

આવક (૬૯)

DevI Mandir to Igumahi Road

Schedule XIV-Form No. 134

કાર્યપાલક અધિયંત્રા, જ્ઞાતીજી કાર્ય વિભાગ, કાર્ય-કાર્યકર

DIVISION

સરખા અધિયંત્રા, કાર્ય સ્વરૂપ - ૨૫/૩૫

SIB-DIVISION

MEASUREMENT BOOK

૪૨૩

સંવર્ધન :- કાચીયા જોટી construction

1st 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 - Const of the road from Devi Mandir to Igamahi Road under MMGSY - SC scheme.					
Agency - Divya Jyoti Construction					
Agreement No - 43 SBT/MMGSY/SC/2021-22					
Date of Work order - 29-10-2021					
Date of Completion - 28-10-2022					
Agreement value - 5681912 = 10					
Record Entry					
Item No (1/112) Plv and fixing working Bench mark as per comp job — 2 Nos					
Item No (2/112) Plv and fixing reference Pillar as per comp job — 4 Nos					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No (3) P/V clearing and grubbing of road land —					
2x 20x30.00 x 3.50 =					4200.00m ²
2x 16x30.00 x 3.50 =					3360.00m ²
2x 1x10.00 x 3.50 =					70.00m ²
					7567.00m ²
				Say	0.76 Hect
Item No (4) P/V Const of embankment with approved material					
As per T/S —					
20x30.00 x $\frac{(6.90+6.50)}{2}$ x $\frac{(3.10+2.90)}{2}$ x 40 =					888.00m ³
10x30.00 x $\frac{(7.10+6.40)}{2}$ x $\frac{(3.20+2.80)}{2}$ x 45 =					506.25m ³
					1394.25m ³
Lead 100m length —					627.41m ³
Item No (5) P/V Const of embankment with approved material as per T/S lead 1000m length —					
					766.84m ³

Adm. No. 2016/2022
J.E

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
Item No. $\left(\frac{6}{31}\right)$ P/V Dismantling					
Of existing concrete					
Structure as per T/S					
$3 \times 3.50 \times 1.14 \times 0.15 =$					1.80 m^3
$1 \times 3.50 \times 1.54 \times 0.15 =$					0.81 m^3
					2.61 m^3
Item No. $\left(\frac{7}{32}\right)$ P/V Dismantling					
Of existing masonry					
Structure as per T/S					
$3 \times 2 \times 4.20 \times 0.825 \times 2.50 =$					51.99 m^3
$1 \times 2 \times 6.20 \times 0.825 \times 3.10 =$					30.69 m^3
					82.68 m^3
Item No. $\left(\frac{8}{33(2)}\right)$ P/V removing					
Of 600mm dia Hume					
Pipe as per T/S					
$3 \times 3 \times 2.50 =$					22.50 m
Item No. $\left(\frac{9}{33(2)}\right)$ P/V removing					
Of 900mm dia Hume/pipe					
as per T/S -					
$1 \times 2 \times 2.50 \text{ m} =$					5.10 m

