

Name of work:- Behar Sakshara Road to Bihol Block

Schedule XLV-Form No. 134

MR (3054)

विहार शरीर

DIVISION

अवर प्रमोड विन्द

SUB-DIVISION

* Dilip Kumar Verma

MEASUREMENT BOOK

3206

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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 measurements relating to each work).

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	D.
		<u>1st on final bill</u>		
Name of work:-		Bengal Sakshara		
		road to Bind Block		
Agency:-		Dileep Kumar		
		Narna		
Agreement No -		MBD-08/2023-24		
Date of commencement-		20/01/2024		
Date of completion-		19/10/24		

<u>As per Record entry</u>				
<u>① clearing & grubbing road land</u>				
	do	do	do	do
	2x10x20x1.00	=	400m ²	
	2x10x10x1.00	=	200m ²	
	2x5x20x1.00	=	200m ²	
	2x2x5x1.00	=	20m ²	
			=	820m ²
			24 HA	= 0.082 HA

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
② Excavation of road way (don't cut)					
do do do					
$2 \times 30 \times 0.375 \times 0.175 =$					3.9375
$2 \times 20 \times 0.375 \times 0.175 =$					2.625
$2 \times 25 \times 0.375 \times 0.175 =$					3.28125
$2 \times 30 \times 0.375 \times 0.175 =$					3.9375
$2 \times 30 \times 0.375 \times 0.175 =$					3.9375
$2 \times 20 \times 0.375 \times 0.175 =$					2.625
$2 \times 15 \times 0.375 \times 0.175 =$					1.96875
$2 \times 20 \times 0.375 \times 0.175 =$					2.625
$2 \times 30 \times 0.375 \times 0.175 =$					3.9375
$2 \times 15 \times 0.375 \times 0.175 =$					1.96875
$2 \times 18 \times 0.375 \times 0.175 =$					2.3625
$2 \times 12 \times 0.375 \times 0.175 =$					1.575
$2 \times 22 \times 0.375 \times 0.175 =$					2.85625
$2 \times 25 \times 0.375 \times 0.175 =$					3.28125
$2 \times 20 \times 0.375 \times 0.175 =$					2.625
$2 \times 15 \times 0.375 \times 0.175 =$					1.96875
					$= 45.4543$
③ Spreading of WSP wt-II in uniform layer					
do do do					
$2 \times 30 \times 0.375 \times 0.10 =$					2.25
$2 \times 20 \times 0.375 \times 0.10 =$					1.50
$2 \times 25 \times 0.375 \times 0.10 =$					1.875

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	3	20	0.375	0.10	$= 2.25 \text{ m}^3$
	2	30	0.375	0.10	$= 2.25 \text{ m}^3$
	2	20	0.375	0.10	$= 1.50 \text{ m}^3$
	2	15	0.375	0.10	$= 1.125 \text{ m}^3$
	2	20	0.375	0.10	$= 1.50 \text{ m}^3$
	2	30	0.375	0.10	$= 2.25 \text{ m}^3$
	2	15	0.375	0.10	$= 1.125 \text{ m}^3$
	2	18	0.375	0.10	$= 1.35 \text{ m}^3$
	2	12	0.375	0.10	$= 0.9 \text{ m}^3$
	2	22	0.375	0.10	$= 1.65 \text{ m}^3$
	2	25	0.375	0.10	$= 1.875 \text{ m}^3$
	2	20	0.375	0.10	$= 1.5 \text{ m}^3$
	2	15	0.375	0.10	$= 1.125 \text{ m}^3$
					26.02 m^3
					Limit as per ags. $= 16.16 \text{ m}^3$
④ P.V. Laying, Spreading W.B.M.					
W.B.M. in uniform thickness					
do do do					
	2	30	0.375	0.075	$= 1.68 \text{ m}^3$
	2	20	0.375	0.075	$= 1.125 \text{ m}^3$
	2	25	0.375	0.075	$= 1.40 \text{ m}^3$
	2	30	0.375	0.075	$= 1.6875 \text{ m}^3$
	2	20	0.375	0.075	$= 1.125 \text{ m}^3$
	2	20	0.375	0.075	$= 1.125 \text{ m}^3$
	2	15	0.375	0.075	$= 0.84 \text{ m}^3$
	2	20	0.375	0.075	$= 1.125 \text{ m}^3$

