

121.18 NO - 3344

ਪੰਜਾਬੀ ਸਰਕਾਰ ਦਾ ਫਾਰਮ ਨੰ. 134.
ਸ਼ੇਡੂਲ ਖਲਵ ਫਾਰਮ ਨੰ. 134.
ਪੰਜਾਬੀ ਸਰਕਾਰ ਦਾ ਫਾਰਮ ਨੰ. 134.

Shedule XLV Form No. 134.

DIVISION

Sub-Division

114921

Measurement Book

71.B.NO-3344

3rd on RA/c bill

Col 11

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work -	NH-85 to Hekaam				
	Harijan chhat ghat tak				
Name of Agency -	Vishnu Kumar Pandey				
Agreement no -	25 SBD / 2020-2021				
Date of start of work -	06/07/2020				
Date of completion -	05/07/2021				

Measurement

1. clearing & grubbing					
road land - do					
$2 \times 22 \times 25 \times 1.0 = 1100 \text{ m}^2$					
$= 1100 \text{ m}^2 = 0.11 \text{ hect}$					
$\therefore \text{ent} = 0.11 \text{ hect}$					
2. Setting out pillars					
do					
$\therefore \text{ent} = 1.050 \text{ km}$					
3. Box cutting					
$2 \times 5 \times 30 \times 0.525 \times 0.10 = 15.75 \text{ m}^3$					
$2 \times 15 \times 0.525 \times 0.10 = 1.575 \text{ m}^3$					
$2 \times 20 \times 30 \times 0.375 \times 0.10 = 45 \text{ m}^3$					
$2 \times 10 \times 0.375 \times 0.10 = 0.75$					
Total					63.075 m^3

Sch. XLV-Form No. 134

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ const. of embankment with material obtained from borrow pits					3.012 m ³
do					0.12
do					1.2 m ³
14 X 25 X 0.8 X 0.9 =					25.2 m ³
⑤ const. of subgrade & earthen shoulder					1.010 m ³
do					
2 X 5 X 30 X 0.975 X 0.12 =					29.25 m ³
2 X 1.5 X 0.975 X 0.12 =					2.925
2 X 5 X 30 X 1.125 X 0.075 =					25.312
2 X 1.5 X 1.125 X 0.075 =					2.531
2 X 20 X 30 X 0.625 X 0.075 =					56.25
2 X 10 X 0.625 X 0.075 =					0.937
2 X 20 X 30 X 0.625 X 0.16 =					120
2 X 10 X 0.625 X 0.16 =					12
10 X (3.5 + 5) Total =					239.205 m ³
⑥ const. of granular subbase - do -					
2 X 20 X 30 X 0.375 X 0.12 =					45 m ³
2 X 10 X 0.375 X 0.12 =					0.75 m ³
extra widening 2 X 20 X 0.375 X 0.12 =					1.5 m ³
5 X 30 X 4.05 X 0.12 =					60.75 m ³
15 X 4.05 X 0.12 =					
15 X 4.05 X 0.12 =					6.075 m ³
2 X 5 X 30 X 0.525 X 0.12 =					15.75 m ³
2 X 15 X 0.525 X 0.12 =					1.575 m ³
15 X 3 X 0.12 =					4.50 m ³
Continuation					
Total					135.90 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ W.B.M. gr-II					
do					
					$31 \times 25 \times 3.75 \times 0.075 = 217.9681$
⑧ construction of un-reinforced plain cement concrete					
do					
					$20 \times \left(\frac{3.7 + 3.2}{2} \right) = 69 m^2$
					$10 \times \left(\frac{3.2 + 2.7}{2} \right) = 29.50 m^2$
					$23 \times 3.40 = 78.20 m^2$
					$30 \times \left(\frac{4.5 + 3.90}{2} \right) = 126 m^2$
					$30 \times \left(\frac{3.90 + 3.50}{2} \right) = 111 m^2$
					$30 \times \left(\frac{3.5 + 4.2}{2} \right) = 115.50 m^2$
					$30 \times \left(\frac{4.2 + 3.3}{2} \right) = 111 m^2$
					$30 \times \left(\frac{3.20 + 3.65}{2} \right) = 102.75 m^2$
					$30 \times 3.65 = 109.50 m^2$
					$30 \times 3.60 = 108 m^2$
					$30 \times \left(\frac{3.6 + 4.0}{2} \right) = 114 m^2$
					$30 \times 3.10 = 111 m^2$
					$30 \times \left(\frac{4 + 4.5}{2} \right) = 127.50 m^2$
					$30 \times \left(\frac{4.5 + 3.0}{2} \right) = 112.50 m^2$
					$30 \times 3.0 = 105 m^2$
					$22 \times \left(\frac{3 + 5}{2} \right) = 88 m^2$
					$2 \times 30 \times 3.75 = 225 m^2$
					$1 \times 5 \times 3.75 = 18.75 m^2$
					$25 \times \left(\frac{5 + 3.3}{2} \right) = 103.75 m^2$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
30X (3.3+4)	2				109.50
30X (4+3.3)	2				109.50
30X (3.3+3.7)	2				105
30X 3.70					111
30 X 3.70					111
					2295.95 ²
20 X 3.75					75m ²
					2370.95m ²
Cont 22370.95 X 0.16					379.352 ³

