

NABARD

Schedule XLV-Form No. 134

ग्रामीण कार्य विभाग कार्य प्रमंडल चुदही DIVISION

ग्रामीण कार्य विभाग SUB-DIVISION
कार्य अवर प्रमंडल बाजपट्टी

MEASUREMENT BOOK NO-2555

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.	
NW:- Const. of Road					
and CD works with					
maintenance for Rasulpur					
Bantolwar Bhuta (dinkroad)					
Rasulpur Babudcopur					
Dalhar Subil gadhar-					
Rasulpur - kurthaya					
- Garhinga Road in					

Bajhatti Block under					
HABARD.					
N/A - M/s Royal Engineers					
Akhonghat					
Mojipur					
P.O Shekharpur Thana					
Dist - Muzaffarpur (Sihar)					
Agreement No: -					
SRD/2021-22					
Date of Commence					
: - 23/07/2021					
Date of Completion -					
: - 22/01/23					
Actual date of Comp:-					

Continuation
Work is under progress

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
P =	4x	1.26x	2.23x	1.63x	
					$\times 1.800 = 17.60 \text{ m}^3$
					$= 29.25 \text{ m}^3$
SL no ⑤ for B/w in cm (1:4)					
					Sub. Structure etc
Above G.L.					
A =	2x	3.50x	1.63x	0.300	
					$\times 1.80 \text{ m} = 21.50 \text{ m}^3$
P =	4x	1.32x	1.49x	0.600	
					$\times 2.45 \text{ m} = 15.53 \text{ m}^3$
					$= 47.05 \text{ m}^3$

P/cy SL No (6) R/F/L of H/S D
 base all exp.
 Direct work and cap.
 main road
 10 mm det —
 $2 \times 12 \times 7.45 \text{ m} = 178.80 \text{ m}$
 @ 0.62 kg/m = 110.85 kg
 8 mm det as Rmp
 @ 200 mm / c.
 $38 \times 2 \times 2.80 \text{ m} = 212.80 \text{ m}$
 @ 0.4 kg/m = 85.15 kg
 H/S side for labelling 300 = 196.00 kg
 2.5% ————— 4.90 kg
 SL No (7) Pr R.C.C in = 200.90 kg
 Sub. structure is 201.00 kg
 clump all exp.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abut. 2x 7.50 x 0.70 x 0.200 = 2.100 m ³					
cap					
Dist. wall - 2x 7.50 x 0.300 x 0.450 = 1.94					
					= 4.04 m ³
Slab (B) S/R/R of					
1st sd. base only					
2nd deck slab					
main part - 20 mm det @ 140 mm					
Bottom - 54 m x 6.20 m = 334.80 m					
top - 27 m x 6.20 m = 167.40 m					
				502.20 m	
					@ 2.43 kg/m = 1240.43 kg
top - 12 mm det					
					@ 140 mm c/c
					27 x 6.20 m = 167.40 kg
					@ 0.90 kg/m = 150.66 kg
Distribution bars -					
12 mm det @ 175 c/c					
2x 36 x 7.45 m					
				536.40 m	
					@ 0.90 kg/m = 482.76 kg
Chairs - 12 mm det					
20 mm x 2.50 = 50 mm					
					@ 0.9 kg/m = 45.00 kg
					= 1918.85 kg
Add 2.5% for					47.93 kg
10% for					= 1966.82 kg
					Sum 1967.00 kg

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SL no (9) Pr. R.c.c (m 25) in Peeler lab area					
Qty. 1x 7.50 x 6.20m x 0.400 =					20.00m ³
SL no (10) Pr. B/w isom C1:3 30 parapet area					
2x 12.00 x 0.40 x 0.600 = 5.76 m ³					
SL no (11) Provisioning Sand filling in tank					
1x 6.70 x 4.80 x 0.150 = 4.82 m ³					
SL no (12) Pr (m 15) p-c-c (1:2.5:5) 30 Hand P area					
In Hand 1x 7.50 x 5.00 x 0.150 = 5.62 m ³					
SL no (13) Pr plastering in (m 1:4) in cl. R.P area					
Abut Inner 2x 7.50 x 1.80 = 27.00m ²					
R/W from 4x 3.30 x 2.45 = 32.94					
Parapet s. 2x 2x 12.50 x 0.600 = 28.80					
T. 2x 12.50 x 0.40 = 9.60					
E. 4x 0.40 x 0.60 = 0.96					

