

**कार्यपालक अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य प्रमंडल, जहानाबाद।**

पत्रांक 11 /

जहानाबाद, दिनांक: 4-1-2021 /

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, जहानाबाद।

सेवा में,
अधीक्षक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अंचल, औरंगाबाद।

विषय :- ग्रामीण कार्य विभाग, कार्य प्रमंडल, दाउदनगर के अधीन वर्ष 2020-21 में बाढ़ से क्षतिग्रस्त सड़कों का जौंच प्रतिवेदन समर्पित करने के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि भवदीय के आदेश के आलोक में कार्य प्रमंडल, दाउदनगर के अधीन वर्ष 2020-21 में भारी वर्षा एवं बाढ़ के फलस्वरूप क्षतिग्रस्त सड़कों का निरीक्षण किया गया जिसका विवरण निम्न प्रकार है-

क्र०	योजना का नाम	चैनेज जिस पर दुटा पाया गया	अनुमानित लंबाई	मोटेरेवल किया गया था या नहीं	अभ्युक्ति।
1	अरण्डा से बख्तियारपुर और बसावनपुर	110.00mtr 215.00mtr 812.00mtr	80.00mtr 30.00mtr 70.00mtr	हाँ	
2	नरौला से कलेन	0- 2700.00mtr	2700 mtr	हाँ	

विश्वासभाजन

61/1111
4-1-2021

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, जहानाबाद।

SIN	District	Division	Road Name	Scheme	Road Status	Is Maintenance (Y/N)	Is Agreement (Y/N)	Length (Km.)	Length of Damage Part Due to Flood	Tentative Restoration Amount (Lac)	Actual Restoration Amount (Lac)	Remarks	FDR Year	Start Latitude	Start Longitude	Mid Latitude	Mid Longitude	End Latitude	End Longitude	Block
10	Aurangabad	Daudnagar	Aranda to Bakhniar Pur Basawan Pur	MR	Completed	Yes	Yes	7.03	0.18	6	0	Restoration by brick wall	2020-21	25.05797	84.6885	25.05706	84.691446	25.05631	84.694434	Goh
11	Aurangabad	Daudnagar	Repair of road from Naraula to Kalen	MR	Completed	Yes	Yes	11.5	2.78	8.7	0	Heavy rain over flow of canal water	2020-21	24.86724	84.4496	24.88329	84.471194	24.92181	84.489488	Obm

अधीक्षण अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य अंचल, औरंगाबाद।

पत्रांक 1416 / औरंगाबाद, दिनांक 03/09/2020

प्रेषक

अधीक्षण अभियंता,
ग्रामीण कार्य विभाग,
कार्य अंचल औरंगाबाद।

सेवा में

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, औरंगाबाद / दाउदनगर / अरवल / जहानाबाद।

विषय: वर्ष 2020 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल करने हेतु किए गए कार्य की जांच के संबंध में।

महाशय

उपरोक्त विषय के संबंध में कहना है कि वर्ष 2020 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल करने हेतु किए गए कार्य की जांच हेतु निम्न व्यवस्था की जाती है।

क्रम	कार्यपालक अभियंता	आवृत्ति कार्य प्रमण्डल जिसकी जांच की जानी है
01	औरंगाबाद	अरवल
02	दाउदनगर	औरंगाबाद
03	अरवल	जहानाबाद
04	जहानाबाद	दाउदनगर

उपरोक्त आलोक में निदेश दिया जाता है कि तीन दिनों के अंदर आवृत्ति कार्य प्रमण्डल ने वर्ष 2020 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल करने हेतु किए गए कार्य की जांच करना सुनिश्चित किया जाये। संबंधित कार्यपालक अभियंता जांच हेतु पथों का प्राक्कलन तत्काल उपलब्ध करा दे।
विश्वरामभाऊ



