

121.13 NO. 3307

Shedule XLV Form No. 134.

DIVISION

SUB-DIVISION

Measurement Book

7030 W. B. B. Rd.

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work—	chapra	siwan	path		
To Asahi Dusadh tola ke					
Rajan Rai ke Ghar tak					
Name of Agency—	shumbhau	K.R.	Singh		
Agreement no—	76SBD	2020-2021			
Date of start—	06-07-2020				
Date of completion—	05-07-2021				

measurement

1. Setting out pillars

Providing & fixing of working
 bench mark and reference
 pillars — do —

(A) working bench mark

pillars — — — = 1.650 km

(B) Reference pillars = 1.650 km

(2) clearing and grubbing

road land — do —

662 x 25 x 2 x 3.50 =

11550 m² = $\frac{11550}{10000}$ = 1.16 Hect

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ Dismantling of existing structures - - do - -					
Dismantling Brick masonry from culvert					$= 69.32m^3$
④ Dismantling of structures - - do - -					
cement concrete					$= 2.40m^3$
⑤ Removing all types of hume pipe and - - do - -					
A upto 600mm dia					$= 20m$

H.P culvert

⑥ Earthwork in excavation for foundation - - -					
- - do - -					
as per technical specification					
H.W	2	3.9	1.15	0.50	$= 13.455$
Below pipe	1	5.35	1.13	0.365	$= 2.207$
				Total	$15.662m^3$
for 3 No. H.P culvert					
				3×15.662	$= 46.986m^3$

⑦ Providing m-15 P.C.C concrete as levelling course in fard					
- - do - -					
H.W	2	3.9	1.15	0.15	$= 1.3455$
Below pipe	1	5.31	1.13	0.25	$= 1.500$
				Total	$2.846m^3$

for 3 No. H.P culvert
Continuation
 $3 \times 2.846 = 8.538m^3$

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ Brick masonry work in head wall					
as per technical specification					
H.W. 2x 3.60 x 0.70 x 2.180 =					10.987 m ³
Parapet 2x 3.60 x 0.40 x 1.20 =					3.456 m ³
⑨ Lens 2 x 0.7857 x (0.830) ² x 0.530 for pipe					= 0.574 m ³
					total 13.869 m ³
for 3 No. of H.P. culvert					
					3 x 13.869 = 41.607 m ³
⑨ Providing and laying RCC pipe NP-3 for					
culvert - do - -					
3 x 2.50 = 7.50 m					
for 3 No. of culvert					
3 x 7.50 = 22.50 m					
⑩ Plastering with cement mortar on brick work in sub-structure as per tech. specifi					
out side 2x 3.60 x 3.380 =					24.336
inner side 2x 3.60 x 0.600 =					4.320
Top 2x 3.60 x 0.40 =					2.880
Ends 4x 0.70 x 2.180 =					6.104
Ends parapet 4x 0.40 x 1.20 =					1.920
Lens 2x 0.7857 x (0.830) ² =					1.083
APGM					
					total 38.477 m ²
for 3 No. culvert = 3 x 38.477 =					115.431 m ²

Continuation

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Providing 1.5mm cement punning					
as per tech. specification					
Top	2	3.60	0.40		2.880
Ends parapet	4	0.40	1.20		1.920
inner sides	2	3.60	0.60		4.320
			Total		9.120 m ²
for 3 nos. culvert					
	3	9.120			27.36 m ²
(12) Box cutting					
Excavation for roadway					
in soil					
For flexible road					
2	50	25	0.525	0.10	131.25 m ³
(13) const. of embankment					
with material obtained from borrow pits					
as per tech. specification					
(A) For 1000m length					
3	30	1.20	0.90		97.20 m ³
			Umit to		96.31 m ³
(B) For 100m length					
2	12	25	1.1	0.75	49.5 m ³
			Umit to		474.58 m ³

Continuation

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) const. of subgrade and earthen shoulders do as per technical specifications					
(A) m flexible road Earthen shoulder side of GSB					
2 X 50 X 25 X 1.38 X 0.20 =					690.0 m ³
(15) const of granular subbase by providing well graded material do as per tech. specific.					
GSB in widening					
2 X 50 X 25 X 0.525 X 0.10 =					131.25 m ³
GSB in full width					
50 X 25 X 4.05 X 0.10 =					506.25 m ³
Profile correction					
25 X					
5 X 5 X 3.0 X 0.10 =					7.50 m ³
Total					645 m ³
GSingh 21/12/2020 JE					
RPSm'					
24-12-2020					
AE					
Ekmg.					

