

3/30-33

Measurement Book

SUB-DIVISION

DIVISION

Schedule XIV-Form No. 134

ARMED FORCES

P.T.B.M.O.-3318

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work-	Tarwari ke				
charmuthani se amprakash					
Singh ke wihar se mangali					
Sima, Nut ke Bathan tak					
Name of Agency-	Bahrauli				
construction (Propri. Prem					
Sagar Singh)					
Date of start of work-	29/07/2020				
Date of completion-	28/04/2021				

agreement no - 62 SBD 2020-2021

Measurement

1. Setting out pillars

Providing & fixing of working

bench mark pillars - do -

$$\text{dist} = 0.860 \text{ km}$$

2. Clearing and grubbing

Road Canal - do -

as per tech. specification

$$2 \times 28 \times 30 \times 2 = 3360 \text{ m}^2$$

$$2 \times 20 \times 2 = 80 \text{ m}^2$$

$$\text{Total } 3440 \text{ m}^2$$

$$\frac{3440 \text{ m}^2}{10000} = 0.34 \text{ Hect}$$

Continuation

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ Box cutting					
Excavation for roadway					
in soil - do -					
④ flexible road					
$2 \times 8 \times 2.5 \times 0.525 \times 0.1 = 21.0 \text{ m}^3$					
$2 \times 1.5 \times 0.525 \times 0.1 = 1.575 \text{ m}^3$					
Total 22.575 m^3					
⑤ construction of embankment with approved material deposited from roadway					
do -					
$30 \times 0.9 \times 0.9 = 24.3 \text{ m}^3$					
Limit to 22.55 m^3					
⑥ const. of embankment with material obtained from borrow pits as per tech. specification					
For 1000m level					
$6 \times 2.5 \times 1.25 \times 0.90 = 168.75 \text{ m}^3$					
Limit to 168.01 m^3					
⑦ const. of cut & grade and earthen shoulders as per tech. specific.					
do -					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
On flexible road					
Full width					
17 X 25 X 6 X 0.3 =					765 m ³
1 X 20 X 6 X 0.3 =					36 m ³
Earthen shoulder					
side of GSB					
2 X 17 X 25 X 0.975 X 0.20 =					165.75 m ³
2 X 20 X 0.975 X 0.20 =					7.8 m ³
side of GSB					
2 X 8 X 25 X 0.975 X 0.10 =					39.0 m ³
2 X 15 X 0.975 X 0.10 =					2.925 m ³
side of WBM					
9 X 20 X 0.10 =					1.8 m ³
2 X 33 X 20 X 1.125 X 0.075 =					111.375 m ³
On rigid road					
Total					1127.85 m ³
(7) construction of granular					
subbase by providing					
coarse graded material					
— do —					
as per tech. specification					
GSB in full width					
8 X 25 X 4.050 X 0.10 =					81.0 m ³
1 X 15 X 4.050 X 0.10 =					6.075 m ³
GSB in widening					
2 X 8 X 25 X 0.525 X 0.1 =					21.0 m ³
2 X 15 X 0.525 X 0.1 =					1.575 m ³

Continuation

Particulars	Details of actual measurement				Contents of area,
	No.	L	B	DDI	
<u>GB in earth portion</u>					
	1.7	\times	2.5	\times	4.050 \times 0.20 = 344.25m ³
	1	\times	2.0	\times	4.050 \times 0.20 = 162.0m ³
<u>For profile correction</u>					
	4	\times	4	\times	3 \times 0.1 = 4.80m ²
	10	\times	3	\times	0.1 = 9.0m ²
					Total 483.90m ³

(8)	Wing - LT
<u>Providing, laying, spreading and compacting stone</u>	

<u>aggregates of specific size to water bound macadam</u>					
<u>- do</u>					
<u>as per tech. specification</u>					
	6	\times	3.3	\times	2.0 \times 3.75
	10	\times	3.0	\times	3.75 \times 0.075 = 84.375
	6	\times	3.0	\times	3.80 \times 0.075 = 51.30
	6	\times	3.0	\times	3.85 \times 0.075 = 51.975
					Total 187.65m ³

(9)	Providing and fixing
<u>Logo of project</u>	
<u>Providing and fixing of typical informative sign board with logo</u>	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
as per tech. specification					
providing and fixing					
Logo of project =					1 NO.
citizen information board =					1 NO.
					2 NO.

(10) Providing and laying

of reinforced cement

concrete pipe duct

300 mm dia.

do

as per tech. specifi-

cant = 8.0m

Watingh
17/02/2021

RP Soni
17-2-2021

17/02/2021

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C.E.
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Abstract of cost

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. Setting out pillars					
—	—	do	—	—	
Qnt = 0.860 km wide TMB					
Page - (1) item - (1)					
@ Rs 605.199 /km = Rs 520.42					
2. Clearing and grubbing					
road land — do —					
Qnt = 0.34 Hectare					
Page - (1) item - (2)					
@ Rs 511.33.76 /Hect =					
Rs 175.90 =					
(3) Box cutting					
excavation for roadway					
in soil — do —					
Qnt = 22.575 m ³					
Page - (2) item - (3)					
@ Rs 126.24 /m ³ = Rs 2850 =					
(4) const. of embankment					
with approved material					
— — do —					
Qnt = 22.55 m ³					
Page - (2) item - (4)					
@ Rs 88.36 /m ³ = Rs 1992 =					
(5) const. of embankment					
with material					
— — do — —					

Continuation

27636 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qnt = 168.75 m ³					168.01 m ³
Page - (2) item - (5)					
@ Rs 1841.30/m ³					= Rs 30964/-
(6) const. of subgrade and earthen shoulders					
— — do —					
Qnt = 1127.85 m ³					
Page - (3) item - (6)					
@ Rs 210.88/m ³					= Rs 23784/-
(7) const. of granular subbase — do —					
Qnt = 483.90 m ³					
Page - (4) item - (7)					
@ Rs 3548.82/m ³					= Rs 1717274/-
(8) WBm gr - 14 providing, laying spreading and compacting					
— — do —					
Qnt = 187.65 m ³					
Page - (4) item - (8)					
@ Rs 4301.87/m ³					= Rs 807246/-
(9) Providing and fixing wires project					
Qnt = 2 Nv					
Page - (5) item - (9)					

Continuation

28209612

Sch. XLV-Form No. 134

Continuation