

M.M.G.S.Y. (SC) Mianwari Range or W.K.T to Baduanwa
(Punjab border Piplanwari)

Schedule XLV-Form No. 134

M.b.No-238

2020-21

DIVISION

Million R.F.

SUB-DIVISION

Measurement Book

M.b.No -238
2020-21

ਗੁਰੂ ਨਾਨਕ ਵਾਰਤ ਦੇ ਅਤੇ ਸੰਸਥਾਵਾਂ ਲਈ ਮਾਪ ਦੀ ਜ਼ਰੂਰਤ
ਹੈ ਜਿਨ੍ਹਾਂ ਵਿਖੇ ਪੱਧਰ ਵਿੱਚ ਆਉਣ ਵਾਲੇ ਸਾਡੇ ਅਤੇ ਸਹੀ ਮਾਪ
ਲਈ ਜ਼ਰੂਰੀ ਹੈ। ਇਸ ਲਈ ਸਾਡੇ ਅਤੇ ਸਹੀ ਮਾਪ
ਲਈ ਜ਼ਰੂਰੀ ਹੈ।

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Executive Engineer
Rural Works Department
Works Division Phulpur
19.12.2020

Sch. XLV - Form No. 134

MM4214 DIVISION

Mongra SUB-DIVISION

ਮੁਖ ਸਾਡੇ ਮਾਪ ਲਈ ਜ਼ਰੂਰੀ ਹੈ।
ਪੰਜਾਬ, ਭਾਰਤ।

Measurement Book

No. 238
2020-21

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Name of Officer Executive Engineer
Rural Works Department
Works Division Phulpur
19.12.2020

Date of first entry _____

Date of last entry _____

List 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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work -					Cont. of road
					WKT to Baluha
					(Purbi Tola)
					Piplahil under
					TMG 54 (SC)
Name of Agency					
					Amrendra Kumar Yadav
Agreement No.					305BD/2020-21
Date of Commencement					19.12.2020
Date of Measurement					24.12.2020

Item No. 01		
Setting Out Pillars		
$8.00 \text{ Hrs} \times 1.42 \text{ km} = 11.36$		
Say 11 Hrs.		

Item No. 02		
Clearing and grubbing		
road land		
$1470.00 \text{ M} \times 3.50 = 4970.00 \text{ M}^3$		
Say 0.487 H		

Item No. 03		
Cont. of embankment		
$17 \text{ Hrs} \times 30 \text{ m} \times \frac{[5.50 + 6.70]}{2} \times 0.60 = 1866.60 \text{ m}^3$		
$6 \text{ Hrs} \times 30 \text{ m} \times \frac{[5.00 + 5.64]}{2} \times 0.30 = 286.20 \text{ m}^3$		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
L.H.S.	7 Hs \times 30 M \times 0.80 \times 0.40 = 67.20 m ³				
	1 Hs \times 11 M \times 0.80 \times 0.40 = 3.52 m ³				
	8 Hs \times 30 M \times 0.80 \times 0.25 = 54.00 m ³				
	1 Hs \times 16 M \times 0.80 \times 0.25 = 3.60 m ³				
	5 Hs \times 30 M \times 0.80 \times 0.15 = 33.75 m ³				
	1 Hs \times 8 M \times 0.75 \times 0.30 = 1.80 m ³				
	8 Hs \times 30 M \times 0.80 \times 0.20 = 38.40 m ³				
	1 Hs \times 9 M \times 0.80 \times 0.20 = 2.20 m ³				
R.H.S.	8 Hs \times 30 M \times 0.90 \times 0.30 = 64.80 m ³				
	1 Hs \times 14 M \times 0.90 \times 0.30 = 3.78 m ³				
	7 Hs \times 30 M \times 1.00 \times 0.20 = 42.00 m ³				
	1 Hs \times 19 M \times 1.00 \times 0.20 = 3.80 m ³				
	6 Hs \times 30 M \times 0.80 \times 0.25 = 36.00 m ³				
	1 Hs \times 24 M \times 0.80 \times 0.25 = 4.80 m ³				
	5 Hs \times 30 M \times 0.75 \times 0.30 = 33.75 m ³				
	1 Hs \times 10 M \times 0.75 \times 0.30 = 2.25 m ³				
					2549.45 m ³
(a)	For 1000 M Head				
	2549.45 \times 20% = 509.88 m ³				
(b)	For 100 M Head				
	2549.45 \times 80% = 2039.56 m ³				
	Item No. 04				
	Earthwork in excavation				
	for foundation				
Head Wall	24 M \times 2 H \times 6.45 \times 1.400 \times 1.50 = 54.18 m ³				
Below pipe	2 Hs \times 1 Hs \times 4.85 \times 1.530 \times 0.565 = 5.42 m ³				
					59.60 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1st term H.s. 0.5					
Providing M15 P.C.C. in foundation					
Head Wall $2.10 \times 2.10 \times 6.15 \times (1.15 + 0.50) \times 0.18 = 5.42 \text{ m}^3$					
Below Pipe $2.10 \times 1.10 \times 2 \times 1.93 \times 1.52 \times 0.15 = 3.79 \text{ m}^3$					
					9.19 m^3
1st term H.s. 0.2	12.00	2.10	1.10	0.15	12.10.2020
1st term H.s. 0.2	12.00	2.10	1.10	0.15	AB
Date	29.12.2020				
Statement of P.C.C. in substructure					
Head Wall $2.10 \times 2.10 \times 6.15 \times (1.15 + 0.50) \times 0.18 = 64.54 \text{ m}^3$					
Parapet $2.10 \times 2.10 \times 6.15 \times 0.400 \times 0.600 = 5.90 \text{ m}^3$					
Less than Pipe $\frac{2.10 \times 2.10 \times 0.70}{4} \times (1.123)^2 \times 0.622 = 2.95 \text{ m}^3$					
					67.49 m^3
1st term H.s. 0.2					
Providing laying H.P. Cement concrete 10-mm thick H.P.					
2.10 \times 2.10 \times 2.50 = 15.00 m					
1st term H.s. 0.3					
(0.50) granular					
Sub. base G.I					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					243.6 m^2
1.0 Mtr x 3.0 Mtr x 4.05 x 6.20 =					m^3
1.0 Mtr x 3.0 Mtr x 4.05 x 6.20 =					243.6 m^3
3.0 Mtr x 3.0 Mtr x 4.05 x 0.20 =					72.9 m^3
1.0 Mtr x 1.0 Mtr x 4.05 x 6.20 =					8.10 m^3
					567.0 m^3

