

SAMARKAND TO KHIRAUTI
MATH VIA
Schedule XLV-Form No. 134
KHIRAUTI GARRH

E. E. R. W. D. Luck Div. Tehanabad.
DIVISION

A. E. R. W. D. W. Sub. Div. Ghosia
SUB-DIVISION

2655

MEASUREMENT BOOK

Sch. XLV - Form No. 134

E.E. RWD. W. Div. Tehanabad **DIVISION**

A.E. RWD. W. Sub. Div. Ghassi **SUB-DIVISION**

Measurement Book

No. 2695.

Name of Officer _____

Date of first entry _____

Date of last entry _____

Schedule PLV Form No. 134

NOTES

REFERENCE TO P.W.A. CODE, CHPI.VII
Para 30 & 31

1. In recording detailed measurements, the following general instructions should be carefully observed:-

- (a) Subject to such subsidiary instructions 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 commence with entries stating —

(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

(ii) In case of bills for supply for materials :-

- (a) Name of Supplier
- (b) Number and date of his agreement for order,
- (c) Purpose of supply in one of the following forms applicable of the case —
 - (i) "Stock" (for all supply for stock purpose)
 - (ii) "Purchase" for direct issue to the work (full name of work as given in estimate may be mentioned)
 - (ii) "Purchase" for (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 25)

A suitable abstract should than 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.

- (e) As all payments for work supplies are based on the quantities recorded in the measurement books it is incumbent 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.
- (f) 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 advertently must be cancelled by diagonal lines. The cancellation being attested. See also paragraph or the Public Work Department Code.
- (g) 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 officer ordering the cancellation or by reference to his orders installed by the officer who made the measurements in either case the reason for cancellation should be recorded.

Each measurement book should be provided with an index which should be kept up to 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—					
from					
Math					
MMUSY.					
Name of Agency—					
Construction and Development					
Pvt Ltd. B.O.T. mode					
Nagar, Ranchi.					
Agreement No—					
Date of commencement—					09-12-20
Date of completion—					08-12-21
Date of measurement—					
(1) Pl. & Fixing at					1200
working bench mark pillar					3000
01 Nos per km & 04 Nos at					3000
reference pillar require for					3000
1 km as per drawing—					3000
(a) Working Bench mark pillars					
= 02 Nos.					
(b) Reference pillars					
= 09 Nos.					
(2) Clearing and grubbing					