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No. $\frac{10}{3}$ Plv excavation for roadway cutting as per T/S					
$2 \times 5 \times 30.00 \times 0.375 \times 0.100 =$					$11.25 m^3$
$2 \times 1 \times 10.00 \times 0.375 \times 0.100 =$					$0.75 m^3$
					$12.00 m^3$
Item No. $\frac{11}{4}$ Plv const of embankment from roadway cutting as per T/S					
60% of $12.00 m^3$ —					$7.20 m^3$
Item No. $\frac{12}{7}$ Plv const of Subgrade & Earthen Shoulder as per T/S —					
$14 \times 30.00 \times 7.10 \times 0.300 =$					$894.60 m^3$
$10 \times 30.00 \times 7.15 \times 0.300 =$					$643.50 m^3$
$1 \times 20.00 \times 7.25 \times 0.300 =$					$43.50 m^3$
					$1581.60 m^3$
Lead 1000m length					
30% of $1581.60 m^3$ —					$474.48 m^3$
Item No. $\frac{13}{8}$ Plv const of Subgrade & Earthen Shoulder as per T/S					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
20% 81581.60 m ³ -					1107.12 m ³
<u>Aumar</u> <u>11/7/2022</u> <u>J.E</u>					
<u>Record Entry</u>					
<u>2 Nos 16 600 mm dia culvert</u>					
<u>Item No (14)</u> <u>(24) Div earthwork</u>					
<u>in excavation for</u>					
<u>foundation as per</u>					
<u>-1/5</u>					
H.W. 2x2x3.90x1.150x1.50 = 26.91 m ³					
Below Pipe 2x1x5.350x1.130x0.365 = 4.41 m ³					
					31.32 m ³
<u>Item No (15)</u> <u>(25) Div P.C.C. M15</u>					
<u>Grade in Levelling Course</u>					
<u>as per T/S</u>					
H.W. 2x2x3.90x1.150x0.150 = 2.69 m ³					
Below Pipe 2x1x5.311x1.130x0.1250 = 3.10 m ³					
					5.69 m ³
<u>Item No (16)</u> <u>(29) Div and Laying</u>					
<u>R.C.C. pipe N.P. 3 for</u>					
<u>Culvert as per T/S -</u>					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2x 3x 2.50m =					15.00m
Item No $\frac{17}{26}$ Plv Plain/R.C.C.					
Grade in substructure					
eq per +LS					
H.W. 2x2x3.60x0.70x2.780					28.02m ³
Parapet 2x2x3.60x0.40x0.60					3.46m ³
					31.48m ³
less for pipe 2x2x0.7857x0.83x0.83x0.53					1.15m ³
					30.33m ³
As per 8/7/2022 J.E.					

Record Entry

1 No 1000mm dia culvert

Item No $\frac{18}{24}$ Plv earthwork
excavation for foundation

H.W. 2x6.450x1.40x1.50					27.09m ³
Below pipe 1x4.850x1.53x0.365					2.71m ³
					29.80m ³

Item No $\frac{19}{25}$ Plv PCC M15

Grade in levelling course

H.W. 2x6.450x1.40x0.150					2.71m ³
Below pipe 1x4.93x1.53x0.250					1.89m ³
					4.60m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No. $\frac{20}{28}$ P/V and laying					
R.C.C. pipe N.P. 3					
3X 2.50 m =					7.50 m
Item No. $\frac{21}{28}$ P/V Plain/R.C.C. M20					
Grade in Substructure					
H.W. 2X 6.150 X 0.825 X 3.180 =					32.27 m ³
Penetration 2X 6.150 X 0.40 X 0.60 =					2.95 m ³
					35.22 m ³
Less for pipe 2X 0.785 X 1.23 X 1.23 X 0.622 =					1.48 m ³
					33.74 m ³
Advised 12/7/2022 J.E.					

Record Entry

Item No. $\frac{22}{9}$ P/V const'd					
Granular Subbase as per JIS					
2X 5X 30.00 X 0.375 X 0.100 =					11.25 m ³
2X 1X 10.00 X 0.375 X 0.100 =					0.75 m ³
6X 2.40 X 1.85 X 0.100 =					2.66 m ³
5X 2.05 X 1.95 X 0.100 =					2.00 m ³
3X 2.60 X 2.00 X 0.100 =					1.56 m ³
4X 1.60 X 1.40 X 0.100 =					0.90 m ³
5X 30.00 X 3.75 X 0.100 =					56.25 m ³
15X $\frac{5.25 + 3.75}{2} - 3.75$ X 0.100 =					1.13 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5 X 2.10 X 1.80 X 0.20 =					3.60 m ³
4 X 2.15 X 1.70 X 0.20 =					2.92 m ³
12 X 30.10 X 4.05 X 0.200 =					291.60 m ³
11 X 30.10 X 4.05 X 0.200 =					267.30 m ³
15 X (6.28 + 4.05 - 4.05) X 0.20 =					3.30 m ³
2 X 12 X (4.05 + 6.40 + 4.05 - 4.05) X 0.20 =					2.16 m ³
					647.38 m ³
Item No (23/17) P/V and fixing typical					
M.N.G.S.Y Sign board as per - 2 Nos					
Suman 19/7/2022 J.E					

