

Tamara to Badakh

(Bittala)
(Box)

Schedule XLV-Form No. 134

(NEW)

Bashar 2

DIVISION

Bittala

SUB-DIVISION

MEASUREMENT BOOK

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 jamuniya to Badhe tal					
Agency: M/s Om Shree Shree Mahamey					
Prises, Gopalgarh					
Agreement NO: 315BD of 18-20					
Date of Start: 27/12/2018					
Agreement Amount Rs 1,17,34,257/-					
Date of Completion: 26/12/2020					
<u>Revised Measurement</u>					
1. Construction of working B.M. = 1.46 km					
2. Clearing and grubbing road land					
	2x48x30.00x1.50	-			4320
	2x1x20.00x1.50	-			60 m ²
					4380
				Total:	2790 m ²
				Say =	0.2249
3. Construction of embankment					
	48x30.00x($\frac{6+6.5}{2} - \frac{5+4.2}{2}$)x0.60				1925.80 m ³
	1x20.00x($\frac{6+6.5}{2} - \frac{5+4.2}{2}$)x0.60				19.20 m ³
				Total:	1944.80 m ³
Construction of embankment ... 12nd up to					
	1000 m (20% of total)				433.44 m ³
Construction of embankment ... 12nd					
	up to 100 m (70% of total)				1011.36 m ³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4 Excavation for road way					
	2X37X30.WX	0.525X	0.1W		116.55m ³
	2X10X30.WX	0.375X	0.1W		22.50m ³
				Total =	139.05m ³
Accepted by					
26/09/2020					
JE					
Reward measurement					
1 Construction of granular sub-base					
	2X37X30.WX	0.525X	0.1W		116.55m ³
	37X30.WX	4.050X	0.1W		449.55m ³
	2X10X30.WX	0.375X	0.1W		22.50m ³

For repair.	12X9.50X	1.50X	0.1W		17.10m ³
	10X5.50X	1.20X	0.15		9.90m ³
	11X4.50X	1.35X	0.10		6.68m ³
				Total	622.28m ³

Accepted by					
22/09/2020					

Reward measurement					
Box culvert					
(1X2mX2m)					

1 Earth work in excavation					
Rett	1X	2.50X	5.50X	0.25	7.15m ³
Chamber	2X	6.50X	0.50X	1.50	9.75m ³
Pitching of m	1X	8.50	1.50X	0.60	7.65m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
D/S	1X	8.50X	2.20X	0.60	11.20m ²
Site clearance & leveling (LS)					19.05 "
				Total	54.80 "
2. Sand filling in foundation					
Rstt	1X	2.50X	5.20X	0.15	1.95m ²
Cut & fill	2X	6.50X	0.50X	0.10	0.65 "
				Total	2.60m ²
3. Providing PCC M15 in open foundation					
Rstt	1X	2.50X	5.40X	0.15	2.025m ²
Cut & fill	1X2X	6.50X	0.50X	0.20	1.35 "
				Total	3.375m ²
4. Supplying, fitting and placing HYSD bar reinforcement in					
Cut off wall 10mm ϕ bar @					
200 mm c/c					
2X2X12X				1.26	65.28m
Main bar in return wall 10mm					
ϕ bar up to slab level @					
200 mm c/c					
4X2X11X				2.55	312.4m
Distribution bar in cut off					
wall and R/W up to bed level					
10mm ϕ bar @ 200 mm c/c					
2X2X6X				6.50	156m
Distribution bar in R/W above					
bed level 10mm ϕ bar @ 200mm c/c					
4X2X13X				2.25	274m

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10 mm ϕ bar in Rdt @ 150 mm/c					
	2X	40 X	2.50	=	200 m
Distribution bar in Rdt 10 mm ϕ bar @ 200 mm c/c					
	2X	11 X	6.00	=	132 m
Main bar in Abutment inner side of box about 10 mm ϕ bar @ 200 mm c/c					
	2X	30 X	2.50	=	150 m
Main bar in Abutment outside of box 10 mm ϕ bar @ 150 mm c/c					
	2X	40 X	2.50	=	200 m
Distribution bar in Abutment					
10 mm ϕ bar @ 200 mm c/c					
	4X	11 X	6.00	=	264 m
Angle bar connecting to Rdt and Abutment 10 mm ϕ bar 150 mm c/c					
	2X	40 X	1.40	=	112 m
Horizontal bar connecting to Rdt and Abutment 8 mm ϕ bar @ 50 mm c/c					
	2X	40 X	1.15	=	92 m
Over lap bar 10 mm ϕ bar					
	24X	0.40		=	13.60 m
Chain bar					
	2X	4 X	1.25	=	10 m

Continuation

Particulars	Details of actual measurement				Co- of area
	No.	L.	B.	D.	
2 Providing RCC m/s in					
Rft =	1x	6.00	2.50	0.25	3.75 m ²
1/4 Rft =	2x	6.50	0.30	0.85	3.32 "
				Total =	7.07 m ²

Accepted by
70/09/2000
DE

Revised measurement

Supplying, fitting and placing

HYSD bar in Slab (lower)

size 12mm ϕ bar @ 150mm

C/C

1x 40x 2.50 = 100 m

Main bar in slab (upper side)

