

KAMDEO BIGHA KHAROT ROAD TO

GON SA

Schedule XLV-Form No. 134

EE, Road (G) Jhapa DIST DIVISION

AE Road (G) Jhapa SUB-DIVISION
2561

Measurement Book

E.E. Rao V (co) Tehanul DIVISION
A.E. Rao V (co) Tehanul SUB-DIVISION

Measurement Book

No.

2561

Name of officer TEHANUL

M. D. (M) DISTRICT
 EXECUTIVE ENGINEER

Date of first entry 1/12/91

Date of last entry 1/12/91

Handwritten notes in Telugu script, including dates and measurements, are visible at the bottom of the page.

पुमाणि म विजय जगता हेतु रक्षा मायरी
 पुत्रका म मायरी हेतु रक्षा मायरी
 पुत्र हेतु रक्षा मायरी, सहायक
 मायरी मायरी पुत्र पुत्र, जगता मायरी
 को विजय विजय

Schedule PLV-Form No. 134

REFERENCE TO P. W. A. CODE, CHPI, VII
 Para 39 & 81

NOTES

1. In recording detailed measurements, the following general instructions should be carefully observed :-
 - (a) Subject to such subsidiary orders as may be laid down by the local Government detailed measurements should be recorded only by Executive or Assistant Engineers or by Executive subordinates in-charges of work to whom measurement books have been supplied by the Executive Engineer for the purpose.
 - (b) All measurements should be bear taken down in a measurement book Form 23, issued for the purpose, no where else.
 - (c) Each set of measurement should commende with entries tarting-
 - (i) In the case of bills for work done :-
 - (a) Full name of wok as given in estimate
 - (b) Situation of work
 - (c) Name of contractor.
 - (d) Number and date of his agreement and
 - (e) Date of measurement
 - (i) "Stock", (ii) "Purchase" for direct issue to (here enter full name of work as given in estimate)
 - (ii) "Purchase" for (here enter full name of work as given in estimate) issued to contractor on and
 - (d) Date of measurements and should end with the Paid initials of the officer marking the measurement, see also paragraph 24, A suitable abstract should then be

prepared which / should collect in the case of measurement for work done, the total quantities of each distinct item of work relating to each sanctioned sub-head.

- (d) As all payments for work supplies are based on the quantities recorded in the measurement books it is incombent upon the person taking the measurement to record the quantities clearly and accurately. If the measurements are taken in connection with a running contract account on which work has been previously measured he is further responsible (1) that reference to the last set of measurements is recorded and (2) that if the entire job or contract has been completed the fact is recorded prominently just above his initials.
- (e) Entries should be record continuously in the measurement book No blank pages may be left and no page be turn out. Any page left in adveitenly must be cancelled by diagonal lines. The cancellation being attested. See also paragraph or the Public Work Department Code.
- (f) No entry may be erased, of a mistake is made it should be correct (and dated) by the responsible officer in the manner prescribed in paragraph 335 of the Public Works Department Code. When any measurements are cancelled, the cancellation, must be supported by the dated initials of the officver ordering the cancellation or by refrence to his orders initialled by the officer who made the measurements in either case the reason for cancellation should ba provided with an index which should be kept upto date.

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 → Const. of road from Kombar Bgh. - Khar Road to Ganga, District - Tehsil (Raj.) under NABARD.					
Name of contractor → Sri. Murali Kumar Vill → Kombar Bgh. Tehsil.					
Agreement No. → CR/SSD/2019-20.					
Date of agreement to start work 13/10/19.					
Date of completion of work 18/10/2020.					
Actual date of start of work → 13/10/19.					
Actual date of completion of work → 18/10/2020.					
It is in progress.					
Date of entry → 10/06/2020.					
Item No Providing and fixing of (1/31) typical HMCST interlocking 897.					
Ground work 1970 cu. m. - churning					
— do — do —					
2x1 — 2 NOS.					
Item No Churning and grabbing sand (2/3) and (6) manual work including uprooting, weed vegetation, grass, bushes etc.					
— do — do —					

Continuation

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abutment.					
$2 \times 9.600 \times 2.300 \times 1.600$					70.66 m^3
Return wall.					
$4 \times 1.800 \times 2.200 \times 1.600$					25.34 m^3
Floor under deck slab					
$1 \times 5.700 \times 1.400 \times 0.250$					1.99 m^3
Cut off wall					
$2 \times 1.400 \times 0.500 \times 1.600$					2.24 m^3
Sides of cut off wall					
$2 \times 0.800 \times 0.500 \times 1.600$					1.28 m^3
					$\text{Total} = 101.51 \text{ m}^3$

