

MMGSY-NDB Sanjay Jha ke Ghar to Sri Ram Pathak
ke Ghar tak

Measurement Book

Schedule XLV-Form No. 134



ग्रामीण कार्य विभाग

DIVISION

कार्य प्रमैडल बेमसंड

ग्रामीण कार्य विभाग

SUB-DIVISION

कार्य अवर प्रमैडल रन्नीसौदपुर

MUNNA KUMAR SINGH MBNO-554

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:-					
work with 05 years					
maintenance from Sanjay					
The K. K. Chav to Sri					
Ram P. Chav K. Chav					
Tax 40000 mch 14-1428					
Scheme for Year 2023-24					
Agency:-					
Ag. No:-					
Q/O/S:-					

Q/O/C :- 11/08/2024

measurement

Rate of Estg:-

(1) clearing & grubbing

road land 40-9 m
 1000 3m

2 x 64 x 30.00 x 1.00 = 3840.00 m²

2 x 1 x 9.00 x 1.00 = 18.00 m²

3858.00 m²

sq 0.39 m²

2.) P/F of concrete

B.M. & reference pillars

Sch. XLV-Form No. 134

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

to - a - R - L
S L

R. 2 - 0.2 m - (9)

R/P/Km = 0.2 m - (5)

(3) Excavation for Road

work in soil with
hydraulic excavator

from 0.00 km - 0.40 km

LHS $2 \times 1 \times 22.0 \times 0.375 \times 0.10 = 0.73 \text{ m}^3$

RHS $1 \times 1 \times 22.0 \times 0.375 \times 0.10 = 0.82 \text{ m}^3$

$2 \times 7 \times 30.0 \times 0.375 \times 0.10 = 15.75 \text{ m}^3$

$2 \times 1 \times 18.0 \times 0.375 \times 0.10 = 1.35$

total = 18.70 m

(4) P/S cut typical masonry bridge

to - h

MS = 0.1 m

CIB = 0.1 m

0.2 m

Rate of Entry -

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Rate of entry: -					
① cont. of embankment					
with materials obtain					
from borrow pit					
for p/correction (pot-patch)					
from ca 0.35m - 1.9291m					
1x 10.5 x 2.10 x 0.30					- 6.62m ³
1x 12.90 x 2.30 x 0.15					- 6.18m ³
1x 29.5 x 3.10 x 0.20					- 17.98m ³
1x 22.30 x 2.35 x 0.35					- 15.72m ³
1x 2.70 x 1.20 x 0.4					- 0.65m ³
1x 12.20 x 1.25 x 0.20					- 4.27m ³
1x 12.20 x 1.90 x 0.15					- 4.85m ³
1x 1.90 x 1.90 x 0.20					- 0.53m ³
1x 24.30 x 1.60 x 0.20					- 7.78m ³
7x 4.80 x 1.90 x 0.20					- 9.91m ³
1x 12.90 x 3.75 x 0.30					- 20.14m ³
2x 11.50 x 1.90 x 0.20					- 25.74m ³
1x 28.00 x 2.40 x 0.25					- 16.80m ³
2x 22.0 x 1.5 x 0.30					- 10.08m ³
1x 4.5 x 1.20 x 0.20					- 1.08m ³
5x ^{2.20} 22.0 x 1.90 x 0.20					- 3.68m ³
2x 4.80 x 1.25 x 0.20					- 2.40m ³
					Actual - 153.35m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Level 000 m				9.65 m ³ (9)	
Level 000 m				143.70 m ³ (6)	
(2) E/W in excavation for structure -					
for 03 nos HP 1200 mm cutw.					
3 x 2 x 6.95 x 1.40 x 1.50				81.23 m ³	
(3) 1/2 PCC W/S (1:2.5:5) in travelling canal for 03 nos 1000 HP cutw.					
3 x 2 x 6.95 x 1.90 x 0.15				8.13 m ³	
(4) est. of G.S.B. - I - in section 1h for cc portion.					
Qty same as item no. 03 at Twp, P-02				18.70 m ³ (9)	
for 8/correction.					
11 x 0.40 x 0.60 x 0.10				0.90 m ³	
14 x 0.45 x 0.45 x 0.10				0.78 "	
3 x 0.90 x 0.90 x 0.075				0.55 "	
6 x 1.25 x 0.60 x 0.10				0.95 "	
10 x 0.75 x 0.45 x 0.10				0.51 "	
6 x 0.90 x 0.90 x 0.10				0.99 "	
4 x 1.90 x 1.40 x 0.10				1.06 "	
Continuation				3.79 m ³ (6)	

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Tank 2	9.4		(9) + (6)		
			$= (18.70 + 3.75) m$		
			$= 22.45 m$		
					
Rate of entry:- (1) P/L 15/c WBM - III → → m/h					

for cc portion

from o.w. = 0.275 m

Start point

$$1 \times 1.80 \times \frac{4.10 + 3.20}{2} \times 0.075 = 0.53 m^3$$

$$8 \times 30.00 \times 3.75 \times 0.075 = 67.5 m^3$$

$$1 \times 8.20 \times 2.85 (av) \times 0.075 = 2.37 m^3$$

70.40 m³

(2) ent. of subgrade

earth depth - 4

→ m

5 m

→ + →

5

for BT portion

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 15.0 \times 30.0 \times \frac{6.82 + 7.72}{2}$					
				$\times 0.30$	$- 982.125 \text{ m}^3$
$1 \times 15.0 \times 30.0 \times \frac{6.82 + 7.72}{2}$				$\times 0.30$	$- 982.125 \text{ m}^3$
$1 \times 25 \times 30.0 \times \frac{6.82 + 7.72}{2}$				$\times 0.30$	$- 1309.50 \text{ m}^3$
$1 \times 15.0 \times 30.0 \times \frac{6.82 + 7.72}{2}$				$\times 0.30$	$- 982.125 \text{ m}^3$
				total	$982.125 - 3273.75 \text{ m}^3$