Continuation

[illegible]

	construction of dry lean concrete		
	do	do	all
6x1.10 x 0.50x0.10 =	0.33m ³		
8x1.50 x 1.0 x 0.10 =	1.20m ³		
15x0.90x0.60x0.10 =	0.81m ³		
17x1.0 x 0.50x0.10 =	0.85m ³		
22x0.80x0.50x0.10 =	0.88m ³		
15x0.35x0.75x0.10 =	1.06m ³		
20x0.50x0.50x0.10 =	0.50m ³		
3x1.25x1.00x0.10 =	1.125m ³		
10x0.75x0.60x0.10 =	0.45m ³		
	=	7.205m ³	

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
		8.16			7.205 m ²
	7x	1.20x0.75x0.10			0.63 m ³
	5x	1.70x1.20x0.10			1.02 m ³
	5x	0.80x0.75x0.10			0.30 m ³
	4x	1.0x0.80x0.10			0.32 m ³
					= 9.475 m ³
⑥ construction of cement concrete Pavement (M30 grade)					
do do do					
12.4x		3.75+3.75+4.50		x0.160	= 7.9 m ³
20x		5.70+6.20+5.0+5.4		x0.160	= 17.64 m ³
15.7x		5.40+6.65+5.2+3.0		x0.160	= 18.39 m ³
5x		5.80+6.40		x0.160	= 4.88 m ³
14x		6.40+12.50+7.0		x0.160	= 19.34 m ³
3x		7.0+4.80+3.2		x0.160	= 7.32 m ³
4x		2.0x3.75x0.160			= 7.2 m ³
1x		16.20x3.75x0.160			= 9.72 m ³
20.5x		3.25+4.50+12.0+3.75		x0.160	= 18.20 m ³
5x		3.0x3.75x0.160			= 9.0 m ³
1x		16x3.75x0.160			= 9.6 m ³
7x		4.50+11.80		x0.160	= 9.12 m ³
					= 284.31 m ³
		Limit as per agis.			= 260.58 m ³

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑦ Construction of subgrade					
Bearing shoulder					
— do — do — di					
$2 \times 30 \times 1.50 \times 2.0$					$= 180 \text{ m}^3$
$2 \times 30 \times 1.50 \times 2.25$					$= 202.50 \text{ m}^3$
$2 \times 30 \times 1.25 \times 2.50$					$= 187.50 \text{ m}^3$
$2 \times 30 \times 1.50 \times 1.75$					$= 157.50 \text{ m}^3$
$2 \times 30 \times 1.50 \times 2.50$					$= 180 \text{ m}^3$
$2 \times 20 \times 1.55 \times 2.50$					$= 155 \text{ m}^3$
$2 \times 30 \times 1.50 \times 2.25$					$= 202.50 \text{ m}^3$
$2 \times 30 \times 1.35 \times 2.0$					$= 162 \text{ m}^3$
$2 \times 30 \times 1.20 \times 2.0$					$= 144 \text{ m}^3$
$2 \times 30 \times 1.45 \times 2.25$					$= 195.75 \text{ m}^3$
$2 \times 30 \times 1.30 \times 1.30$					$= 117 \text{ m}^3$
$2 \times 30 \times 1.20 \times 1.30$					$= 93.6 \text{ m}^3$
$2 \times 20 \times 1.0 \times 1.30$					$= 52 \text{ m}^3$
$2 \times 20 \times 1.20 \times 1.30$					$= 62.4 \text{ m}^3$
					$= 2091.75 \text{ m}^3$
⑧ (i) Providing K.M Stone — 02 No.					
(ii) P.V 200 M Stone — 02 No.					
⑨ P.V & Fixing of retro-reflectoid					
cautionary, mandatory sign.					
(i) 600mm equilateral triangle — 02 No.					
(ii) 600mm circular sign — 02 No.					
(iii) 600mm x 450mm rectangular sign — 02 No.					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(10) Road marking with hot applied thermoplastic compound					
	—	do	—	do	—
	2x	6x	30x	0.10 =	36 m ²
	2x	6x	30x	0.10 =	36 m ²
	2x	1x	30x	0.10 =	6 m ²
	2x	1x	15x	0.10 =	3 m ²
					= 81 m ²
(11) Plus fixing Logo of maintenance project					
(12) Logo of Project					02 No.

