

MINGSY (SC)

# Schedule XLV-Form No. 134

MAIN Road Nunki tola go dham kurhar main  
Road to Sorka tola

गारीब लाली गोदामी प्रभास घासी

DIVISION

ज्याजीला लाली गोदामी प्रभास SUB-DIVISION

लोखणा

Measurement Book

-2278

Agency:- Mala Sinha Ji

Sch. XLV—Form No. 134

ग्रामीण नगरी किलोमीटर प्रमाणित पुस्तक  
DIVISION

ग्रामीण नगर प्रमाणित पुस्तक SUB-DIVISION

# Measurement Book

No. 2278

Name of Officer

श्री राम कुमार सत्याग्रह

शासामन्त्र अधिकारी ग्रामीण नगर प्रमाणित पुस्तक

Date of first entry

Date of last entry

# 1<sup>st</sup> 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 :-	construction of road				
	8 concrte with maintenance				
	main Road Nalha tala				
	broadband kharar main road				
	to Serka tala under mohiy				
N/Agency :-	Mala Sihla, Shekar				
Agreement No -	778BD of 2019-20				
date of commencement :-	29-07-20				
date of completion :-	20-11-20				

## RECORD OF MEASUREMENT

(1/1) Providing & fixing of  
working benchmark pillar

(a) working benchmark

$$\text{Qty} = 0.31 \text{ cm}$$

(b) Reference pillar

$$\text{Qty} = 0.3 \text{ km}$$

(2/2) clearing & grubbing  
Road land etc

$$2 \times 955 \text{ m} \times 3.5 \text{ m} = 6308.7 \text{ sq m}$$

$$6308 / 10000 = 0.63 \text{ Ha}$$

$$\text{Qty} = 0.63 \text{ Ha}$$

Continuation

3<sup>rd</sup> and 4<sup>th</sup> Bill

16

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
H/W: - Centre of road 24					
Works with maintenance					
Main Forest Bunka tala					
Without further Major					
Road to Serha tala					
Under minor					
H/Ramp: - Main Sunka at Sheohar					
Agreement no.: 7738D of 2013-20					
Date of Commencement: - 23-02-20					
Date of Completion: - 28-11-20					

Working Dunes

Earth work copy sheet

SL No.	CH	Area	Mean Area	Digging	Volume
1	0.00	1.285			
2	56.00	2.638	1.923	50	86.45
3	100.00	2.03	2.405	50	124.22
4	156	2.64	2.97	50	130.5
5	200	2.17	2.4	50	126.425
6	250	1.93	2.08	50	102.59
7	300	4.83	3.23	50	161.7
8	350	4.43	4.486	50	224.3
9	400	4.03	4.66	50	233.15
10	450	3.18	3.42	50	251.2
11	500	3.23	3.19	50	253.67

Continuation

## Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12	550	5.32	5.27	50	263.87
13	600	5.22	5.27	50	263.65
14	650	5.16	5.19	50	259.75
15	700	5.96	5.56	50	278.35
16	705	0.49	3.23	5	16.16
17	708	0.651			0.00
18	750	2.18	1.41	42	59.49
19	800	2.038	2.11	50	105.5
20	850	1.81	1.925	50	96.22
21	902	2.033	1.92	52	99.94
					Total QTH = 3145.14 m <sup>3</sup>
					Deducted =
					498 m <sup>3</sup> = 447.01 m <sup>3</sup>

$$WBM = ( ) 256.81$$

$$PCC = ( ) 235.18$$

$$MSS = 34.42 m^3$$

$$Net = 2181.72 m^3$$

(2/4) Constr. of embankment

With material obtained  
from borrowpit etc.

(a) Lead 1000m.

$$QTH = 760.61 m^3$$

$$102.8 \text{ previous} = ( ) 549.45$$

$$QTH with 70mB$$

$$P = 12 = 211.16 m^3$$

(b) Lead 160m

Continuation

## Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$\Omega H = 108.07 m^3$
Less Previous					$= (-) 73.85 m^3$
$\Omega H$ available P. 12					
					Net = $34.22 m^3$

(2/5) Constr. of Subgrade

earthen shoulder etc.

$$\Omega H = 1263.04 m^3$$

$$\text{Less Previous } \Omega H = (-) 877.5$$

$$\text{Available } P. 15$$

$$\text{Net} = 385.54 m^3$$

(3/6+1) Constr. of Intermediate

Sub-base by providing

well graded material etc.