10mm ϕ bar @ 150mm C/C

1x 40x 2.50 = 100 m

Distribution bar in slab 10mm

ϕ bar @ 150mm C/C

2x 16x 6.00 = 132 m

Angle bar connecting to slab

and abutment 8mm ϕ bar

@ 150mm C/C

2x 40x 1.40 = 112 m

Horizontal bar connecting to slab

and abutment 8mm ϕ bar

@ 150mm C/C

2x 40x 1.15 = 92 m

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2. Providing RCC masonry					
Abutment	2X	6.00X	0.25X	2.00	6.00 m ²
R/W	4X	2.00X	$\left(\frac{0.20+0.25}{2}\right)$ X	2.00	4.95 m ²
Foundation	4X	$\frac{1}{2}$ X	6.00X	0.15X	0.22 m ²
					Total = 11.22 m ²
3. Providing weep hole in culvert					
	2X	5X	2		= 20 hrs
Abutment					
01/11/2025					
JK					
Revised measurement					
1. Supplying, fitting and placing					
HYSD bar in parapet wall					
Bar 10 mm ϕ bar @ 200 mm/c/c					
	2X	2X	12X	1.00	= 48.00 m
Distribution bar in parapet					
10 mm ϕ bar in parapet					
	1X	2X	2X	9X	2.50 = 40.00 m
2. Providing RCC masonry					
Deck slab	1X	6.00X	2.00X	0.25	= 3.25 m ²
Parapet	2X	2.50X	0.25X	0.60	= 0.75 m ²
					Total = 4.00 m ²
Abutment					
03/11/2025					
JK					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Revised measurement</u>					
1 Providing Back filling below					
Asbestos					
	2X	6.00X	2.00X	0.60	= 14.40 m ²
Total length of 8 mm ϕ bar =					286 m
Wt @ 0.40 kg/m					= 118.00 kg
Total length of 10 mm ϕ bar =					2273.28 m
Wt @ 0.617 kg/m					= 1402.61 kg
Total length of 12 mm ϕ bar =					100.2 m
Wt @ 0.89 kg/m					= 89 kg
Total length weight of HYSD					= 1610.41 kg
					Say = 1.61 MT
<u>Revised measurement</u>					
1 Providing and Fixing					
MMGS in Formwork sign					
600					= (2.00 m ²)
<u>Revised measurement</u>					
11/10/2020					
12					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material statement</u>					
1. Earth work		1444.80 m ²			(1.71/m ²)
2. Stone metal		372.268 m ²			(516.42/m ²)
3. Stone metal		149.247 m ²			(411.31/m ²)
4. Crushed Sand		224.021 m ²			(188.40/m ²)
5. Stone chip		23.691 m ²			(550.85/m ²)
6. Course sand		14.764 m ²			(614.17/m ²)
7. Cement		10.30 t			(5002.4/t)
<u>Material</u> 11/10/20  11/10/20					

<u>Abstract of work</u>					
1. Const of working B.M. side TMD					
page no. 1 = 1.46 km @ Rs.					
12 386275/km					
Rs. 18085 = 0					
2. Cleaning and grubbing road					
side TMD pg no. 1 = 0.44 Hmt					
@ Rs. 49,496 = 70/Hmt					
Rs. 21779 = 0					
3. Const of embankment - 1 Hmt					
up to 1000 m side TMD pg no.					
1 = 433.44 m ² @ Rs. 174 = 83					
per m					
Rs. 75778 = 0					
4. Const of 50 ft embankment					
1 Hmt up to 100 m side					
TMD pg no. 1 = 1011.26 m ² @					
Rs. 58259/Hmt					
Rs. 59256 = 0					

Continuation Total Rs 174898 = 0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5/7 Excavation of road side					
TMB pf w 2 = 139.05 m ²					
@ Rs 74 = 10/m ²					Rs. 10304:00
6/9 Construction of GSB side					
TMB pf w 2 = 622.28 m ²					
@ Rs 3972.74/m ²					Rs. 2472157:00
7/23 Provide and fix mg G.S. board side TMB pf w. 7 =					
2 nos. @ Rs 11790:00/each					Rs. 23580:00
8/31 Earth work in excavation					
side TMB pf w 3 = 54.80 m ²					
@ Rs 260.57/m ²					Rs. 14280:00
9/32 Sand filling side TMB pf w					
3 = 2.60 m ² @ Rs 397 = 34/m ²					Rs. 1033:00
10/34 Prov. pcc M15 side TMB pf					
w 3 = 3.975 m ² @ Rs 7404:80					
per m ²					Rs. 29434:00
11/39 Provide RCC M-20 side TMB					
pf w 5 = 7.07 m ² side TMB					
pf w. 6 = 11.22 m ² side TMB					
pf w. 6 = 9.50 m ²					
Total = 92.79 m ² @ Rs					
9154 = 44 /m ²					Rs. 208630:00
12/40 Back filling behind of Asphmt					
side TMB pf w. 7 = 14.40 m ²					
@ Rs 3833 = 94/m ²					Rs. 55209:00

Continuation

Total Rs. 2989526:00

C/R

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12 41 Provisional work hold vide TMD					
by w D = 20 nos. @ Rs. 83.27					
Each				Rs	1668.20
14 42 Supplying, fitting and placing					
HYSO bu vide TMD by w D =					
1.61 MT @ Rs. 538.08 = 28 / MT Rs.					86680.20
				Total Rs	3077874.20
		Add 12% GST		Rs.	369345.20
		Add 1% Gen		Rs	30779.20
				Total Rs	3477998.20
				less 0.1% as per agreement	Rs 3826.20

payable Amount Rs 3474172.20

Accepted by
11/10/2020
PC

11/10/20
RS