Item No. 21Providing & fixingLogo of P.M.G. per sq ft - 2 Nos

20.20	20.20
29.12 J.C	29.12 A/E

Material statementEarthwork :- 2,602.05 m³Stone Metal :- 544.32 kgStone Chips :- 68.00 m³Coarse Sand :- 170.86 m³

20.20	20.20
29.12 J.C	29.12 A/E

Continuation

Abstract of Let on A/C Bill

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date	2.9.12-2020				
Item No. 01					
Providing & fixing up					
Working bench mark					
2 no reference pillars					
Vide this M.B. page 1 - 11 Hrs.					
11 Hrs @ Rs 2,537 = 82/- Hr					
→ Rs 27,916 = 00					
Item No. 02					
Clearing & grubbing					
round land by manual means					
Vide this M.B. Page 1 - 0.497 H					
0.497 H @ Rs 52,970 = 23/- H					
→ Rs 26,326 = 00					
Item No. 03					
Cost of embankment					
with material obtained					
from borrow pit					
(a) For 1000 m land					
Vide this M.B. Page 2 - 509.89					
509.89 m ³ @ Rs 190 = 36/m ³					
→ Rs 97063 = 00					
(b) For 100 m land					
Vide this M.B. Page 2 - 2,039.56					
2,039.56 m ³ @ Rs 154 = 09/m ³					
→ Rs 1,51,305 = 00					

Continuation

$\text{Rs } 1,51,30.5 = \text{Rs } 0$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$\rightarrow \text{Rs } 3,14,235 = \text{Rs } 0$
Item No. 04					
Earthwork in excavation					
for foundation					
Vidhik M.B. Page 2 -					59.60 m^3
59.60 m^3					$\text{Rs } 270 = 0.6 / \text{m}^3$
					$\rightarrow \text{Rs } 16,634 = \text{Rs } 0$
Item No. 05					
Providing M.S. (1:2.5:1.5)					
as levelling course in					
foundation					
Vidhik M.B. Page 3 -					9.10 m^3
9.10 m^3					$\text{Rs } 274 = 0.6 / \text{m}^3$
					$\rightarrow \text{Rs } 57,658 = \text{Rs } 0$
Item No. 06					
P.C.C. in substructure					
complete as per specification					
Vidhik M.B. Page 3 -					67.40 m^3
67.40 m^3					$\text{Rs } 7,110 = 0.6 / \text{m}^3$
					$\rightarrow \text{Rs } 479,858 = \text{Rs } 0$
Item No. 07					
Providing and laying					
P.C.C. pipe H.P. 1000 mm dia					
Vidhik M.B. Page 3 -					15.00 m
15.00 m					$\text{Rs } 3,615 = 0.6 / \text{m}$
					$\rightarrow \text{Rs } 54,234 = \text{Rs } 0$

$\text{Rs } 10,73,924 = \text{Rs } 0$
Continuation

$\text{Rs } 10,93,324 = \text{Rs } 10,93,324 = 0.$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No. 08					
Construction of granular					
sub base by providing					
Well graded material					
Vide this M.B. Page 4 —	567.00				
567.00 m ³ @ Rs 3527 = Rs 20,00,229 = 0.					
Item No. 09					
Providing & fixing of					
typical MMGSE information					
sign board with Logo					
as per MOD specification					
Vide this M.B. Page 4 —	2 hrs				
2 hrs @ Rs 1,608 = Rs 3,216 = 0.					
→ Rs 22,018 = 0.					
	Rs 30,96,171 = 0.				
Add 12% GST - Rs 3,71,541 = 0.					
Rs 34,67,712 = 0.					
Add 1% L.C. Rs 36,962 = 0.					
Rs 34,98,674 = 0.					
Discount 0.21%, as per contract → Rs 7,347 = 0.					
Rs 34,91,327 = 0.					
APN 2020					
12.6 29.9620					
22.5					

Continuation