Item no	providing M-15 concrete				
(7/40)	P.C.C. For plain concrete				
	in open form complete as per				
	drawing — do — do —				
Bottom of abutment					
$2 \times 9.500 \times 2.300 \times 0.200$					8.24 m^3
Return wall					
$4 \times 1.800 \times 2.20 \times 0.200$					3.17 m^3
Cut off wall					
$2 \times 2.200 \times 0.500 \times 0.200$					0.44 m^3
					$\text{Total} = 12.35 \text{ m}^3$

Continuation

10/06/2020

J-E

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

Date of Entry: 18/06/2020.

Demarcation of carbon forest
(1/8) with material obtained from

barrow yet - do - do -

Claimage Area Mean Length Qty
(M²) (Cum) (area) (M²) (Cum)

0	1.402	—	—	
50	1.201	1.301	50	65.05m ³
100	1.008	1.104	50	55.20m ³
150	1.462	1.285 2.467	50	61.75m³ 128.50m ³
200	1.510	1.486	50	74.30m ³
250	1.824	1.667	50	83.35m ³
300	1.854	1.839	50	91.95m ³
350	0.982	1.418	50	70.90m ³
400	0.846	0.914	50	45.70m ³
450	1.248	1.047	50	52.35m ³
500	1.422	1.335	50	66.75m ³
550	1.006	1.214	50	60.20m ³
600	1.114	1.060	50	53.00m ³
650	0.998	1.056	50	52.80m ³
700	1.484	1.241	50	62.05m ³
750	1.564	1.524	50	76.20m ³
800	1.214	1.389	50	69.45m ³
850	0.994	1.104	50	55.20m ³
900	0.964	0.979	50	48.95m ³
950	2.014	1.489	50	74.45m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1000	1.834	1.924	50		96.20 m ³
1050	1.586	1.710	50		85.50 m ³
					Total = 1401.80 m ³
for 1000 m head					
0.80 x 1401.80					= 1121.44 m ³
Item no (219)	for 100 m head				
					0.20 x 1401.80 = 280.36 m ³
Item no (3134)	Brick-masonry work				
	C: M (1:1/4) in head				
wall complete as per drawing					
— do — do —					
Hume pipe culvert 600 mm					
— x — x —					
Head wall, both side of Road					
2 Nos,					
	2 x 2 x 3.600	0.700 x 2.180			21.97 m ³
Parapet					
	2 x 2 x 3.600	0.400 x 0.600			8.46 m ³
less for pipe					
	2 x 2 x 0.786	0.830 x 0.536			11.15 m ³
					Total = 24.28 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Item no					
(4/35) Providing and laying R.C.C					
pipe NP-3 for culvert					
— do — do — do —					
$2 \times 3 \times 2.50$					$15.00 m^2$
Item no					
(5/36) (1.4) on brick work					
in sub structure as per drawing					
— do — do — do —					
outer side					
$2 \times 2 \times 3.600 \times 2.780$					$40.03 m^2$
Inner side,					
$2 \times 2 \times 3.600 \times 0.600$					$8.64 m^2$
Tops					—
$2 \times 2 \times 3.600 \times 0.400$					$5.76 m^2$
Ends,					—
$2 \times 4 \times 0.700 \times 2.180$					$12.21 m^2$
Less:					
$2 \times 2 \times 0.786 \times 0.830$				(-)	$1.15 m^2$
0.530				Total =	$65.49 m^2$
Item no					
(6/37) providing 1.5 mm cement					
pumy including carrying carriage					
of water — do — do —					
Tops, $2 \times 2 \times 3.600 \times 0.400$					$5.76 m^2$
Ends, $2 \times 4 \times 0.400 \times 1.200$					$3.84 m^2$
Inner, $2 \times 2 \times 3.600 \times 0.600$					$8.64 m^2$
Continuation					Total = $18.24 m^2$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item no					
(7/41) Brick - masonry work					
in cement mortar (C/M					
1:4) in terrace (workable on					
per drawing - do - do -					
R.C.C. slab column					
Below Ground level, abt Ground level.					
<u>abutment</u>					
2 x 9.330 x 1.800 x 1.400					47.02 m ³
<u>Return wall</u>					
4 x 1.800 x 1.120 x 1.400					11.29 m ³

