

Record Entry

1

Name of work - 5m x 12 bay lane Cordak Sensor

Situation of work - 30m x 12 bay lane Cordak Sensor

Agency by which work is executed - Sudesh Kr Singh

Date of measurement - 3-10-23

No. and date of agreement - M.R.D - 02/2023-24

(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.	
Date of commencement				01-07-2023	
Date of completion (Approx)				31-02-2024	
1) Clearing of granular road					
Land - 10 - 10 - T.S -					
2x 10x 30.0M x 1.00M					= 600.00M ²
2x 10x 30.0M x 1.00M					= 600.00M ²
2x 10x 30.0M x 1.00M					= 600.00M ²
2x 3x 30.0M x 1.00M					= 180.00M ²
2x 1x 20.0M x 1.00M					= 40.00M ²
					2020.00M ²
					or 0.20 Hect.
2) Scarifying existing bituminous					
Surface - 10 - 10 - T.S -					
8x 30.0M x 2.00M					= 480.00M ²
3x 30.0M x 3.00M					= 270.00M ²
1x 3.0M x 3.25M					= 9.75M ²
3x 30.0M x 2.50M					= 225.00M ²
					984.75M ²
3) Construction of granular					
Sub base by partial road wall					

Continuation

2
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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
gravel material spreading					
do do		per	115		
3 in patch pole					
on on to 1000 m					
6x	0.80M	x	0.60M	x	0.15M = 0.43M ³
2x	1.10M	x	0.30M	x	0.175M = 0.17M ³
2x	1.70M	x	0.50M	x	0.450M = 0.26M ³
4x	1.20M	x	0.90M	x	0.175M = 0.34M ³
6x	1.50M	x	0.70M	x	0.150M = 1.22M ³
5x	1.80M	x	0.20M	x	0.175M = 0.32M ³
4x	1.90M	x	0.50M	x	0.15M = 0.57M ³
5x	1.60M	x	0.80M	x	0.175M = 1.12M ³
1x	1.70M	x	0.60M	x	0.150M = 1.07M ³
9x	1.90M	x	0.90M	x	0.175M = 2.69M ³
9x	1.60M	x	0.80M	x	0.175M = 2.02M ³
11x	1.70M	x	0.80M	x	0.175M = 1.67M ³
9x	1.20M	x	0.40M	x	0.150M = 0.65M ³
8x	2.30M	x	0.80M	x	0.175M = 2.58M ³
6x	1.60M	x	0.30M	x	0.175M = 0.50M ³
3x	1.50M	x	0.70M	x	0.150M = 0.47M ³
4x	1.80M	x	0.70M	x	0.175M = 0.88M ³
3x	1.70M	x	0.70M	x	0.150M = 0.54M ³
4x	1.80M	x	0.40M	x	0.150M = 0.43M ³
6x	1.50M	x	0.30M	x	0.175M = 0.79M ³
10x	1.50M	x	0.60M	x	0.150M = 1.35M ³
11x	1.80M	x	0.90M	x	0.175M = 3.12M ³

Continuation

Particulars	Details of measurement				Contents of area
	No.	L	B	D	
7x 1.50m x 0.80m x 0.175m					1.47m ³
7x 1.90m x 0.80m x 0.175m					1.86m ³
9x 1.60m x 0.40m x 0.150m					0.96m ³
8x 1.20m x 0.80m x 0.175m					1.34m ³
10x 1.70m x 0.40m x 0.150m					1.02m ³
5x 1.40m x 0.50m x 0.175m					0.61m ³
10x 1.80m x 0.20m x 0.175m					0.63m ³
6x 1.90m x 0.50m x 0.150m					0.86m ³
6x 1.70m x 0.60m x 0.150m					0.92m ³
Total Qty = 32.74m ³					

3-10-23
J.E.

