

CU DMA

mmgsy (Awseesh) NDB

Schedule XLV-Form No. 134

Pakge No: - mmgsy (Awseesh) NDB - BRPP-2 - 439 Tekan

Alipus Garamin Path to Shitalgash

F. E. R. W. D

TIKARI

DIVISION

A. E. R. W. D

TIKARI

SUB-DIVISION

Agency: - Trikenawasi Inbra-tech Pvt. Ltd.

1092

Tekan

MEASUREMENT BOOK

1st on RA/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.	
Name of work - Alipur Garamin Path to shitalgarh					
Agency - Trikota wasini Infratech Pvt. Ltd.					
Agreement no - 3 SBD/mmmsy/awsch/NOB/2024-25					
Date of start of work - 18/06/2024					
Date of completion - 17/06/25					

Measurement

1. Setting out pillars
Providing & fixing of working benchmark pillars - do -
(i) Benchmark pillars - amt = 1 No.
(ii) Reference pillars - amt = 3 No.
- ② clearing & grubbing road
Land - do -
 $2 \times 632 \times 1.0 = 1264 m^2$
 $= \frac{1264}{10000} = 0.13 \text{ hect}$
 $\therefore \text{amt} = 0.13 \text{ hect}$
- ③ Box cutting
Excavation for roadway in soil - do -
 $2 \times 132 \times 0.50 \times 0.10 = 13.20 m^3$
- ④ construction of embankment with material obtained from borrow pits

Continuation
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P.T.O



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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		21 X 30 X 6	70 X 0.30		1266.30 ²
(i) For 1000 m lead					
		30% of 1266.30			379.89m ³
		2 X 30 X 6.5 X 0.30			117m ³
			Total		496.89m ³
		Limit to			492.42 ³
(ii) For 100 m lead					
		70% of 1266.30			886.41m ³
		Limit to			772.58m ³
⑤ const. of subgrade and earthen shoulders					
		do			
		2 X 20 X 25 X 1.50 X 0.10			150m ³
		2 X 20 X 25 X 1.30 X 0.10			130m ³
					280m ³
(i) For 1000 m lead					
		30% of 280			84m ³
		2 X 132 X 0.90 X 0.075			17.82m ³
			Total		101.82m ³
(ii) For 100 m lead					
		70% of 280			196m ³
⑥ const. of granular subbase					
		do			
B.T. prism	2	0 X 25 X 3.750 X 0.10			187.50m ³
C.C. prism	1	0 X 5 X 3.0 X 0.10			15m ³
		2 X 132 X 0.5 X 0.10			13.20m ³
Profile correction	4	5 X 3.0 X 0.10			6.0m ³
		3 X 5 X 0.5			
extra widening	3	5 X 0.25 X 0.10			0.375m ³
			Total		222.075m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ WBMgc-III					
Providing, laying, spreading and compacting stone aggregates — do —					
					140.625 m^3
$20 \times 25 \times 3.75 \times 0.075$					$= 140.63$
$1 \times 132 \times 3.75 \times 0.075$					$= 37.13 \text{ m}^3$
					$= 37.125 \text{ m}^3$
$3 \times 5 \times 0.25 \times 0.075$					$= 0.281 \text{ m}^3$
					$\text{Total} = 178.031 \text{ m}^3$
					$\text{Total} = 178.031$

⑧ construction of un-reinforced plain cement concrete pavement — do —

$5 \times \left(\frac{3.6 + 3.7}{2} \right) \times 0.16$	$= 2.92 \text{ m}^3$
$10 \times \left(\frac{3.7 + 4.0}{2} \right) \times 0.16$	$= 6.16 \text{ m}^3$
$5 \times \left(\frac{4.0 + 3.6}{2} \right) \times 0.16$	$= 3.04 \text{ m}^3$
$5 \times \left(\frac{3.6 + 3.3}{2} \right) \times 0.16$	$= 2.76 \text{ m}^3$
$10 \times \left(\frac{3.3 + 3.7}{2} \right) \times 0.16$	$= 5.60 \text{ m}^3$
$30 \times \left(\frac{3.7 + 3.8}{2} \right) \times 0.16$	$= 18.0 \text{ m}^3$
$30 \times \left(\frac{3.8 + 3.75}{2} \right) \times 0.16$	$= 18.12 \text{ m}^3$
$30 \times 3.80 \times 0.16$	$= 18.24 \text{ m}^3$
$7 \times \left(\frac{3.65 + 3.80}{2} \right) \times 0.16$	$= 4.172 \text{ m}^3$
extra widening $5 \times 5 \times 0.25 \times 0.16$	$= 1.0 \text{ m}^3$
	$\text{Total} = 80.012 \text{ m}^3$
Limit to	79.99 m^3

