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To Sri. Baban Ram A.E. R.W.D.  
Work Sub-Div. Madanpur.

21/11/20  
10/17/20

Executive Engineer  
Rural Works Division, in  
Work Sub-Division, Aurangabad  
10/17/20

Schedule KLV - Part No. 124.

E.E. R.W.D. A. Bad. DIVISION.

A. G. Madanpur SUB-DIVISION.

MEASUREMENT BOOK.

2626

2314.7

Sri Baban Ram A.E. Madanpur

Date of this entry \_\_\_\_\_

Date of last entry \_\_\_\_\_

दिना. यथादि. तस, यथा ।

# Setting of Pillar -

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 measurements relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Name of work - Construction of Road from J.D. Joshi to Bardhi under Head mistry.					
Agency - Vinay Kumar Singh, Jaisangar, Ayazgarh.					
Agreement - 31/08/2020-21 (10% below)					

Date of work start - 05/08/2020  
 Date of completion - 04/08/2021  
 Agreement value -  
 Const. cost (P.T.A.) - 9144866.00  
 Maint. cost (P.T.A.) - 1034179.00  
 Total - Rs 10178845.00

Recorder's  
 gen (1) Setting of Pillar -  
 Providing about 1.00 working benchmark/reference Pts -  
 Bench mark Pts - 24.  
 gen (2) Reference Pts - 6 nos.

Continuation

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
Item (1) Ply & Fixing					
logs of mangro					
in front of house					
bound with logs					
--- do --- complete					
logs for side wall					
2 Nos /					
<del>Item (2) Dismantling of</del>					
<del>brick structure</del>					
<del>cutting of</del>					
<del>Cement concrete - 2.40 m<sup>3</sup></del>					

Item (3) Cementmortar - 69.32 m <sup>3</sup>					
Item (4) Remover of					
tyres of tractor					
--- do --- 30 mtr.					

Item (5) Clearing & Grubbing					
road lead-off					
2 x 10 x 30 m x 3.50 m = 2100 m <sup>2</sup>					
2 x 10 x 30 m x 3.50 m = 2100 m <sup>2</sup>					
2 x 10 x 30 m x 3.50 m = 2100 m <sup>2</sup>					

Continuation  
 2 x 10 x 30 m x 3.50 m = 2100 m<sup>2</sup>  
 2 x 10 x 30 m x 3.50 m = 2100 m<sup>2</sup>  
 2 x 2 x 30 m x 3.50 m = 4200 m<sup>2</sup>  
 ⇒ 1.092 Hectare 10920 m<sup>2</sup>



Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Item (20) Irrigation pipe Five feet pipe Area of each pipe Complete pipe duct 300mm dia - do - $4 \times 2.5 = 10.00$ $3 \times 2.5 = 7.50$ $17.50 \text{ metric}$					
Item (21) Earthwork in excavation for foundation of structures - $2 \times 3.90 \text{ m} \times 1.15 \text{ m} \times 1.50 \text{ m} = 13.455 \text{ m}^3$ $5.35 \times 1.17 \times 0.365 = 2.207 \text{ m}^3$ $15.66 \text{ m}^3$ Further $2 \times 1.5 \times 6.6 = 31.32 \text{ m}^3$					
Item (22) Paving of level of foundation - do - do Complete JSS					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
	per	5/10	feet		
	2x	3.90m	1.15m	0.15	$2 \times 1.34156^3$
	1x	5.31x	1.13x	0.20	$= 1.506^3$
					$2.84526^3$
					$\Rightarrow 2.85^3$
	- für zwei Schichten -				
	2x	2.85			$= 5.70m^3$
gleim (3) für Platten Beton					
Eingelegt in					
Baustruktur					
- also -					

	2x	3.60m	$\frac{1.00 \times 0.40}{2}$	$\times 2.78m$	$= 4.01m^3$
	Pfeiler -				
	2x	3.60m	0.40x	0.60	$= 1.73m^3$
					$15.74m^3$
	2x	$0.785 \times (\pi \times 0.33)^2$	$\times 0.53$	$\times 1$	$0.574m^3$
					$15.17m^3$
	Für je zwei 1/2 Schichten =				
	2x	15.17			$= 30.34m^3$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
905	③	Duo X kerup Rce			
		p. p. l. u. B. f. C. m. m. s.			
		2x 2x 2.5m = 15m <sup>2</sup>			

• E. W. Calculation

CH	Area	Mean Area	Dist	Volume
m	m <sup>2</sup>	m <sup>2</sup>	m	m <sup>3</sup>
0.0	0.386	—	—	—
50	0.485	0.436	50	21.80

100	0.787	0.626	50	31.30
150	0.986	0.864	50	43.20
200	0.879	0.919	50	45.95
250	0.888	0.884	50	44.20
300	0.977	0.933	50	46.65
350	0.895	0.935	50	46.75
400	0.975	0.935	50	46.75
450	1.021	1.018	50	50.90
500	1.023	1.042	50	52.10
550	0.978	1.001	50	50.05
600	1.098	1.038	50	51.90
650	1.050	1.074	50	53.70
700	1.026	1.038	50	51.90
750	1.099	1.063	50	53.15
800	1.049	1.074	50	53.70

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
850	1.029	1.039	50		51.95
900	1.082	1.056	51		52.90
950	0.916	0.999	50		49.95
1000	0.866	0.891	50		44.55
1050	1.208	1.037	51		51.85
1100	0.946	1.077	50		53.85
1150	0.919	0.933	50		46.65
1200	1.209	1.064	50		53.20
1250	1.154	1.182	50		59.10
1300	1.229	1.192	50		59.66
1350	1.082	1.156	50		57.80
1400	0.898	0.990	50		49.50
1450	1.196	1.047	50		52.35

1500	0.759	0.793	50		39.65
1550	0.449	0.419	600		25.14
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1491.94<sup>3</sup>

- ~~1700~~ 960 (6) Construction
- ~~1750~~ 960 of embankment
- ~~1800~~ 960 work of planing
- ~~1850~~ 960 material for
- ~~1900~~ 960 and complete

200 in 51 to 57 of area  
 each 100m

25% of 1491.94 = 372.98<sup>3</sup>

960 (7) each 1000 m.