Continuation

98.70m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SL No (3) for B/W in cm (1:4)					
in Found all cas					
Below - G.L					
A - $2 \times 2 \times 9.100 \times \frac{3.00 + 2.300}{2}$					
				$\times 1.600 = 154.34$	
R. $2 \times 4 \times 1.267 \times 2.321 + 2.031$					
				$\times 1.600 = 38.96$	
				$= 192.80 m^3$	
SL No (4) for B/W in cm (1:4)					
in sub. structure at					
Comp					
Frame G.L -					
(A) $2 \times 2 \times 8.900 \times \frac{2.100 + 0.300}{2}$					
				$\times 2.0564 = 102.17$	
R. $2 \times 4 \times 1.734 \times 2.70$					
				$\times 1.399 + 0.400$	
				$= 41.61 m^3$	
				$= 143.78 m^3$	
SL No (5) S/R/L of HYLD					
bars all cas					
Dirt wall and cap					
main bars - 10 mm dia					
$2 \times 2 \times 12 \times 8.80 = 422.40 m$					
@ 0.62 kg/m = (261.88 kg)					
6 mm dia Bar - 200 mm c/c					
$2 \times 2 \times 45 \times 2.80 m = 504 m$					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
② 0.22 kg/m					<u>240.88 kg</u>
Add					<u>372.76 kg</u>
SL No (6) Pr R.C.C in slab					
- Shuttering all cut					
(m ²)					
Abut cut 2 x 8.900 x 0.700 x					
0.200 =					4.98 m ³
Distribution 2 x 8.900 x 0.300 x					
0.43 =					4.60 m ³
					9.58 m ³
SL No (7) S/R/R of 4 nos					
bars all ends					

<u>In deck slab</u>					
Main bars 20 mm dia					
@ 150 mm c/c					
Bottom + top -					
2 x 2 x 59 x 6.10 m					1433.60 m
(As)					
② 2.48 kg/m					<u>3555.82 kg</u>
Distribution bars					
12 mm dia @ 175 mm c/c					
2 x 2 x 36 x 8.80 m					1267.20 m
② 0.9 kg/m					1140.48 kg
Chair - 12 mm					
2 x 20 x 2.00 m					100 m
② 0.90 kg/m					90.00 kg

Continuation

4386.30 kg

say 4386.30 kg

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SL No (8) Pr R.C.C. Column					
is Deck slab area					
Qty - 2 x 8.900 x 6.20					
					$\times 0.430 = 47.45 m^3$
SL No (9) Pr B/w in cm					
C:3 is proper area					
2 x 2 x 12 x 0.40 x 0.60					
					$= 11.52 m^3$
SL No (10) Provide of band					
1/4" x 1/2" x 1/2"					
all up					
Qty -					
					$1 \times 8.00 \times 4.50 \times 0.125 = 4.50 m^3$
					$1 \times 8.00 \times 4.90 \times 0.125 = 4.90 m^3$
					$= 9.40 m^3$
SL No (11) Pr mis R.C.C.					
C:1:20 S:5 is Heavy					
all up					
Qty -					
					$1 \times 8.90 \times 4.70 \times 0.150 = 6.27$
					$1 \times 8.90 \times 5.10 \times 0.150 = 6.81$
					$= 12.08 m^3$
SL No (12) Pr plaster					
in cm C:4 is 100					
all up					
Abut 2mm - 2 x 2 x 8.900 x 2.05 = 72.98					
Abut 1mm - 2 x 4 x 3.20 x 2.70 = 71.28					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Parade</u>					
P/S - Srac	2x2x2	12.00x	0.600		= 57.60
	2x2x	12.00x0	400		= 19.20
	2x2x2	0.400	0.600		= 1.92
					= 22.2. 78.72m ²
Sl no (13) Provide & install					
2mm thick plaster & painting					
on two coats all over					
1.5 mm in all over					
<u>Area</u>	2x2x2	12.00x	0.600		= 57.60
	2x2x	12.00x	0.400		= 19.20
	2x2x2	0.400x0.600			= 1.92
					= 78.72m ²
Sl No (14) Pr and finishing					
of working bench					
work hall -					
Area - 5.00 Km					
Sl No (15) Reference					
for all work					
Area - 5.00 Km					
Sl no (16) Pr and finishing					
of the tube board					
(Information) as required					
Area - 2 Nos.					
Sl no (17) - Pr work hole all over					
Area - 80 Nos					