Continuation

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. Setting out pillars					
Providing & fixing of					
- - - do - - -					
(A) working bench mark pillars					
Qnt = 1.650 km	P- (1)				
item 1(A) @ Rs 3695.91/km					
				= Rs	6098 =
(B) Reference pillars					
Qnt = 1.650 km	Page - (1)				
item 1(B) @ Rs 1708.52/km					
				=	2819 =

(2) clearing and grubbing					
road land - - do - -					
Qnt = 1.16 Hectare	Page - (1)				
item - (2) @ Rs 51133.76 =					
				Rs	59315 =

(3) Dismantling of existing brick structure - - do - -					
Qnt = 69.32 m ³					
Page - (2) item - (3)					
@ Rs 231.77				Rs	16066 =

(4) Dismantling of structure					
- - - do - - -					
cement concrete					
Qnt = 2.40 m ²	Page - (2)				
item - (4) @ Rs 477.18 =				Rs	11452 =

Continuation

C/O Rs 85443 =

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ Removing all types of hume pipe -					
do -					
Ant = 20.40 m					
Page - ② item - ⑤					
@ Rs 176.53 = Rs 3531/-					
H.P. culvert					
⑥ Earthwork in excavation for foundation -					
do -					
Ant = 46.986 m ³					
Page - ② item - ⑥					

@ Rs 272.01/m ³ = Rs 12780/-					
⑦ Providing m-15 PCC concrete as welling course in found -					
do -					
Ant = 8.538 m ³ Page - ②					
item - ⑦ @ Rs 5696.97					
= Rs 48641/-					
⑧ Brick masonry work in head wall - do -					
Ant = 41.607 m ³ Page - ③					
item - ⑧ @ Rs 5364.34					
= Rs 223194/-					

Continuation

40 Rs 373584/-

D/P R₀ 373589=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) Providing & laying RCC pipe NP-3 - - do - -					
Qnt = 22.50 m Page-③					
item - (9) @ R ₀ 2533.43=					
				R ₀ 57002=	
(10) Plastering with cement mortar on brick work - - do - -					
Qnt = 115.431 m ² Page-③					
item - (10) @ R ₀ 145.95/m ²					
				R ₀ 168472	
(11) Providing 1.5 mm cement punning - - do - -					
Qnt = 27.36 m ² Page-④					
item - (11) @ R ₀ 46.28/m ²					
				R ₀ 1266=	
(12) Box cutting Excavation for roadway in soil - - do - - For Juxiabe road					
Qnt = 131.25 m ³ P-④					
item - (12) @ R ₀ 74.16 =					
				R ₀ 9733=	
(13) const. of embankment with material obtained from borrow pits - - do - -					

Continuation / R₀ 458437=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(A) For 1000 m lead					
Qnt = 96.31 m ³ P- (4)					
item - 13(A) @ Rs 175.22					
				= Rs	16875=-
(B) For 100 m lead					
Qnt = 474.58 m ³ P- (4)					
item - 13(B) @ Rs 141.14					
				= Rs	66982=-
(14) const. of subgrade and earthen shoulder					
as per technical specific.					
(14) flexible road					
Qnt = 690.0 m ³ P- (5)					
item - 14(A) @ Rs 176.86					
				= Rs	122033=-
(15) const. of granular subbase by providing well graded material					
Qnt = 645 m ³ P- (5)					
item - (15) @ Rs 3167.09/m ³					
				= Rs	2042773=-
				Total Rs	2707100=-
Add GST - 12% (F) Rs					324852=-
Add Labour cum 1% (F) Rs					27071=-
				Total Rs	3059023

C/o Rs 3059023:

Continuation

material statement

- ① $E/W = 1439.126 m^3$
- ② Stone aggregates = $626.03 m^3$
- ③ Coarse sand = $172.291 m^3$
- ④ Bricks = 20804 No.

~~Working~~
21/12/2020
JE

RP SM
21-12-2020
AE.
Ekma.

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