m pcc  $2 \times 30m \times 0.30 \times 0.1m = 2.28 m^3$ 

$$2 \times 13m \times 0.5m \times 0.1m = 1.9$$

$$\text{Profile correct} - 12 \times 1.5m \times 1.5m \times 0.1m = 2.7$$

$$\Omega H = 6.80 m^3$$

(4/7+12) P/v laying spreading

2 Compacting of  $6B M-15$ 

$$30m \times (3.3 + 3.0) \times 0.075m = 8.66 m^3$$

$$13m \times (3.0 + 4.2) \times 0.075 = 5.7 m^3$$

$$\Omega H = 14.3 m^3$$

~~(a) Previous  
7-10-10  
3E~~ ~~(b) Continuation  
All~~

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(S/13) Constn. of un-reinforced plain cement Concrete Pavement etc.					
		$30\text{m} \times (3.3 + 3.0) \times 0.16 = 10.48\text{m}^2$			
		$\frac{1}{2}$			
		$19\text{m}^2 \times (3.8 + 4.2) \times 0.16 = 12.16\text{m}^2$			
		$\frac{1}{2}$			
		$\text{QTY} = 30.64\text{m}^2$			
		<del>AB</del>			
		<del>10.48</del>			
		<del>12.16</del>			
		<del>42.64</del>			
(S/8) P/v 2 applying primer					
		Coat with Bitumen emulsion			
(SS-1) On prepared surface					
		of granular base			
		$11 \times 30\text{m} \times 3.75\text{m} = 1137.5\text{m}^2$			
		$20 \times (5+4.5) \text{m} = 35\text{m}^2$			
		$\frac{1}{2}$			
		$10\text{m} \times 3.75\text{m} = 37.5\text{m}^2$			
		$16 \times (5+4.5) \text{m} = 47.5\text{m}^2$			
		$\frac{1}{2}$			
		$20\text{m} \times 3.75\text{m} = 75\text{m}^2$			
		$30\text{m} \times 3.0\text{m} = 114\text{m}^2$			
		$30\text{m} \times 3.75\text{m} = 112.5\text{m}^2$			
		<del>AB</del>			
		$\text{QTY} = 1719\text{m}^2$			
		<del>10.48</del>			
		<del>12.16</del>			
		<del>42.64</del>			
(T/2) P/v 2 applying paint					
		Coat with bitumen emulsion			
		etc.			
		$\text{QTY same as item no-42}$			
		Continuation			

San  
 Prevo  
 1-11-20  
 JE

R.H.  
 03.11.20  
 AB

## Sch. XLV-Form No. 134

20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5/10) $\varnothing t_4 = 1719 \text{ m}^2$					
(6/10) P/v, laying & rolling of close graded frames					
Surfacing of mss etc					
Qty same item no - A/10					
$\varnothing t_4 = 1719 \text{ m}^2$					
(7/14) Reinforced cement					
Concrete m-15 grade Km					
Local stone etc					
Hj Km stone					
$\varnothing t_4 = 240$					
(ii) 20cm stone					
$\varnothing t_4 = 4 \text{ No.}$					
(10/15) Reinforced cement					
Concrete m-15 grade					
boundary pillars etc					
$\varnothing t_4 = 3 \times 20 = 60 \text{ No.}$					
$\varnothing t_4 = 60 \text{ No.}$					
(11/16) P/v & fixing of retro reflective cautionary					
mandatory & informative					
Sign board etc					

Continuation

Sur  
P/v  
10-11-10  
JE

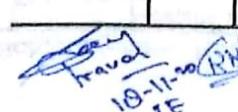
R.K.D.P.  
10.11.20  
KAB

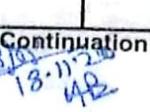
## Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(a) 600mm circular					
		$QTY = 8 \text{ Nos}$			
(b) 300mm equilateral					
		8 triangle			
		$QTY = 4 \text{ Nos}$			
(c) 600mm x 450mm					
		$QTY = 4 \text{ Nos}$			
(D/17) P/v & laying of					
hot applied thermoplastic					
plastic compound 2.5					
mm thick etc					
		$2 \times 450 \times 0.1 = 90 \text{ m}^2$			
		$QTY = 90 \text{ m}^2$			
(B/18) P/v & laying of					
hot applied thermoplastic					
Compound 2.5mm thick					
on concrete Surface					
$2 \times 449 \text{ m} \times 0.1 \text{ m} = 89.8 \text{ m}^2$					
		$QTY = 89.8 \text{ m}^2$			
(M/19) Plastering of tree by					
the rough State in 0.6m					
dia holes etc					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$0.45 \times 50 \times 2 = 45 \text{ m}^3$
					$\text{Q.t} = 45 \text{ Nos.}$
(15/21) P/v 2 erecting direction					
2 places identifier system					
retro reflectorised					
Sign as per etc					
					$\text{Q.t} = 1 \text{ No.}$
(16/22) P/v 2 fixing of					
typical survey information sign board					
etc					
Logo identifier sign					
board = 1 No.					
Citizen Information board					
					= 1 No.
Maintenance board = 1 No					
					$\text{Q.t} = 3 \text{ No.}$
(17/23) Brick Masonry					
Work in cement mortar					
1:3 in Parapet etc.					
$2 \times 6.5 \times 0.4 \times 0.6$					
					$= 3.12 \text{ m}^3$
					$\text{Q.t} = 3.12 \text{ m}^3$