using
11/02/2022
JE

Rukhmin
2/2/22
AE

(5)

Material statement

① E/W = 491.205m³

② Stone metal = 727.014m³

③ coarse sand = 222.803m³

④ Stone screening = 52.312m³

⑤

using
11/02/2022
JE

Rukhmin
2/2/22
AE

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. clearing and grubbing road land - do -					
amt = 0.11 hect	P-11				
item - (1) + 0.10 hect					
P-11 item - (1)					
= 0.11 + 0.1 = 0.21 hect					
@ Rs 51133.76 = Rs 10738 =					
2. setting out pillars - do -					
amt = 1.050 km					
P-11 item - (2)					
@ Rs 5975.34 = Rs 6274 =					
3. Box cutting - do -					
amt = 63.075 m ³					
P-11 item - (3)					
@ Rs (+) 20.625 m ³					
P-11 item - (2)					
= 63.075 + 20.625					
= 83.70 m ³					
@ Rs 126.24 / m ³ = Rs 10567 =					
4. const. of embankment - do -					
amt = 50.22 m ³	P-2				
item - (3) @ Rs 88.36					
= Rs 4437 =					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) const. of embankment					
— do —					
ent =		168.75		m ³	
P-(8) itm-(4)					
+ 252 m ³ P-(12)					
itm-(4)					
= 168.75 + 252					
= 420.75 m ³ P-(8)					
itm-(5)					
@ Rs Limit to 419.27					
@ Rs 184.30/m ³					
					Rs 77271=
(6) const. of subgrade					
and earthen shoulder					
— do —					
ent =		239.205		m ³	
P-(12) itm-(5)					
+ 210.88 80.78 m ³					
P-(8) itm-(5)					
= 239.205 + 80.78					
= 319.985 m ³					
@ Rs 210.88/m ³ = Rs 67478=					
(7) const. of granular subbase					
— do —					
ent = 135.90 m ³ P-(12)					
itm-(6) + ent = 20.625 m ³					
P-(8) itm-(6)					
= 135.90 + 20.625					
= 156.525 m ³					
limit to 156.01 m ³ P.T.O					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ Rs 3313.17/m ³ = Rs 518594 =					
					Rs 516887 =
(8) WBM gr - [1]					
do -					
ent = 217.968 m ³					
P- (13) itm - (7)					
(+) 77.343 m ³ P- (8)					
itm - (7)					
= 217.968 + 77.343					
= 295.311 m ³					
@ Rs 4034.93/m ³					
(P) 1191559					
(9) const. of unreinforced plain cement concrete					
do -					
ent = 379.352 m ³					
P- (14) itm - (9)					
+ 1.65 m ³ P- (8)					
itm - (8)					
= 379.352 + 1.65					
= 544.352 m ³					
Rs Limit + 541.62 m ³					
@ Rs 7649.17/m ³ = Rs 4142943 =					
Total Rs 6028154					
Add GST - 12% @ Rs 723378					
Add labour less 1% @ Rs 60281					
Seigniorage fee @ Rs 60014 =					

Continuation
c/o Total Rs 6871827 =

Continuation