3-10-23
A.B.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
		rectal			
Date of measurement	6-10-23				
iii Binding, laying, spreading & compacting with binding					
- do - as per T/S -					
On patch pots -					
CH-0 M to 1000 M -					
6x 0.90M x 0.70M x 0.075M					0.29M ³
3x 1.20M x 0.40M x 0.075M					0.11M ³
2x 1.80M x 0.60M x 0.075M					0.16M ³
4x 1.30M x 0.50M x 0.075M					0.20M ³
6x 1.60M x 1.00M x 0.075M					0.72M ³
5x 1.90M x 0.30M x 0.075M					0.21M ³
4x 2.00M x 0.60M x 0.075M					0.36M ³
5x 1.70M x 0.90M x 0.075M					0.57M ³
7x 1.80M x 0.70M x 0.075M					0.66M ³
9x 2.00M x 1.00M x 0.075M					1.35M ³
9x 1.70M x 0.90M x 0.075M					1.03M ³
7x 1.80M x 0.90M x 0.075M					0.85M ³
9x 1.30M x 0.50M x 0.075M					0.44M ³
8x 2.40M x 0.90M x 0.075M					1.30M ³
6x 1.70M x 0.40M x 0.075M					0.31M ³
3x 1.60M x 0.80M x 0.075M					0.29M ³
4x 1.90M x 0.80M x 0.075M					0.46M ³
3x 1.80M x 0.80M x 0.075M					0.32M ³
4x 1.90M x 0.50M x 0.075M					0.29M ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6x	1.60M	x0.60M	x0.075M		= 0.43M ³
10x	1.60M	x0.70M	x0.075M		= 0.84M ³
11x	1.80M	x1.00M	x0.075M		= 1.57M ³
7x	1.60M	x0.90M	x0.075M		= 0.76M ³
7x	2.00M	x0.90M	x0.075M		= 0.95M ³
9x	1.70M	x0.50M	x0.075M		= 0.57M ³
8x	1.30M	x0.90M	x0.075M		= 0.70M ³
10x	1.80M	x0.50M	x0.075M		= 0.68M ³
5x	1.50M	x0.60M	x0.075M		= 0.34M ³
10x	1.90M	x0.30M	x0.075M		= 0.43M ³
6x	2.00M	x0.60M	x0.075M		= 0.54M ³
10x	1.00M	x0.80M	x0.075M		= 0.60M ³
8x	1.30M	x0.50M	x0.075M		= 0.39M ³
9x	1.90M	x0.70M	x0.075M		= 0.90M ³
11x	1.40M	x0.60M	x0.075M		= 0.60M ³
9x	1.70M	x1.10M	x0.075M		= 1.26M ³
8x	2.00M	x0.40M	x0.075M		= 0.48M ³
15x	2.10M	x0.70M	x0.075M		= 1.65M ³
10x	1.80M	x0.80M	x0.075M		= 1.08M ³
9x	1.90M	x0.70M	x0.075M		= 0.90M ³
12x	1.20M	x0.50M	x0.075M		= 0.54M ³
11x	1.90M	x0.90M	x0.075M		= 1.41M ³
12x	1.80M	x0.70M	x0.075M		= 1.13M ³
8x	1.50M	x0.60M	x0.075M		= 0.54M ³
9x	1.20M	x0.90M	x0.075M		= 0.73M ³
11x	1.60M	x0.80M	x0.075M		= 1.06M ³

Continuation

	<u>Contd.</u>		
Date of measurement -	16-10-23		
1) Providing, Laying spreading & compacting WBM Grading?			
-do-do- on per T/S-			
$10 \times 30.0\text{M} \times 3.75\text{M} \times 0.075\text{M}$	=	84.375M^3	
$10 \times 30.0\text{M} \times 3.75\text{M} \times 0.075\text{M}$	=	84.375M^3	
$10 \times 30.0\text{M} \times 3.75\text{M} \times 0.075\text{M}$	=	84.375M^3	
$3 \times 30.0\text{M} \times 3.75\text{M} \times 0.075\text{M}$	=	25.3125M^3	
$1 \times 20.0\text{M} \times 3.75\text{M} \times 0.075\text{M}$	=	5.625M^3	
		<u>284.060</u>	
2) Providing and applying primer coat with bitumen			