(ii) citizen information board	—	02 No.
(iii) Logo of maintenance	—	01 No.

(12) fixing retro-reflectonised sign board		
	—	do — do — ei
	2x	1.20x0.50 = 1.20 m ²

(13) fixing reinforced cement concrete M15 grade boundary Pillar		
No	—	08 Nos.

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
① clearing & grubbing of road land					
--- do --- do --- el					
0.082 HA VTMB-P-01					
② 75573.34 HA					Rs = 6197.00
② excavation of road way					
--- do --- do --- el					
45.45 m ² VTMB-P-02					
③ 103.36 m ²					Rs = 4724.00

③ spreading of WSB W-III in uniform layer					
--- do --- do --- el					
16.13 m ³ VTMB-P-03					
④ 161577.65 m ³					Rs = 25447.00
④ Plus laying, spreading WBN W-III in uniform thickness					
--- do --- do --- el					
12.09 m ³ VTMB-P-04					
⑤ 3189.68 m ³					Rs = 88563.00
					= 74921.00

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑤ construction of dry lean concrete					14831.00
do do					
9.475 m ² VTM-B-P-05					
⑥ 1722.75 m ³					Rs= 44748.00
⑥ construction of cement concrete Pavement W30 grade					
do do					
260.58 m ³ VTM-B-P-05					
⑦ 8201.60 m ³					Rs= 2137172.00
⑦ construction of subgrade & earthen shoulder					
do do					
2031.75 m ³ VTM-B-P-06					
⑧ 260.68 m ³					Rs= 545277.00
⑧ (i) Providing km stone					
01 No VTM-B-P-06					
⑨ 2772.02 No					Rs= 2772.00
(ii) Providing 200m stone					
02 No VTM-B-P-06					
808.17 No					
⑩ 2772.02 No					Rs= 1616.00
					2806516.00

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
③ P/V 3 lining retro-reflectorised cautionary, mandatory, subordination sign					Rs. 2855.16.00
(i) 600mm equilateral triangle					
02 No VTMG-P-06					
② 4408.87/No					Rs= 8817.00
(ii) 600mm circular					
02 No VTMG-P-06					
② 4253.38/No					Rs= 8506.00
(iii) 600mm x 450mm rectangular sign					
02 No VTMG-P-06					
② 4108.85/No					Rs= 8217.00

④ road marking with hot applied thermoplastic compound					
do do do					
81m ² VTMG-P-07					
② 1008.35/m ²					Rs= 81483.00

① P/V 3 lining Logo of maintenance Project					
(i) Logo of Project					
02 No VTMG-P-07					
② 11428.66/No					Rs= 22857.00
(ii) citizen subordination Board					
02 No VTMG-P-07					
② 11428.66/No					Rs= 22857.00

Continuation Rs= 29592.03.00

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Particulars	Details of actual measure			Contents of area
	No.	L.	B.	
(iii) Logo of maintenance				Rs = 2553202.
01 No VTM B-P-03				
② 11428.66/m ²				Rs = 11428.66
⑫ String retro-reflectomised sign board				
— do — do — etc				
1.92 m ² VTM B-P-07				
② 14958.27/m ²				Rs = 28719.00
⑬ Fining of reinforced cement concrete M15 grade boundary pillar				
— do — do — etc				
08 No VTM B-P-07				
② 737.63/m ²				Rs = 6381.00
				Rs = 3005731.00
Add labour cost @ 1% =				30057.00
Add out @ 18% =				541031.00
Add security @ 10% =				35703.00
				Rs = 3612532.00
Less below 13/01% =				Rs = 666740.00
as per agreement				
				Rs = 2925792.00

Continuation

Signature
17/10/24
DE

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>Material Statement</u>					
W.B. (Wor-II)					
(i) S/metal					$= 12.41 \text{ m}^3$
(ii) local sand/screening					$= 8.27 \text{ m}^3$
W.B.M (Wor-III)					
(i) S/metal					$= 14.62 \text{ m}^3$
(ii) stone screening					$= 2.90 \text{ m}^3$
Cement concrete Pavement					
(i) Stone aggregate					$= 284.52 \text{ m}^3$
(ii) Sand					$= 117.26 \text{ m}^3$
E/W					$= 203.75 \text{ m}^3$

Continuation