Continuation

14.2.22
AB

14-02-22
JE

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
W&C Timber p- (3/3)					
→ 9.40 m ³					
→ 19.72 m ³					
@ 1 m ³ to 12.36 m ³					
@ 2493 = 78/m ³ — ₹ 6103.00					
SL No (3/1) for mis (1:2:4)					
as level + course					
is found all comp					
Qty - W&C Timber p- (3/3)					
→ 12.04 m ³					
W&C Timber p- (6/2)					
→ 29.72 m ³					
→ 41.76 m ³					
@ 2607 = 56/m ³ — ₹ 250,876.20					
SL No (4/3) for B/W in					
cm (1:4) is found					
all comp.					
Qty - W&C Timber p- (3/4)					
→ 74.25 m ³					
W&C Timber p- (7/3)					
→ 192.80 m ³					
→ 267.05 m ³					
@ 55972.47/m ³ — ₹ 15,94,804.20					
SL No (5/3) for B/W in					
cm (1:4) is 2/5 qty					
Qty - W&C Timber p- (3/5)					
→ 47.05 m ³					
W&C Timber p- 7/4					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	-	143.78 m	3		
	-	190.83 m	3		
@ ₹ 5825 = 47/m ³ —	₹	11,11,674.200			
SL NO (6/37). R/c/R/R					
of HPSD bad au cep					
Qty - m ³ T m ³ P (3/1)					
-		209.00 kg			
m ³ T m ³ P (4/6)					
-		1967.00 kg			
m ³ T m ³ P 8/5					
-		373.00 kg			
m ³ T m ³ P 8/7					
		4786.00 kg			
-		3327 kg			
-		7.33 m ³			
@ ₹ 5980 = 75/m ³ —	₹	3,88,949.25			
SL NO (7/34) P ₂ (m ²⁰) R-c					
is sub-structure					
au cep					
Qty - m ³ T m ³ P (4/3)					
-		4.04 m ³			
m ³ T m ³ P (8/6)					
-		9.58 m ³			
-		13.62 m ³			
@ ₹ 6772 = 57/m ³ —	₹	9,22,422.20			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SL No (8/36) Pr R.e.c (m ²)					
in Neelak lab area					
Qty - vac Tm ³ P- (5/8)					
- 20.00 m ³					
vac Tm ³ P- (9/8)					
- 47.45 m ³					
= 67.45 m ³					
Limsto 66.12 m ³					
@ 27718:58/m ³ - 251039:00					
SL No (9/34) Pr B/w in					
emission in parking					
area					
Qty - vac Tm ³ - (3/9)					
- 11.52 m ³					
vac Tm ³ - (5/10)					
- 5.76 m ³					
= 17.28 m ³					
Limsto 15.84 m ³					
@ 25785:41/m ³ - 91641:00					
SL No (10/34) Pr Sand					
filli - T is found area					
Qty - vac Tm ³ P- (5/11)					
- 4.82 m ³					
vac Tm ³ P- 9/10					
- 9.40 m ³					
= 14.22 m ³					

Limsto Continuation
to 12.36 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Q. No. (1/21) for (m/s) (1:1:5:5)					
P.C.C is finished work					
all up.					
Qty. nice T.M.B P - (5/12)					
— 5.62 m ³					
wide T.M.B P - (9/11)					
— 12.08 m ³					
— 17.70 m ³					
@ 6007 = 58/m ³ — ₹ 106034=0					
Sl. No (12/40) P. plastering					
100mm (1:3) in all up					
all work					
Qty. - nice T.M.B P - 6/13					
— 98.70 m ²					
wide T.M.B P - (10/12)					
— 222.98 m ²					
— 321.68 m ²					
@ ₹ 91 = 45/m ² — ₹ 61586=0					
Sl. No 13/41. plastering					
of two coats all up					
Qty. - nice T.M.B P - 6/14					
— 39.36 m ²					
wide T.M.B P - (10/12)					
— 78.72 m ²					
— 118.08 m ²					

Continuation
2 m to 108.48 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Q 7 48 = 79/m ² — 7 507620					
SL No (14/42) Pr weep hole					
is 1/4" dia					
Qty - vide Tm B p- 1/18					
— 40 nos					
vide Tm B p- (10/13)					
— 80 nos					
— 120 nos					
Q 7 111 = 34/m — 7 1336100					
SL No (15/1) Pr and 1/2" of working					
marks are					
Qty - vide Tm B p- 10/14					
— 5.00 km					
Q 7 4015/1 km — 7 2007500					
SL No (16/2) Reference pillars					
Qty - vide Tm B p- (10/15)					
— 5.00 km					
Q 7 1856 = 60/km — 7 928000					
SL No (17/20) Pr and 1/2" of typical					
tube information board					
Qty - vide Tm B p- (10/16)					
— 2 nos					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ ₹ 9550 = 20/m ³					₹ 19100 =
					total = ₹ 4285782 = 00
SL No (18/13) Cont of G.O.B					
by providing with					
graded material					
including an up					
Qty - vide Tm 13 p-11/18					
- 107.57 m ³					
@ ₹ 2830 = 42/m ³					₹ 305468 = 00
SL No (19/14) Pr laying					
spreading and					
compacting of soil					
Complete as Gm 11					
Qty - vide Tm 13 p-11/15					
- 281.25 m ³					
@ ₹ 3443 = 19/m ³					₹ 968397 = 00
					total = ₹ 5558647 = 00
Add 3% Less -					₹ 55586 = 00
Add 12% G.O.B -					₹ 667038 = 00
Add 9% Lac -					₹ 41729 = 00
Gy-total =					₹ 6329000 = 00
Less 12-23% or below -					₹ 779626 = 00
Nett payable =					₹ 5543374 = 00
Say ₹ 5543374 = 00					

15/2/22
JE

Continuation
14.2.22
AB

From
14.2.22
JE

Signature
15.2.22