<u>ret of wall</u>					
2 x 2.200 x 0.450 x 1.400					2.72 m ³
Total =					61.08 m ³

18/06/2020

2.6

Date of entry 29/06/2020

Item no					
(1/42) Brick masonry work					
in cement mortar (C/M					
1:4) in substructure					
- do - do -					

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
Above ground level				
Abutment wall				
2x 7.500 x 0.300 x 1.800				24.30 m ³
Return wall				
4x 2.150 x 0.760 x 1.800				11.96 m ³
Total = 36.26 m ³				
Item No Reinforced concrete				
(2/45) M-20 in substructure				
complete as per drawing -				
do do				
Abutment cap				
12 nos 12 mm ϕ ,				
7.550 x 12 x 0.89 kg/m =				80.63 kg
Ring 6 mm ϕ bar				
38 x 1.580 x 0.22 kg/m =				13.21 kg
Dist wall				
10 mm ϕ ,				
0.450 x 2 x 34 x 0.62 kg/m =				18.90 kg
Total = 112.80 kg				
60+1 side = 2 x 112.80 kg =				225.60 kg

Continuation

2.5

16 mm ϕ , 125 mm C/C

$$3.530 \times 60 \times 1.58 \text{ kg/m} = 334.64 \text{ kg}$$

3.530 A 02
distribution bar, 10mm g,
175 C/C.

175 C/C,				
21 x 7 - 450 x 0.62 kg/m	=	96.99 kg		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Top, Jali					
3.530 x 60 x 1.58 kg/m					334.64 kg
Distribution bar,					
21 x 2.450 x 0.62 kg/m					96.99 kg
Chair bar,					
16 mm Ø,					
10 ⁰⁶ x 1.250 x 1.58 kg/m					11.85 23.20 kg
					Total = 886.96 kg
					875.11 kg
CD					
10/02/2020					
2.6					

Date of Entry → 16/07/2020

Item no providing R.C.C M-25
(1/45) in Deck - slab, as per
drawing and technical specification
— do — do —

1 x 2.500 x 3.600 x 0.300 8.100 m³

Item no providing steel Holes
(2/51) in abutment, — do —
— do —

28 x 1 — 28 nos

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item no	Construction of granular				
(3/14)	Sub-base by providing well				
graded material. Spreading in					
Uniform layers - do - do -					
Chaining 0 to 300 mt					
10 x 30.00 x 4.05 x 0.200.				243.00m ³	
1 x 10.00 x 4.05 x 0.200				8.10m ³	
Chaining 310 to 400 mt,					—
3 x 30.00 x 3.05 x 0.200				54.90m ³	
Chaining 400 to 480 mt,					—
2 x 30.00 x 4.05 x 0.200				48.60m ³	
1 x 20.00 x 4.05 x 0.200.				16.20m ³	
Chaining 480 to 520 mt					—
Chaining 520 to 1050 mt					
17 x 30.00 x 4.05 x 0.200				413.10m ³	
1 x 20.00 x 4.05 x 0.200				16.20m ³	
Total =				800.10m ³	

