

Date of last entry _____

1st on A/c Bill

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.	
N/work:- Constn. of Road & CD works with maintenance for Barr Road to Malte under MMSY.					
N/Agency:- Rangan Kumar Ward no-11, Parthar Sita marhi					
Agreement no- 04/SBD of 2013-20					
Date of start:- 19-03-20					
Date of Completion - 18-09-20					
<u>Measurement</u>					
(1/1/2) P/v & Fixing of working benchmark pillar etc.					
(a) Working benchmark QM = 0.495 km					
(b) Reference pillar QM = 0.496 km					
(2/3) clearing & grubbing Road Land etc.					
2 x 12 x 30m x 2.5m = 1800m ²					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$2 \times 3 \times 30m \times 3m = 540m^2$
					$2 \times 30m \times 2.5m = 150m^2$
					$2 \times 16m \times 2.5m = 80m^2$
					<u>$2570m^2$</u>
					$2570/10000 = 0.2571Hr$
					$Qty = 0.2571Hr$

(3/4) Excavation for Road
way in soil using
manual means etc

$$2 \times 7 \times 30m \times 0.375 \times 0.1 = 15.75m^3$$

$$2 \times 15m \times 0.25m \times 0.1m = 0.75m^3$$

$$2 \times 15m \times 0.2m \times 0.1m = 0.6m^3$$

	$2 \times 15m \times 0.35m \times 0.1m = 1.05m^3$	
	$2 \times 15m \times 0.3m \times 0.1m = 0.9m^3$	
	$2 \times 15m \times 0.34m \times 0.1m = 1.02m^3$	
	$2 \times 11m \times 0.2m \times 0.1m = 0.44m^3$	
		$Qty = 20.69m^3$

(4/5) Constr. of embankment
with material obtained
from borrow pit etc.
Lead 1000m

Qty taken approximate
30% of total Qty.

$$30\% \text{ of } 112.32m^3 = 33.69$$

$$Qty = 33.69m^3$$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of measurement				Contents of area
	No.	L.	B.	D.	
(5/7) Constn. of granular					
Sub-base by providing well graded material etc.					
Box cutting portion	2 x 7 x 30m	0.375	0.1m		= 15.75m ³
	2 x 15m	0.25m	0.1m		= 0.75m ³
	2 x 15m	0.2m	0.1m		= 0.6m ³
	2 x 15m	0.35m	0.1m		= 1.05m ³
	2 x 15m	0.3m	0.1m		= 0.9m ³
	2 x 15m	0.34m	0.1m		= 1.02m ³
	2 x 11m	0.2m	0.1m		= 0.44m ³
Profile correction	5 x 2m x 1.5m	0.1m			= 1.5m ³
	14 x 1.5m x 1.2m	0.1m			= 2.5m ³
Full width	10 x 1.2m x 1.2m	0.1m			= 2.2m ³
	15m x $\frac{(3.75 + 3.95)}{2}$	0.1m			= 5.78m ³
	15m x $\frac{3.6 + 3.75}{2}$	0.1m			= 5.51m ³
	15m x $\frac{3.8 + 3.6}{2}$	0.1m			= 5.55m ³
	15m x $\frac{3.65 + 3.8}{2}$	0.1m			= 5.58m ³
	15m x $\frac{3.85 + 3.65}{2}$	0.1m			= 5.62m ³
	15m x $\frac{4.15 + 3.85}{2}$	0.1m			= 6m ³
	15m x $\frac{3.85 + 4.15}{2}$	0.1m			= 6m ³
	15m x $\frac{3.9 + 3.85}{2}$	0.1m			= 5.81m ³
	15m x $\frac{3.85 + 3.9}{2}$	0.1m			= 5.81m ³
	15m x $\frac{3.9 + 3.85}{2}$	0.1m			= 5.81m ³
	15m x $\frac{3.85 + 3.9}{2}$	0.1m			= 5.81m ³