  
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 18-11-2013  
 JE

  
 Continuation  
 18-11-2013  
 MR

23  
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10/24) P/c m-20 architectural drawing on the top of wall wall $2 \times 6.5 \text{ m} = 13 \text{ m}$					
(13/25) Plastering with Cement mortar 1:4 etc					
S/face $4 \times 6.5 \times 0.6 = 15.6$					
T/face $2 \times 6.5 \times 0.4 = 5.2$					
F/face $4 \times 0.4 \times 0.6 = 0.96$					
				$15.6 + 5.2 + 0.96 = 21.76 \text{ m}^2$	

Carry forward	CR 13/24
24-11-20	AB
3E	

Continuation

24  
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
(1/1) N/V & Fixing of working benchmarks etc.					
(a) Working benchmarks					
QTY (Proc.) value TMB P-11					
QTY = 0.9 km					
@ ₹ 4350/- /km → ₹ 3923/-					
(b) Reference pillars					
QTY (Proc.) value TMB P-11/m					
QTY = 0.9 Km					
@ ₹ 200/- m → ₹ 1812/-					
(2/2) Clearing & grubbing Road Land etc.					
QTY (Proc.) value TMB P-12					
QTY = 0.43 Ha					
@ ₹ 4973/- Ha → ₹ 31336/-					
(3/3) Excavation for roadway in soil using manual means etc.					
QTY (Proc.) value TMB P-12					
QTY = 26.25 m <sup>3</sup>					
@ ₹ 81/- m <sup>3</sup> → ₹ 2132/-					
(4/4) Constr. of embankment					
Continuation					

25  
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
<u>With material offloaded</u>						
<u>from bottom pit etc</u>						
(a) 100 m. Lead						
545.45 m <sup>3</sup> (Prob) <del>white sand</del>						
Q/H visible TMB P = 13						
Q/H = 760.61 m <sup>3</sup>						
@ £ 107 = 51/m <sup>3</sup> — £ 142622.200						
(b) 100 m. Lead						
Q/H visible TMB P = 12						
Q/H = 108.07 m <sup>3</sup>						
@ £ 142.62/m <sup>3</sup> — £ 15412.200						
(5/5) Constr. of subgrade						
2 earth & shoulder						
etc						
Q/H visible TMB P = 18						
Q/H = 1263.65 m <sup>3</sup>						
@ £ 125 = 33/m <sup>3</sup> — £ 239207.200						
(6/6+1) Constr. of embankment						
Sub-base by providing						
(all) general material etc						
440.13 m <sup>3</sup> Q/H (Prob) visible TMB P = 13						
6.80 m <sup>3</sup> Q/H visible TMB P = 18						
447.01 m <sup>3</sup> Q/H @ £ 2036 = 89/m <sup>3</sup> — £ 126773.020						
(7/7+2) P/v, laying, spreading						
Continuation						

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 Compacting of $w B M - 17$					
$242.51 \text{ m}^3 @ 0.84 \text{ (P+e)} \text{ voidage P.B}$					
$14.3 \text{ m}^3 @ 0.71 \text{ voidage P.B P-19}$					
$256.81 \text{ m}^3 @ 2.3452 = 0.81/\text{m}^2 \times 88651 =$					
(8/8) $\pm 1\%$ & applying prime					
Coat with Bitumen					
emulsion (SS-1) etc.					
$QH_1 \text{ via P.B P-19}$					
$QH_1 = 1719 \text{ m}^2$					
$@ \text{ ₹ } 51 = 81/\text{m}^2 \longrightarrow \text{ ₹ } 89061 =$					
(9/9) $\pm 1\%$ & applying tank					
Coat with bitumen					
emulsion (RS-1)					
$QH_1 \text{ via P.B P-19}$					
$QH_1 = 1719 \text{ m}^2$					
$@ \text{ ₹ } 17 = 39/\text{m}^2 \longrightarrow \text{ ₹ } 29893 =$					
(10/10) $\pm 1\%$ , laying, rolling					
etc. MSS, etc.					
$QH_1 \text{ via P.B P-20}$					
$QH_1 = 1719 \text{ m}^2$					
$@ \text{ ₹ } 234 = 42/\text{m}^2 \longrightarrow \text{ ₹ } 402368 =$					
(11/13) Constr. of un-reinforced					
Plain cement concrete					
Continuation					

## Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
244.54 <sup>2</sup> @ 4 (ft <sup>2</sup> ) wide TMB P-14					
30.64 m <sup>2</sup> @ 4 wide TMB P-13					
275.16 m <sup>2</sup> @ £ 3044 = £ 2213575=00					
(12/14) Reinforced cement					
Concrete m-15 grade					
1cm Stone					
(i) 1cm stone					
QTY wide TMB P-20					
QTY = 2 Nos					
@ £ 2534 = £ 51/10 — £ 5069 = 00					
(ii) 20mm stone					
QTY wide TMB P-20					
QTY = 4 Nos					
@ £ 692 = £ 51/10 — £ 2770 = 00					
(13/15) Reinforced cement					
Concrete m-15 grade					
boundary filler ab-					
QTY wide TMB P-20					
QTY = 60 Nos					
@ £ 540/10 — £ 32400 = 00					
(14/16) P/v & fixing rods-					
reflexive cast iron					
rodato = 4 & pformation					

Continuation

## Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sign board etc.					
(a) 800mm equilateral					
Q/H = 1.00					
@ £ 5623.50/No. — £ 44983.00					
(b) 900mm equilateral					
8 triangle etc.					
Q/H = 1.00					
@ £ 6223.1/No. — £ 25692.00					
(c) 600mm x 450 mm rectangular					
Q/H = 1.00					
Q/H = 1.00					
@ £ 5460.45/No. — £ 21874.00					
(15/17) P/v 8 laying of hot applied thermoplastic etc.					
Q/H = 1.00					
Q/H = 1.00					
@ £ 850.93/m <sup>2</sup> — £ 76584.00					
(16/18) P/v 8 laying of hot applied thermoplastic etc.					
Q/H = 1.00					
Q/H = 1.00					
@ £ 850.93/m <sup>2</sup> — £ 76584.00					

Continuation

## Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	QTY	at site TMB P - 21			
	QTY = 19.8 m <sup>2</sup>				
	@ ₹ 947 = ₹ 187/m <sup>2</sup>				₹ 18592.00

(17/19) Planting of trees

by the road side etc

QTY at site TMB P - 21

QTY = 46 Nos

@ ₹ 817 = ₹ 1/Nos — ₹ 37600.00

(18/21) P/v &amp; clearing

cleared &amp; place

holes of column notes -

reflectoised etc.

QTY at site TMB P - 22

QTY = 110.

@ ₹ 8556 = ₹ 83/Nos. — ₹ 35557.00

(19/22) P/v &amp; fixing of typical

monkey masonry signs

board etc.

2 Nos. QTY (P/v) at site TMB P - 21

3 Nos. QTY at site TMB P - 22

S Nos. QTY @ ₹ 110/19 = ₹ 75/Nos. — ₹ 53099.00

(20/23) Bricks masonry work

in cement mortar etc.

Continuation

Sch. XLV-Form No. 134 30

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(20) width 7m P-22					
Q <sub>M</sub> = 3.17 m <sup>3</sup>					
@ ₹. 6225 = 15/m <sup>3</sup> ————— ₹ 9435=00					
(21/24) P/v pcc-m-20 and trowel coping on the top of ceiling wall etc					
Q <sub>M</sub> visible TMB P-23					
Q <sub>M</sub> = 13 m					
@ ₹. 470 = 20/m ————— ₹ 6123.200					
(22/25) plastering with cement mortar above					
Q <sub>M</sub> visible TMB P-23					
Q <sub>M</sub> = 21.7 m <sup>3</sup>					
@ ₹ 150 = 26/m <sup>3</sup> ————— ₹ 4302.200					
Total = 5750776.200					
(i) Less 10% below as per agreed					
= ₹ 5350772.00					
(ii) Less previous pay ment visible TMB P-14/15 = ₹ 3955562.200					
Net = 1220137=00					
24/11/2022 AB					
Continuation					