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[illegible]

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
(2) Patch work over W.B.M.					
using mix sand surfacing					
do 20mm thick - do do -					
as per T/S -					
10x 30.0M x 3.75M					= 1125.00M ²
10x 30.0M x 3.75M					= 1125.00M ²
10x 30.0M x 3.75M					= 1125.00M ²
3x 30.0M x 3.75M					= 337.50M ²
1x 20.0M x 3.75M					= 75.00M ²
					3787.50M ²
(3) Providing & placing do					
typical MR in laboratory					
Sign board - do do - as					
per T/S -					
Qty - 5.0 Nos.					= 5.0 No.
(4) Providing & placing do					
reinforcement concrete					
Pipe - do do - T/S -					
Qty - 6x 2.50 M					= 15.00M
1					
20-10-23	23				
J-E					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1st on A/c				
Name of work	SH-8 Bourlame Sadak				
Source	Sasandi Ahar ke Paschim				
	Along to Daulatpur tal Patl				
Agency	Sudash Kumar Singh				
Date of measurement	27-10-23				
Agreement No.	MRD-02/2023-24				
Date of Commencement	01-07-2023				
Date of Completion (Appr)	31-03-2024				
Accepted Rate	10% Below of BQ Rate				

(1) Providing and applying
tack coat with bitumen
emulsion (RS-1) do do as
per T/S -
over bituminous surface.

$$10 \times 30.0 \text{ M} \times 3.75 \text{ M} = 1125.00 \text{ M}^2$$

$$10 \times 30.0 \text{ M} \times 3.75 \text{ M} = 1125.00 \text{ M}^2$$

$$10 \times 30.0 \text{ M} \times 3.75 \text{ M} = 1125.00 \text{ M}^2$$

$$3 \times 30.0 \text{ M} \times 3.75 \text{ M} = 337.50 \text{ M}^2$$

$$1 \times 20.0 \text{ M} \times 3.75 \text{ M} = 75.00 \text{ M}^2$$

$$\text{Curve -} \\ \text{CH-0M} - 1 \times 7.0 \text{ M} \times \left(\frac{8.60 + 5.00}{2} - 3.75 \right) \text{ M} = 21.35 \text{ M}^2$$

$$\text{CH-7M} - 1 \times 10.0 \text{ M} \times \left(\frac{5.00 + 3.75}{2} - 3.75 \right) \text{ M} = 6.25 \text{ M}^2$$

$$\text{CH-821M} - 2 \times 5.0 \text{ M} \times \left(\frac{5.80 + 3.75}{2} - 3.75 \right) \text{ M} = 10.25 \text{ M}^2$$

$$3825.35 \text{ M}^2$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Providing & Laying Semi dense bituminous concrete					
-do-do- as per T/S -					
10 x 30.0 M x 3.75 M x 0.025 M =					28.125 M ³
10 x 30.0 M x 3.75 M x 0.025 M =					28.125 M ³
10 x 30.0 M x 3.75 M x 0.025 M =					28.125 M ³
3 x 30.0 M x 3.75 M x 0.025 M =					8.437 M ³
1 x 20.0 M x 3.75 M x 0.025 M =					1.875 M ³
curve -					
CH-0M-1x7.0M x $\frac{8.40+5.00}{2}$ - 3.75 M x 0.025 M =					0.533 M ³
CH-7M-1x10.0M x $\frac{5.80+3.75}{2}$ - 3.75 M x 0.025 M =					0.156 M ³
CH-82M-2x5.0M x $\frac{5.80+3.75}{2}$ - 3.75 M x 0.025 M =					0.256 M ³
					95.632 M ³
(3)(i) Providing kilometer stone					
-do-do- as per T/S -					
Qty - 1.0 No					= 1.0 No.
(ii) Providing 200M stone -do-					
-do- as per T/S -					
Qty - 4.0 Nos					= 4.0 Nos
(4) Direction & place identification -do-do- T/S -					
4 x 1.20 M x 0.80 M =					3.84 M ²
(5) Providing & fixing of retro reflectorised cautionary mandatory & informative Sign -do-do- T/S -					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(i) 600mm scalloped & triangle					
Qty - 8.0 Nos					= 8.0 Nos
(ii) 600mm Circular					
Qty - 2.0 Nos					= 2.0 Nos
(iii) 600mm x 450mm rectangular					
Qty - 2.0 Nos					= 2.0 Nos
(6) Providing new letters & bigures do any shade do - do - as per T/S -					
Qty - 176.00 Nos.					= 176.00 Nos
(7) Road marking with hot applied thermoplastic compound					
do do - as per T/S -					
2x10x 30.0 M x 0.10 M					= 60.00 M ²
2x10x 30.0 M x 0.10 M					= 60.00 M ²
2x10x 30.0 M x 0.10 M					= 60.00 M ²
2x3x 30.0 M x 0.10 M					= 18.00 M ²
2x1x 20.0 M x 0.10 M					= 4.00 M ²
					202.00 M ²
(8) Construction of Subgrade & earthen shoulders with approved material obtained from borrow pits with load upto 1000 M ² per T/S -					
Shoulders -					