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	15m	$\frac{4.05+3.3}{2}$		$\times 0.075$	$= 4.50m^3$
	15m	$\frac{3.8+4.05}{2}$		$\times 0.075$	$= 4.06m^3$
	5m	$\times 3.8m$		$\times 0.075m$	$= 1.42m^3$
	11m	$\times 3.8m$		$\times 0.075m$	$= 3.13m^3$
	15m	$\frac{4.15+3.8}{2}$		$\times 0.075m$	$= 4.47m^3$
	15m	$\frac{3.3+4.25+4.15}{3}$		$\times 0.075m$	$= 4.38m^3$
	15m	$\frac{4.55+3.3}{2}$		$\times 0.075m$	$= 4.41m^3$
	15m	$\frac{3.5+4.55}{2}$		$\times 0.075m$	$= 4.02m^3$
	15m	$\frac{4.4+3.5}{2}$		$\times 0.075m$	$= 4.44m^3$
	15m	$\frac{4.2+4.4}{2}$		$\times 0.075m$	$= 4.38m^3$
	15m	$\frac{3.35+3.2+4.1}{3}$		$\times 0.075m$	$= 3.29m^3$
	15m	$\frac{3.2+3.35}{2}$		$\times 0.075m$	$= 4.07m^3$
	15m	$\frac{4.6+3.9}{2}$		$\times 0.075m$	$= 4.70m^3$
	15m	$\frac{3.45+3+3.05}{3}$		$\times 0.075m$	$= 3.06m^3$
	15m	$\frac{3.45+3.5}{2}$		$\times 0.075m$	$= 3.9m^3$
	15m	$\frac{3.9+3.45}{2}$		$\times 0.075m$	$= 4.13m^3$
	15m	$\frac{3.05+3.9}{2}$		$\times 0.075m$	$= 4.35m^3$
	15m	$\frac{3.5+3.5}{2}$		$\times 0.075m$	$= 5.6m^3$
	15m	$\frac{3.65+3.5}{2}$		$\times 0.075m$	$= 4.02m^3$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$15m \times \frac{3.35+3.65}{2}$		$\times 0.075m$	$= 3.93m^2$
		$15m \times \frac{3.35+3.5}{2}$		$\times 0.075m$	$= 3.85m^2$
		$15m \times \frac{3.75+3.5}{2}$		$\times 0.075m$	$= 4.09m^2$
		$15m \times \frac{3.8+3.75}{2}$		$\times 0.075m$	$= 4.24m^2$
					$Qty = 172.90m^3$

(7/g) ~~Cost of un reinforced~~~~plain cement concrete~~~~Pavement etc~~

(7/h) P/v 2 Fixing of typical

masonry informative sign

board with logo etc.

Logo identification sign board = 1 NO

Citizen information board = 1 NO

Qty = 2 NO.

15-03-20
JE

15-03-20
AB

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
(1/2) P/v & Fixing of working benchmark pillar					
(a) Working benchmark					
Qty vol TMB P-1					
				Qty = 0.496 km	
@ 4188 = 74/km				—	₹ 2070 = 00
(b) Reference pillar					
Qty vol TMB P-2					
				Qty = 0.496 km	
@ ₹ 1936 = 20/km				—	₹ 960 = 00
(2/3) clearing & grubbing Road Land etc.					
Qty vol TMB P-1/2					
				Qty = 0.257 Hq	
@ ₹ 49496 = 7/Hq				—	₹ 12720 = 00
(3/4) Excavation for Road					
work in soil using manual means etc.					
Qty vol TMB P-2					
				Qty = 20.69 m³	
@ ₹ 74 = 10/m³				—	₹ 1533 = 00
(4/5) Constn. of embankment					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
with material obtained from borrow pit					
Lead 1000 m					
Qty vide TMB P-2					
					Qty = 33.69 m ³
@ ₹ 175 = 11/m ³ ——— ₹					5899 = 00
(5/3) Constr. of granular sub-base by providing well graded material etc					
Qty vide TMB P-3/4					
					Qty = 103.07 m ³
@ ₹ 2558 = 95/m ³ ——— ₹					263751 = 00
(6/8) P/v, laying, spreading & compacting stone aggregate of WBM Gr-III					
Qty vide TMB P-4 tot					
					Qty = 142.90 m ³
@ ₹ 3134 = 89/m ³ ——— ₹					445110 = 00
(7/6) P/v & fixing of typical masonry for masonry sign board with Jago					
Qty vide TMB P-6					
Qty = 2 No, @ ₹ 10334 = 97/m ² ——— ₹					21990 = 00
					Total = 754049 = 00

Continuation

Handwritten signature and date: 15-10-20

material statement

- ~~Carbon~~
159.26
AB