

Sombarsa to Katha Toi (SC)

Schedule XLV-Form No. 134

PHULPARAS DIVISION

22nd 1 SUB-DIVISION

M.B. No - 246
2020-21

Measurement Book

ਪ੍ਰਮਾਣਿਤ ਕਰਾਰ ਕਾਰਜਾਂ ਨੂੰ ਜਿਸ ਦਰਜਾ ਪ੍ਰਾਪਤ
ਪੰਕਤੀ ਨੂੰ ਮਸ਼ੀਨ ਦੁਆਰਾ ਮੁਦ੍ਰਿਤ-100 (ਸ਼ਰਫ਼ੀ)
ਪ੍ਰਦਾਨ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਅਤੇ ਸਹਾਇਕ ਅਧਿਕਾਰ, ਪ੍ਰਮਾਣਿਤ
ਕਾਰਜ ਵਿਭਾਗ, ਕਾਰਜ ਅਧਿਕਾਰ ਪ੍ਰਮਾਣਿਤ,
ਸ਼ੁਰੂਆਤ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।

30/07/21
19/07/21
Executive Engineer
Rural Works Department
Works Division Phulparas
19.07.2021

Sch, XLV-Form No. 134

ਮੁਖਿਯਤਾ DIVISION

ਸ਼ੁਰੂਆਤ SUB-DIVISION

Measurement Book

No. 246
2020-21

Name of Officer

Executive Engineer
Rural Works Department
Works Division Phulparas
19.07.2021

Date of first entry

Date of last entry

Let on A/c B:11

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.	
Name of Work :					
Name of Agency :					
Agreement No. :					
Date of Commencement :					
Date of Measurement :					
Item No. 01					
Setting Out Pillars					
Item No. 02					
Clearing & grubbing					
road land					
Item No. 03					
Dismantling of					
existing structure					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No. 04					
Removing all types of					
hume pipe					
Above 600mm to 900mm					
dia hume pipe				10.00m	
Item No. 05					
Const. of embankment					
$\frac{1}{2} \times (5.50 + 7.90) \times 1.20 \times 10 \text{ Nos.} \times 30 \text{m}$					$= 2412.00 \text{ m}^3$
$18 \text{ Nos.} \times 30 \text{m} \times \frac{(5.00 + 5.80)}{2} \times 0.40$					$= 166.40 \text{ m}^3$
$1 \text{ No.} \times 10 \text{m} \times \frac{(5.00 + 5.80)}{2} \times 0.40$					$= 21.60 \text{ m}^3$
L.H.S.					
$8 \text{ Nos.} \times 20 \text{m} \times 1.00 \times 0.30$					$= 72.00 \text{ m}^3$
$1 \text{ No.} \times 12 \text{m} \times 1.00 \times 0.30$					$= 3.60 \text{ m}^3$
$9 \text{ Nos.} \times 30 \text{m} \times 0.80 \times 0.20$					$= 48.60 \text{ m}^3$
$1 \text{ No.} \times 8 \text{m} \times 0.80 \times 0.20$					$= 1.44 \text{ m}^3$
$6 \text{ Nos.} \times 30 \text{m} \times 0.80 \times 0.25$					$= 36.00 \text{ m}^3$
$1 \text{ No.} \times 12 \text{m} \times 0.80 \times 0.25$					$= 2.40 \text{ m}^3$
R.H.S.					
$11 \text{ Nos.} \times 30 \text{m} \times 0.30 \times 0.30$					$= 89.10 \text{ m}^3$
$1 \text{ No.} \times 11 \text{m} \times 0.30 \times 0.30$					$= 2.97 \text{ m}^3$
$8 \text{ Nos.} \times 30 \text{m} \times 1.00 \times 0.20$					$= 48.00 \text{ m}^3$
$1 \text{ No.} \times 8 \text{m} \times 1.00 \times 0.20$					$= 1.60 \text{ m}^3$
$6 \text{ Nos.} \times 30 \text{m} \times 0.80 \times 0.20$					$= 43.20 \text{ m}^3$
$1 \text{ No.} \times 11 \text{m} \times 0.80 \times 0.30$					$= 2.64 \text{ m}^3$
					2951.55 m^3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(a) Lead 1000m					
					$3,951.55 \times 20\% = 790.31 \text{ m}^3$
(b) Lead 100m					
					$3,951.55 \times 80\% = 3,161.24 \text{ m}^3$
Item No. 05					
Earthwork in excavation for foundation					
Head					54.18
Wall 2H ₁ × 2H ₂ × 6.45 × 1.40 × 1.50 =					m^3
Below					
Pipe 2H ₁ × 106 × 4.85 × 1.52 × 0.265 =					5.42
					m^3
					59.60 m^3
Item No. 06					
Providing M15 (1:2:5) in foundation					

Head					
Wall 2H ₁ × 2H ₂ × 6.45 × 1.40 × 0.15 =					5.42
Below					m^3
Pipe 2H ₁ × 106 × 4.85 × 1.52 × 0.25 =					3.77 m^3
					9.19 m^3

20.01.2021
20.01.2021
AE

Date 21.01.2021

Item No. 01

Plain Cement concrete

in substructure

Head					
Wall 2H ₁ × 2H ₂ × 6.15 × $\frac{0.45 + 1.20}{2}$ × 3.18 =					64.54
					m^3

Parapet 2H ₁ × 2H ₂ × 6.15 × 0.45 × 0.16 =					5.90
					m^3

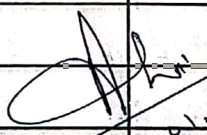
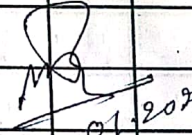
Less for					
Pipe 2H ₁ × 2H ₂ × $\frac{11}{4}$ × 1.20 × 0.622 =					2.95
					m^3