Continuation

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract ab Cost</u>					
(1/4) clearing and grubbing road					
Land do do - as per T/S -					
0.20 Hect. - Vide T.M.B.P. (1)					
0.20 Hect. @ Rs 72697.86 per Hect - Rs 14540.00					
(3/2) Scarifying existing bitumi					
- new surface do do - T/S -					
984.75 M ² - Vide T.M.B.P. (1)					
984.75 M ² @ Rs 20.54 per M ² - Rs 20227.00					
(3/2) Construction of Subgrade &					
earthen shoulders with					
approved material obtained					
from borrow pits do do - T/S -					
567.65 M ³ - Vide T.M.B.P. (12)					
567.65 M ³ @ Rs 260.00 per M ³ - Rs 147595.00					
(4/4) Construction of granular					
sub base by providing well					
graded material grading I					
do do - as per T/S -					
32.74 M ³ - Vide T.M.B.P. (3)					
32.74 M ³ @ Rs 1728.16 per M ³ - Rs 56580.00					
(5/6) Providing, Laying, spreading					
& compacting WBM Grading 2					
do do - as per T/S -					
33.50 M ³ - Vide T.M.B.P. (6)					
33.50 M ³ @ Rs 3472.51 per M ³ - Rs 116329.00					

Continuation

Continuation

Rs 355271.00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(6/6) Providing, laying & spreading 1 compacting with grading do do as per T/S -					R.F. P. 555211.00
284.0601 ³ Vide T.M.B.P. (6)					
284.0601 ³ @ Rs 3465.15 per m ³					Rs 984310.00
(7/7) Providing & applying primer coat with bitumen emulsion (SS-1) do do as per T/S -					
3787.50M ² Vide T.M.B.P. (7)					
3787.50M ² @ Rs 60.21 per m ²					Rs 228046.00
(8/8) Patch work over worn using Mix Sand Subacing do 20mm thick do do - as per T/S -					
3787.50M ² Vide T.M.B.P. (8)					
3787.50M ² @ Rs 274.41 per m ²					Rs 1039328.00
(9/9) Providing and applying tack coat with bitumen emulsion (RS-1) do do T/S -					
3787.50M ² Vide T.M.B.P. (9)					
3825.35M ² do do P. (9)					
7612.85M ² @ Rs 20.67 per m ²					Rs 157358.00
(10/10) Providing & laying semi dense bituminous concrete do do as per T/S -					