Material Statement

Earthwork - 2975.85 m³Stone Metal 582.64 m³Local Sand - 246.00 m³

~~Suman~~
19/7/2022
J.E

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
① 1/10 Plv and fixing Bench mark - T/S 2 Nos vide TMB Page ① @ Rs 3629 = 37/- each - Rs 7259 = Rs					
② 1/22 Plv and fixing reference pillar - T/S 4 Nos vide TMB Page ① @ Rs 1658 = 20/- each - Rs 6634 = Rs					
③ 2/2 Plv clearing and grubbing road land, 0.76 Hect vide TMB Page ② @ Rs 52970 = 337/- Hect - Rs 40257 = Rs					
④ 4/3 Plv excavation for roadway cutting - T/S 12.10 m ³ vide TMB Page ④ @ Rs 75 = 57/- m ³ — Rs 907 = Rs					
⑤ 5/4 Plv const of embankment from roadway cutting 7.20 m ³ vide TMB Page ④ @ Rs 26 = 68/- m ³ — Rs 192 = Rs					
⑥ 6/5 Plv const of embankment lead 100 m length - T/S 627.41 m ³ vide TMB Page ② @ Rs 143 = 20/- m ³ — Rs 89845 = Rs					
⑦ 7/6 Plv const of embankment lead 1000 m length - T/S					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
766.84 m ³ vide TMB Page ②					
Rs 1910 = 36/m ³ — Rs 145976 = 10					
⑧ P/V const of Subgrade					
2 E/S Lead 100m length T/S					
474.48 m ³ vide TMB Page ④					
Rs 192 = 04/m ³ — Rs 91119 = 10					
⑨ P/V const of Subgrade					
E/S Lead 100m length T/S					
1107.12 m ³ vide TMB Page ⑤					
Rs 131 = 20/m ³ — Rs 145254 = 10					
⑩ P/V const of L.S.B for 5					
647.38 m ³ vide TMB Page ⑧					
Rs 2001 = 98/m ³ — Rs 1276042 = 10					
⑪ P/V and fixing typical					
MMCSY Logo Board T/S					
2 Nos vide TMB Page ⑧					
Rs 9502 = 07/each — Rs 19004 = 10					
⑫ P/V Earthwork in excavation					
for foundation T/S					
31.32 m ³ vide TMB Page ⑤					
29.80 m ³ vide TMB Page ⑥					
61.12 m ³					
Rs 279 = 09/m ³ — Rs 17058 = 10					
⑬ P/V PCC MIS grade in					
open foundation T/S					
5.69 m ³ vide TMB Page ⑤					
4.60 m ³ vide TMB Page ⑥					
10.29 m ³					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Rs 4667 = 78/m ³ - Rs					48031 = w
(14) (26) Plv Plain / Rcc m ²⁰					
Grade in substructure IS					
30.33 m ³ vide TMB Page (6)					
35.22 m ³ vide TMB Page (7)					
65.55 m ³					
① Rs 5419 = 28/m ³ - Rs					355234 = w
(15) (28) Plv and laying Rcc.					
pipe N.P. 3 for culvert					
7.50 m vide TMB Page (7)					
① Rs 3722.34/m - Rs					27918 = w
(16) (29) Plv and laying Rcc.					
pipe N.P. 3 for culvert					
15.10 m vide TMB Page (6)					
① Rs 2063 = 93/m - Rs					30959 = w
(17) (31) Plv Dismantling cb					
existing concrete - TS					
2.61 m ³ vide TMB Page (3)					
① Rs 497 = 81/m ³ - Rs					1299 = w
(18) (32) Plv Dismantling cb					
existing masonry.					
82.68 m ³ vide TMB Page (3)					
① Rs 235 = 98/m ³ - Rs					19511 = w
(19) (33(2)) Plv removing broom					
dia 100 mm pipe					
22.50 m vide TMB Page (3)					
① Rs 181 = 13/m - Rs					4075 = w

Continuation

B.C. 234577 ✓

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
20 33022	Plv	removing	900		
	mm	time	pipe		
	S.W. in vide TMB Page (3)				
CB 244	= 72	/m	—	Rs	1225=00
			Rs	23	47799=00
	Add 12% GST W/B				281736=00
	Add 1% L. less W/B				23478=00
	Add S.F. — W/B				27365=00
			Rs	2680378=00	
	Less 26% below — W/B				696898=00
			Rs	1983480=00	
Summar	Recd	Ch P			
19/7/2022	19/7/2022				

Continuation