Continuation

67.49 m^3

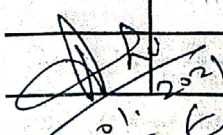
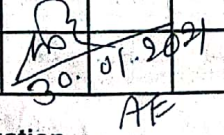
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No. 04					
Const. of granular					
sub base					
48 Nos. $\times 30m \times 4.05 \times 0.20$					$1166.40 m^3$
1 No. $\times 10m \times 4.05 \times 0.20$					$8.10 m^3$
					$1174.50 m^3$
Item No. 05					
Providing & fixing					
of M.M.G.S.Y. sign board					
M.M.G.S.Y. informatory board - 1 No.					
Citizen information board - 1 No.					
					2 Nos.

 30.01.2021
 30.01.2021
 J. S. E. A. E.

Material Statement

Earth work:- $40.51.65 m^3$
 Stone Metel:- $1127.52 m^3$
 Coarse sand:- $328.87 m^3$
 Stone chips:- $72.14 m^3$
 Bricks:- 19580 Nos.

 30.01.2021
 30.01.2021
 J. S. E. A. E.

Continuation

Abstract of Letter A/c Bill

Date 30.01.2021

Item No. 01

Providing & fixing of
working benchmark &
reference pillars

Vide this M.B. Page 1 - 12 No
12 No @ Rs 2,550 = 25/No
→ Rs 30,600 = 00

Item No. 02

Clearing & grubbing
road land by manual
means

Vide this M.B. Page 1 - 0.54 h

Q. 30,602 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
0.54 H @ R 49,496 = 70/H					
→ R 26,728 = 00					
Item No. 03					
Dismantling of existing structures as per specification					
Vide this M.B. Page 1 - 50.00 m ³					
50.00 m ³ @ R 228 = 72/m ³					
→ R 13,494 = 00					
Item No. 04					
Removal of all types of Hume pipe above ground to 800mm dia H.P.					
Vide this M.B. Page 2 - 10.00 m					
10.00 m @ R 228 = 68/m					
→ R 2,287 = 00					
Item No. 05					
Const. of embankment					
(a) 1000 m level					
Vide this M.B. Page 3 - 780.31 m ³					
780.31 m ³ @ R 175 = 11/m ³					
→ R 1,38,391 = 00					
(b) 100 m level					
Vide this M.B. Page 3 - 3161.24 m ³					
3161.24 m ³ @ R 139 = 30/m ³					
→ R 4,42,257 = 00					

R 6,53,766 = 00

Continuation

R 6,53,766 = 00

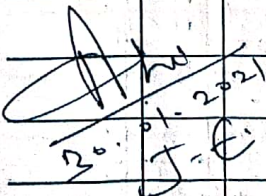
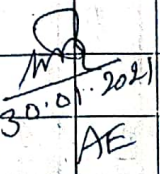
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No. 06					
Earthwork in excavation for foundation					
Vide this M.B. Page 2					59.60 M ³
59.60 M ³ @ R 260 =					59/M ³
					→ R 15,531 = 00
Item No. 07					
Providing Mr 1:2:5					
as levelling course in foundation					
Vide this M.B. Page 3					9.10 M ³
9.10 M ³ @ R 6485 =					75/M ³
					→ R 59,598 = 00
Item No. 08					
P.C.C. in substructure as per specification					
Vide this M.B. Page 3					67.49 M ³
67.49 M ³ @ R 7383 =					204/M ³
					→ R 4,98,281 = 00
Item No. 09					
Providing and laying R.C.C. pipe HP 300 mm dia					
Vide this M.B. Page 4					15.00 M
15.00 M @ R 3634 =					24/M
					→ R 54,523 = 00

R 12,81,700 = 00
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No. 10					
Earthwork in excavation for structure					
Vide this M.R. Page 4					40.50 m ³
40.50 m ³ @ Rs 260.50/m ³					
→ Rs 10,554 = 00					
Item No. 11					
Providing P.C.C. Ms (1:2.5:5) concrete in open foundation					
Vide this M.B. Page 4					4.05 m ³
4.05 m ³ @ Rs 648.5 = 15/m ³					
→ Rs 26,265 = 00					
Item No. 12					
Providing concrete brick masonry work in C.M. (1:4)					
Vide this M.R. Page 4					39.16 m ³
39.16 m ³ @ Rs 738.3 = 04/m ³					
→ Rs 2,89,120 = 00					
Item No. 13					
Providing concrete M-20 in coping over wall					
Vide this M.B. Page 4					0.90 m ³
0.90 m ³ @ Rs 738.3 = 04/m ³					
→ Rs 664.5 = 00					
Item No. 14					
Const. of granular					

Continuation Rs 16,14,284 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sub base by providing well graded material					
Vide H.S.M.B. Page 5 - 1174.50 m ³					
1174.50 m ³ @ R 3536254/m ³					
					R 41,53,666 200
Item No. 15					
Providing & fixing of typical mm Grey Ironmech sign boards with Logo as per MORD specification					
Vide H.S.M.B. Page 5 - 2 No					
2 No @ R 10890291/No					

				R 21,582 200
				R 57,89,732 200
Add 12% GST -				R 6,94,768 200
				R 64,84,500 200
Add 1% L.C. -				R 57,897 200
				R 65,42,397 200
Subtract 10% as per contract				R 6,54,240 200
				R 58,88,157 200
				
30.01.2021				30.01.2021
J. E.				AE

Continuation