Continuation

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

(9) Earthwork in excavation					
for structure — do —					
H.W.	2	3.90	1.150	1.50	= 13.455 m ³
below pipe	1	5.350	1.130	0.365	= 2.207 m ³
			Total		15.662 m ³
for 2 H.P. culvert —					
	2	15.662			= 31.324 m ³
			∴ ent		= 31.324 m ³

(10) Providing m-15 or					
levelling course in					
foundation — do —					
	2	3.90	1.150	0.150	= 1.345 m ³
below pipe	1	5.311	1.130	0.250	= 1.50 m ³
less for pipe		0.250	0.7857	0.830	² 5.849 = 0.791 m ³
			Total		2.054 m ³
for 2 H.P. culvert					
	2	2.054			= 4.108 m ³
			∴ ent		= 4.108 m ³

(11) Providing concrete for					
plain/reinforced concrete					
in open found. — do —					
	2	3.60	0.70	2.780	= 14.011 m ³
	2	3.60	0.40	0.60	= 1.728 m ³
less for pipe	2	0.7857	0.830	0.530	² 0.574 m ³
			Total		15.165 m ³
for 2 H.P. culvert					
	2	15.165			= 30.33 m ³
			∴ ent		= 30.33 m ³

Continuation

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Continuation

Abstract of cost

Schedule XLV—Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
1. <u>Setting out pillars</u> <u>do</u>					
(i) <u>Benchmark pillars</u>					
ant = 1.0 No. P-①					
item-1(i) @ Rs 4317.92					
					Rs 4318=
(ii) <u>Reference pillars</u> <u>do</u>					
ant = 3 No. P-①					
item-1(ii) @ Rs 1989.66					
					Rs 5969=
2. <u>clearing & grubbing road</u> <u>Land — do —</u>					
ant = 0.13 hect P-①					
item-② @ Rs 76947.02					
					Rs 9695=
③ <u>Box cutting</u> <u>do</u>					
ant = 13.20 m ³ P-①					
item-③ @ Rs 190.23 = Rs 2511=					
④ <u>const. of embankment with material obtained from borrow pits</u> <u>do</u>					
(i) <u>For 1000 m lead</u>					
ant = 492.42 m ³ P-②					
item-4(i) @ Rs 258.72 = Rs 127398					
(ii) <u>For 100 m lead</u>					
ant = 410.772.58 P-②					
item-4(ii) @ Rs 185.97 =					
					Rs 143677=
⑤ <u>const. of subgrade & earthen shoulder</u>					

Continuation

do

Schedule XLV--Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	

5 (i) For 1000 m lead
 amt = 101.82 m³
 P- (2) item - 5 (i)
 @ Rs 313.12 = Rs 31882 =

(ii) For 100 m lead
 amt = 196 m³ P- (2)
 item - 5 (ii)
 @ Rs 226.16 = Rs 44327 =

6 const. of granular
 subbase — do —
 amt = 222.075 m³ P- (2)
 item - (6) @ Rs 1956.83 =
 Rs 528403 =

7 WBM gr - III
 — do —
 amt = 178.031 m³ P- (3)
 item - (6) @ Rs 3372.97 =
 Rs 600493 =

8 const. of un-reinforced
 plain cement concrete
 pavement — do —
 amt = 79.99 m³ P- (3)
 item - (8) @ Rs 683 1.15 =
 Rs 546424 =

9 Earthwork in excavation
 — do —
 amt = 31.324 m³ P- (4)
 item - (9) @ Rs 405.80 =
 Rs 12711 =

10 Providing m-15 as
 levelling course in
 found. — Continuation

Continuation