Continuation

Abstract ab cost

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14/1) Plv & fixing at working					
bench mark pillar - - -					
working bench mark pillars					
Qty vide TMB					
Page No-01		=	02 Nos.		
@ ₹ 3607.30/Nos				₹	7215.0
(14/2) Plv & fixing at working					
bench mark pillar - - -					
Reference pillar					
Qty vide TMB					
Page No- 01		=	09 Nos.		
@ ₹ 1642.49/Nos				₹	14782.0
(213) clearing and grubbing					
Road Land (By manually					
mean) in clearing uprooting					
wild vegetation, grass					
- - - etc.					
Qty vide TMB					
Page No - 02		=	1.35 HA		
@ ₹ 51161.75/Hect				₹	69068.0
(3/6) construction ab sub-					
grade and Earthen Shoulder					
with approved material					
obtained from borrow pits					
- - - etc.					
Qty vide TMB					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Page No - 02		=	328	8.0 m ³	
@ ₹ 235.98 / m ³					₹ 775962.0
(4/4) Construction at En-					
bankment with material					
obtained from borrow					
Pits					
For 1000 m Lead					
Qty vide TMB					
Page No - 05		=	883.34	m ³	
@ ₹ 188.05 / m ³					₹ 166112.0
(4/15) Construction at En					
bankment with material					
obtained from borrow pits					
----- etc.					
For 100 m lead					
Qty vide lead					
Page No - 05		=	989.25	m ³	
@ ₹ 170.62 / m ³					₹ 168786.0
(5/28) Earthwork in En -					
cavation for structure					
as per drawing - etc.					
Qty vide TMB					
Page No - 05		=	135.45	m ³	
Page No - 06		=	13.35	m ³	
Page No - 08		=	103.05	m ³	
				251.85 m ³	
@ ₹ 294.73 / m ³					₹ 74228.0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6/29) P/V m/s of levelling					
Course in Foundation					
Complete as per drawing.					
& Specification					
Qty vide TMB					
Page No - 05			13.54	m ³	
Page No - 06		=	1.22	m ³	
Page No - 08		=	14.34	m ³	
			29.10	m ³	
@ ₹ 4342.39 / m ³				₹	126363.0
(7/30) P/V Brick masonry					
Work C.M 1:4 in Head					
Wall Complete etc.					
Qty vide TMB					
Page No - 05		=	123.54	m ³	
Page No - 06		=	29.52	m ³	
			153.06	m ³	
Unit = 153.04 m ³				₹	862944.0
@ ₹ 5638.68 / m ³					
(8/31) P/V & laying R.C.C					
Pipe 1000 mm ϕ do do -					
Qty vide TMB					
Page No - 06		=	37.5	m	
@ ₹ 3373.18 / m				₹	126494.00
(9/32) Plastering with cement					
Mortar (1:4) on Brick work					
in Sub-structure					
Qty vide TMB					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Page No - 07	=		334.26 m ²		
@ ₹ 144.29/m ²				₹	48230.00
(10/33) Plv 1.5mm cement					
punning including cutting					
carriage at water -					
Qty vide TMB					
Page No - 07	=		71.1 m ²		
@ ₹ 45.43/m ²				₹	3230.00
(11/34) Sand filling in					
Foundation Trench of					
per drawing - etc					
Qty vide TMB					
Page No - 08	=		2.02 m ³		
@ ₹ 478.09				₹	966.00
(12/35) Brick work in					
masonry mortar (1:4)					
in foundation - etc.					
Qty vide TMB					
Page No - 09	=		62.19 m ³		
@ ₹ 5593.09/m ³				₹	347834.0
(13/36) Brick masonry					
work in mortar (1:4)					
in foundation - etc					
Qty vide TMB					
Page No - 09	=		26.70 m ³		
@ ₹ 5795.64/m ³				₹	154744.0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14/37) RCC (m-20) in					
Sub structure complete					
as per drawing					
Qty wide TmB					
Page No- 10		=	4.428 m ²		
@ ₹ 5116.88 / m ²				₹	22658.0
(15/38) Plv Bitumen painting					
over top Surface at					
Abutment cab 2 inner					
vertical Surface at Dist					
Wall — et c.					
Qty wide TmB					
Page No- 10		=	15.00 m ²		
@ ₹ 15.22 / m ²				₹	228.00
(16/39) Supplying fitting					
& placing HYSD Bar Rein-					
forcement in sub-structure					
Qty wide TmB					
Page No- 11		=	1.013 m ²		
@ ₹ 51376.26				₹	52044.0
(17/39) Plv RCC in					
Super structure (Deck slab)					
as per drawing — etc.					
Qty wide TmB					
Page No- 11		=	8.01 m ²		
@ ₹ 6172.72 / m ²				₹	49443.0
(18/41) Plv & filling Joint					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sealing compound at per					
drawing			etc.		
	Qty	vide	TmB		
@ ₹ page No - 11			= 15.0 RM		
@ ₹ 40.47 / RM				₹	607.00
(19/42) Brick masonry work					
in cement mortar 1:3					
in para bet			etc.		
	Qty	vide	TmB		
Page No - 11			= 2.76 RM ³		
@ ₹ 5462.16 / m ³				₹	15076.00
(20/43) plastering with					
cement mortar (1:4) on					
brick work in sub-structure					
		etc			
	Qty	vide	TmB		
Page No - 12			= 72.53 m ²		
@ ₹ 144.29 / m ²				₹	10465.0
(21/44) Plu 1.5 mm cement					
punning including curing					
carriage ab water			etc		
	Qty	vide	TmB		
Page No - 13			= 29.76 m ²		
@ ₹ 45.43 / m ²				₹	1352.00
(22/45) P/V Weep holes					
in brick masonry					
Plain Reinforce concrete					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
abutment, wing wall	—				
— etc.					
Qty vide TMB					
Page No - 13			= 20 Nos		
@ ₹ 119.08 / Nos			—	₹	2382.0
23/27) Ply & fixing ab typical					
masonry					
board with logo as per					
model					
and drawing — etc					
Qty vide TMB					
Page No - 13			202 Nos		
@ 9100.13 / No			—	₹	18332.0

			Total = ₹	3119485.0
Add 1%.	Labour cess		₹ _(1%)	31195.0
Add 12%.	WST		₹ _(12%)	374338.0
			Total	₹ 3525018.0
Below 10.5%.	or per	agg	₹	370127.0
DAD C&P 16.3.2021				3154891.0
16.10.2021 A.E.				
Aring 16/03/21 J.E				