Continuation

Rs 2764313.00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
95.632M ² - Vide T.M.B.P. (10)					Rs 27164233.1
95.632M ² @ Rs 14285.99 per M ²					Rs 1366128.2
(11) (i) Providing kilometre stone - do - do - as per T/S					
1.0 No - Vide T.M.B.P. (10)					
1.0 No @ Rs 2777.64 per no.					Rs 2777.64
(ii) Providing 200M stone - do - do - T/S -					
4 Nos - Vide T.M.B.P. (10)					
4 Nos @ Rs 798.04 per no.					Rs 3192.00
(12) Direction & place iden- tification - do - do - T/S -					
3.84M ² - Vide T.M.B.P. (10)					
3.84M ² @ Rs 15497.13 per M ²					Rs 59508.00
(13) Providing & fixing do retro reflectorised caution - ry, mandatory & information sign - do - do - T/S -					
(i) 600mm equilateral triangle - 8.0 Nos - Vide T.M.B.P. (11)					
8.0 Nos @ Rs 4420.37 per no.					Rs 35363.00
(ii) 600mm circular - 2.0 Nos - Vide T.M.B.P. (11)					
2.0 Nos @ Rs 4428.07 per no.					Rs 8856.00
					Rs 4240204.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) 600mm x 4.50mm rectangular				B.F. R	240284=1
2.00 Nos - Vide T.M.B.P. (11)					
2.00 Nos @ Rs 4275.23 per no.					Rs 8550.46
(14) Providing new letters & figures of any shade					
do do - T/S -					
176.00 Nos - Vide T.M.B.P. (11)					
176.00 Nos @ Rs 0.72 per cent/lot.					Rs 127.00
(15) Planting of trees by the road side					
do do - as per T/S -					
46.00 Nos - Vide T.M.B.P. (12)					
46.00 Nos @ Rs 1201.50 per no.					Rs 55269.00
(16) Providing half brick circular tree guard					
do do - as per T/S -					
46.00 Nos - Vide T.M.B.P. (12)					
46.00 Nos @ Rs 2059.53 per no.					Rs 94738.58
(17) Road marking with hot applied thermoplastic					
do do - as per T/S -					
202.00 M ² - Vide T.M.B.P. (11)					
202.00 M ² @ Rs 825.75 per M ²					Rs 166801.50
					Rs 456563.92

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18/18) Boulding & laying do typical MR inermatory			B.F.	Pp	45656893
Sign board do do do - T/s					
S.O.Ns - Vide T.M.B.P. (8)					
S.O.Ns @ R 11269.94 per m. -					R 56350
(19/19) Boulding & laying do a reinforcement cement					
concrete pipe do do T/s					
15.00M - Vide T.M.B.P. (8)					
15.00M @ R 973.77 per m. -					R 14606
(20/20) Plastering with cement mortar (1:4) do do -					
as per T/s -					
38.90M ² - Vide T.M.B.P. (12)					
38.90M ² @ R 216.73 per M ² -					R 8431=00
(21/21) Painting two coats do do - as per T/s -					
38.90M ² - Vide T.M.B.P. (12)					
38.90M ² @ R 127.28 per M ² -					R 4951=00
					R 4650027=00
Add GST @ 18% (H)					R 837005=00
Add Labour cost @ 1% (H)					R 46500=00
					R 5533532=00
Add Saigniorage fee (H)					R 61486=00

Continuation

R 5595018=00

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06/2/24

35,248.61

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F. Rs	59,501.8=00
Less 10% below as per Appr (-) Rs					59,502=00
Limited as per fund available.					Rs 50,355.16=00
					35,248.61/-
					41,850.24=
27-10-23 J.E.					75,330.4=
					41,850=
					55,338
					50,355.16=
					29,155.66=
					52,480.2=
					29,156=
					55,337
					35,248.61=

S.D	Rs-	176,243=	✓
2% J.T	Rs-	58,311=	✓
1% L.L	Rs-	29,156=	✓
1% C.W.S.T	Rs-	29,156=	✓
1% S.W.S.T	Rs-	29,156=	✓
Royalty	Rs-	12,999.3=	✓
S.Fee	Rs-	55,337=	✓
Mis-E/Tra	Rs-	4,603.1=	✓
Cheque	Rs-	29,714.78=	✓
Grants	Rs-	352,486.1=	
Payable for	Rs-	352,486.1=	(Thru)
Five Lac twenty four thousand eight hundred thirty one only			

Continuation

7/2/24
Rural Work Department