Continuation

28/02/2020
2.5

— 2 — — —

is in progress.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of abstract →	04/08/2020.				
Item No					
(1A) clearing and grub-					
ing Road Land					
— do — do —					
V.T.M.B. P. NO:- 01					
0.34 Hec					
@ Rs 51448.58/Hec					Rs 17492.00
Item No					
(2/4) Dismantling of					
existing structure as					
per drawing — do — do —					
V.T.M.B. P. NO:- 02					
36.57 m ³					
@ Rs 346.69/m ³					Rs 12678.00
Item No					
(3/8) Construction of embank-					
ment with material					
obtained from borrow pit					
— do — do —					
V.T.M.B. P. NO:- 06					
1121.44 m ³					
@ Rs 181.89/m ³					Rs 203979.00
Item No					
(4/9) For 100m bad					
— do — do —					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
V.T.M.B. P. NO. - 06,					
					$280.36 m^3$
@ Rs 160.52 / m^3 —					Rs 45003.200
Item No					
(5/10) Construction of					
subgrade and center					
shoulder with approved					
material obtained from					
barrow pits - do - do -					
V.T.M.B. P. NO. - 11,					
					$1930.50 m^3$
@ Rs 223.18 / m^3 —					Rs 430849.00
Item No					
(6/11) Construction of gran					
ular sub-base by					
providing well graded					
material - do - do -					
V.T.M.B. P. NO. - 13,					
					$800.10 m^3$
@ Rs 1736.03 / m^3 —					Rs 13,88,998.20
Item No					
(7/12) Providing, laying, con-					
struction and compacting					
base aggregate of specific					
sizes - do - do -					
V.T.M.B. P. NO. - 14,					
					$224.99 m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
224.99m ² @ Rs 2466.35/m ²					Rs 555039.20
Item no					
(8/31) Providing and fixing					
of typical M.M.G.S.Y.					
12x60x60 Sign Board					
— do — do —					
V.T.M.B. P.No. 011					
2 NOS.					
@ Rs 9231.21 / Nos —					Rs 18462.20
Item no					
(9/32) Excavation for foundation					
of structure upto 3.00m					
depth as per drawing					
— do — do —					
V.T.M.B. P.No. 031					
31.32m ³					
@ Rs 296.40/m ³ —					Rs 9283.20
Item no					
(10/33) Providing M-15					
(P.C.C 1:2:5) as per drawing					
course in foundation — do —					
— do —					
V.T.M.B. P.No. 031					
5.68m ³					
@ Rs 4638.43/m ³ —					Rs 26346.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item no (11/34) Brick-masonry work in C.M (1:4) in head wall complete as per drawing - do - do -					
V. T. M. B. P. NO. - 06					
24.28 m ³					
@ Rs 5695.85/m ³ -					Rs 138,295.00
Item no (12/35) Providing and laying R.C.C. pipe 100-std					
columns on 2nd floor					
- do - do -					
V. T. M. B. P. NO. - 07					
15.00 M					
@ Rs 1135.07/M -					Rs 17026.05
Item no (13/36) plastering with C.M (1:4) on brick-work in sub-structure as per technical specification -					
- do - do -					
V. T. M. B. P. NO. - 07					
65.49 m ²					
@ Rs 149.08/m ² -					Rs 9765.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item no (114/37) Providing 1.5mm Cement plaster including clustering, carriage of concrete cover all surfaces and lifts as per drawing - do - do - V.T.M.B. P.No. 07, 18.24 m ²					
@ Rs 44.20/m ² —				Rs	815.20
Item no (115/38) Earthwork in excavation for structure as per drawing — do — do — V.T.M.B. P.No. 04, 101.51 m ³					
@ Rs 296.40/m ³ —				Rs	30088.20
Item no (116/40) Providing PCC M-15 concrete for plain concrete in open area Complete as per drawing - — do — do — V.T.M.B. P.No. 04, 12.35 m ³					
@ Rs 4638.43/m ³ —				Rs	57285.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item no					
(17/41)	Brick-masonry				
	work in cement				
	Mortar (C:M 1:4) in joint				
	complete as per drawing				
	— do — do —				
	V.T.M.B. P. No: - 08,				
	61.08 m ³				
	@ Rs 5441.85/m ³ - Rs 332334.20				
Item no					
(18/42)	Brick-masonry				
	work in cement				
	Mortar (C:M 1:4) in-				
	substructure and kerb-work				
	— do — do —				
	V.T.M.B. P. No: - 09,				
	36.06 m ³				
	@ Rs 5695.85/m ³ - Rs 20539.20				
Item no					
(19/43)	Reinforced cement				
	concrete (M-20) in				
	substructure complete as				
	per drawing - do - do -				
	V.T.M.B. P. No: - 10,				
	3.90 m ³				
	@ Rs 514.23/m ³ - Rs 1994.70				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item no	Providing ROOM-25				
(20/45)	in brick slab				
	— do — do —				
V.T.M.B.	P. No. - 12,				
	8.10 m ³				
@ R/L 6127.23/m ³	— R/L 99631 =				
Item no	10664/21, 21/12/29				
(21/46)	and placing 448 D				
	bar, reinforcement —				
	— do — do —				
V.T.M.B.	P. No. - 09,				
	225.42 Kg				
P. No. - 12,	875.11 Kg				
	Total = 1100.73 Kg				
	limit = 1080 Kg -				
1.08 MT @ R/L 6127.31/MT	R/L 67256 =				
Item no	Providing work				
(22/51)	holes in slabs				
	— do — do —				
V.T.M.B.	P. No. - 12,				
	28 nos				
@ R/L 119.02/No	— R/L 3333 =				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Total = 3454,441 = ∞					
Less 0.05% CS per egg = (-) 1727 = ∞					
The Bill Amount = 34,52,714 = ∞					
To 6/28 <u>/17-2-2021</u>					
Sd/ [Signature] 5/08/2020					
J.B					