1491.94 - 372.98 = 1118.96<sup>3</sup>

Continuation

*[Signature]*  
 20/09/2020  
 JY







Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
90m (37) Plin 19.5 98 leveling course in Foundation - do -					
					$2 \times 2 \times 6.45 \times 1.40 \times 0.15 = 5.42 \text{ m}^3$
					$2 \times 4.73 \times 1.53 \times 0.25 = 3.77 \text{ m}^3$
					$2 \times 12.95 \times 1.40 \times 0.15 = 5.44 \text{ m}^3$
					$2 \times 4.95 \times 1.53 \times 0.25 = 3.77 \text{ m}^3$
					<u>18.40 m<sup>3</sup></u>

90m (38) Plin Placm Consent Concrete in Struct. .. - do - ad for sloped					
					$2 \times 2 \times 6.15 \times 1.25 \times 0.40$
					$2 \times 3.16 \text{ m} = 64.54 \text{ m}^3$
					$2 \times 2 \times 6.15 \times 0.40 \times 0.60 = 5.90 \text{ m}^3$
					$2 \times 12.95 \times 1.25 \times 0.40$
					$2 \times 3.16 \text{ m} = 67.95 \text{ m}^3$
					$2 \times 12.95 \times 0.40 \times 0.30 = 3.11 \text{ m}^3$
					<u>141.50 m<sup>3</sup></u>
Deduction for lap joint					
					$2 \times 2 \times 0.785 \times (1.25) \times 0.622 = 2.96 \text{ m}^3$
					$2 \times 2 \times 0.785 \times (1.25) \times 0.622 = 2.96 \text{ m}^3$
					<u>135.58 m<sup>3</sup></u>

Continuation

⇒ 134.96 m<sup>3</sup>

05/10/2020  
J2





Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
8 em (B) Condy class of bridge 2.9 m shoulder width 7.6 m road width do width 2.4 m $0.30 \times 222.40 = 66.72$					66.72
<del>                             10 em (A) 10/10/20                              10/10/20                              10/10/20                         </del>					

9 em (A) 10/10/20 - Equipment 10/10/20 10/10/20 10/10/20 10/10/20 $2 \times (10 \times 300 \times 50) \times 0.375 \times 0.10 = 20.63$					20.63
<del>                             10/10/20                              10/10/20                              10/10/20                         </del>					

Continuation











Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
67 - Construction of canal segment with 7 banks off each side - do - lead 1000m					
					vide T.B. map (6) 1118.96 <sup>3</sup>
					Rs 174.94/10 <sup>3</sup> Rs 195751.20
78 - Construction of drainage in garden shoulders - do - are complete job is preserved lead 1000m					
					vide T.B. map (11) 696.42 <sup>3</sup>
					Rs 176.58/10 <sup>3</sup> Rs 122.97420
89 - Construction of drainage in garden shoulders - - do - are complete lead 1000m					
					vide T.B. map (10) 1624.98 <sup>3</sup>
					Rs 141.17/10 <sup>3</sup> Rs 229398.20
910 - 750 I - Construction of drainage in 55% by 50% of 1/2 of 1/2 of 1/2 of 1/2 of 1/2 - vide T.B. map (12) 995.25 <sup>3</sup>					
					Rs 2165.62/10 <sup>3</sup> Rs 2095618.20

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
1071 - Kottar. 111 - 9 <sup>1</sup> / <sub>2</sub> feet					
3 pieces of 9 feet					
Common Stone					
Asphalted to					
with Bitumen in Cement					
do -					
vide map (17) 447. 533 <sup>3</sup>					
of 2824. 21/5 <sup>3</sup> 12.73138-5					
1119 - Pipe 2 feet long					
press on form stay					
Asphalted -					
do -					
vide map (2) 2nd					
of 9154. 5/10 830620					
1230 - Driveway pipe					
300 meters. Asphalted					
of 9 meters cement					
concrete structure					
300 meters.					
vide map (3) 17.50 m <sup>2</sup>					
vide - (1) 7.50 m <sup>2</sup>					
25 m <sup>2</sup>					
of 888.35/10 2226920					

Continuation

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
13/31 Earth work in excavation for — — — — —					
Volume of (3) 31-32-33					
		269.32	8.6		8435 = <sup>m</sup>
14/32- for m/s relative concrete on foundations — do —					
Volume of (4) 5.70 m <sup>3</sup>					
		269.32	8.6		25226 = <sup>m</sup>
15/33 Plain Plain concrete  concrete substructure — do —					
Volume of (4) 30.34 m <sup>3</sup>					
		5141.22	8.6		155985 = <sup>m</sup>
16/34- Plain concrete Pebbles for culvert — do —					
Volume of (5) 1.5 m <sup>3</sup>					
		995.91	8.6		14939 = <sup>m</sup>
17/36- Earthwork in excavation for — do —					
Volume of (2) 119.20 m <sup>3</sup>					
		269.32	8.6		32103 = <sup>m</sup>

Continuation



Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
18/37 - Pile pile structure concrete on foundation — — —					
19/38 - Pile pile concrete structure — — —					
20/39 - Pile pile structure concrete — — —					
21/41 - Pile pile structure concrete — — —					
22/42 - Pile pile structure concrete — — —					

Continuation