(3) cost of excavation

brick masonry (1/4)

in head wall

for 03 no 1000 g HP cm

$$3 \times 2 \times 6.15 \times \frac{1.35 + 0.45}{2} \times 2.50 = 78.97 \text{ m}^3$$

also for pipe

$$3 \times 2 \times \frac{\pi}{4} \times (1.23)^2 \times 0.122 = 4.94 \text{ m}^3$$

74.10 m³

(4) E/C in excavation for

structure - 6

for 03 no HP 1000 mm HP

below pipe

$$3 \times 4.85 \times 1.53 \times 0.365 = 8.12 \text{ m}^3$$

$$\text{Cement 9 kg } \times 2 \text{ m}^3, 0.09, \text{ item } - 0.24 - 81.27 \text{ m}^3$$

89.39 m³

(5) p/v m/s as per

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Causeway					
for 0.3 m HP culvert 1000mm					
$3 \times 5.81 \times 1.53 \times 0.25$					6.67 m ³
canal pto near TMB, P-04, item-34					8.13 m ³
					14.80 m ³
i) P/L Rec R/W MP3					
for culverts 1000mm dia					
for SW					
for 0.3 m HP culverts 1000mm					
$3 \times 3 \times 2.0$ mtr					22.50 m ³
JK					
Date of Entry: —					
① cont. of G.T.B.-I by					
providing well gradient					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
for BT portion					
1 x 10 x 30.00 x 4.05 x 0.20					243.00 m ³
1 x 08 x 30.00 x 4.05 x 0.20					145.20 m ³
1 x 30 x 30.00 x 4.05 x 0.20					486.00 m ³
1 x 15 x 30.00 x 4.05 x 0.20					364.50 m ³
1 x 4 x 30.00 x 4.05 x 0.20					97.20 m ³
1 x 1 x 30.00 x 4.05 x 0.20					23.99 m ³
					1359.99 m ³

(2) 3/4 (1.4) 1m parapet					
— 40 — 5 m h					
30 x 52					55.10 m ³

for 0.3 m HP 1000 mm dia					
3 x 2 x 6.15 x 0.40 x 1.20					17.71 m ³
carry over from p. 06, item-03					74.10 m ³
					91.81 m ³

(3) plastering with C.D. (1:4)					
on brick work — 40 — 5					
for 0.5 m HP 1000 mm dia					
0.5 m					108.12 m ²
3 x 2 x 6.15 x 0.40 x 1.20					89.40 m ³
I/s 3 x 2 x 4.15 x 1.20					44.28 m ³
Top 3 x 2 x 6.15 x 0.40					14.76 m ³
ento 3 x 4 x 0.40 x 1.20					5.76 m ³

Sch. XLV-Form No. 134

11

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1/3) clearing & grubbing road land to - 2 from - 1 9th side TMB, P-01, item-01 0.35 km @ 10 72718.80 / km to 283600					
(2/4) Excavation for road work in road to - 2 from - 1 9th side TMB, P-02, item-03 18.70 m ³ @ 10 103.85 / m ³ to 1992.00					
(3/6) cost of embankment with materials obtained from (borrow pit 1000 m) 9th side TMB, P-03, item-1(9) 9.65 m ³ @ 10 260.32 / m ³ to 251200					
(4/7) cost of embankment with materials obtained from borrow pit - (land 1000 m) - to - 9th side TMB, P-03, item-1(6) 143.70 m ³ @ 10 209.10 / m ³ to 3010500					
(5/8) cost of subgrade & earth shoulder to - 2 m to from - 1 3273.75 m ³ @ 10 TMB, P-05, item-02 476.80 m ³ @ 10 TMB P-10, item-03 3950.55 m ³ @ 10 263.86 / m ³ to 104239200					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6/17) Cont of C/S B-I - do -					
on the face of slab					
22.47 m ² etc TMB, P-04, item-01					
1359.99 m ³ etc TMB, P-04, item-01					
1382.48 m ³ (7) 3158.33/m ³ 436632					
(7/10+15) P/L/S/C work - II					
on the face of slab					
70.90 m ² etc TMB, P-05, item-01					
121.595 m ² etc TMB, P-09, item-02					
191.995 m ³ (8) 186.38/m ³ 304366					
(8/16) Cont. of TMB reinforcement					
CC m ³ 30 pcc m ³ 15					
9.19 m ² etc TMB, P-09, item-01					
150.19 m ² (9) 9167.62/m ² 1376885					
(9/10) P/L of typical walls,					
board with 'Logo' - do -					
on the face of slab					
9.19 m ² etc TMB, P-02, item-04					
02 m ² (10) 11615.29/m ² 23231					
(10/11) E/W in excavation					
for structure - do -					
on the face of slab					
9.19 m ² etc TMB, P-06, item-04					
89.39 m ³ (11) 383.78/m ³ 34261					
(11/12) P/L pcc m ³ 15 (1:2:5) as					
leveling course - do -					

Continuation

Continuation
of 11-22-79