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

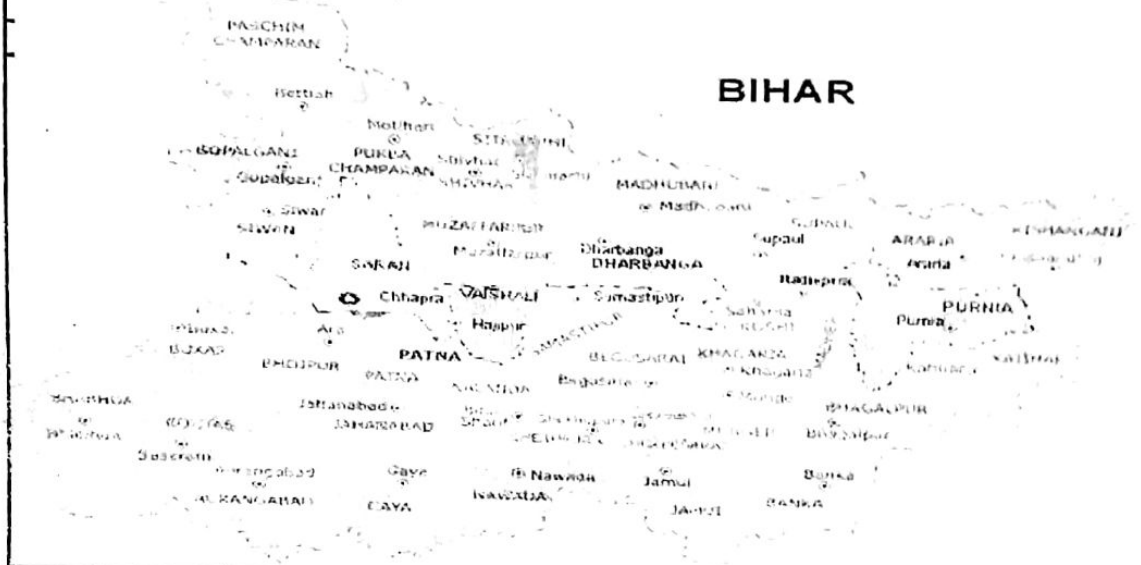


BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)
Govt. of Bihar

FDR

YEAR -2020-2021



RESTORATION OF ROAD FROM NARAULA TO KALEN

DISTRICT	:	AURANGABAD	
DIVISION	:	DAUDNAGAR	
BLOCK	:	OBRA	
PACKAGE NO	:		
TOTAL LENGTH OF ROAD	:	2.700	KM
TOTAL COST OF CD WORKS	:	0.000	Lac
TOTAL COST OF PAVEMENT	:	18.620	Lac
TOTAL COST OF CONSTRUCTION	:	19.235	Lac
BELOW 10%	:	1.923	Lac
TOTAL COST OF PROJECT	:	17.311	Lac

SUBMITTED BY:-

EXECUTIVE ENGINEER
RWD (W) DIVISION DAUDNAGAR
AURANGABAD

EDR

YEAR-2020-2021

GENERAL ABSTRACT OF COST

Block:--~~07DA~~

District: AURANGABAD

Length of Road:-- 2.700 KM

Name of Road:-- RESTORATION OF ROAD FROM NARAULA TO KALEN

SL. No.	Item of Work	Amount
A	CONSTRUCTION COST	17.027 18.620 Lacs
	Add GST @ 12%	2.042 2.234 Lacs
	Add Labour Cess @ 1%	0.170 0.186 Lacs
	TOTAL CONSTRUCTION COST INCLUDING GST AND L.C	19.239 21.041 Lacs
	BELOW 10% on SIR As Per Agreement	(-) 1.923 2.104 Lacs
	TOTAL	G.O. : 17.311 18.937 Lacs

Shukla
05-10-2020
Junior Engineer

Q. 5/10/20
Asstt. Engineer

A. 2/10/21
Executive Engineer

SE
RWD

Technically approved for Rs. 18.937
Rupees... ~~zero~~ ... ~~Eighteen~~ ...
Ninety Three thousands seven hundred only

S.E.
R.W.D (W) Circle
Aurangabad

SUMMARY OF COST ESTIMATE FOR THE PROJECT

PACKAGE NO.

NAME OF ROAD :

RESTORATION OF ROAD FROM NARAULA TO KALEN

DISTRICT

AURANGABAD

BLOCK

OBRA

DIVISION

DAUDNAGAR

LENGTH OF ROAD (in Km)

2.700

LENGTH OF BT PAVEMENT

80

LENGTH OF CC PAVEMENT

0

CD STRUCTURES

HUME PIPE

0

RCC CULVERT

0

BOX CELL CULVERT

0

CAUSEWAY / MINOR BRIDGE

0

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	PREPARATORY WORKS, SITE CLEARANCE, DISMANTLING	0.000
2	EARTHWORK	0.000
3	GSB GRADING - I	17.022
4	WBM GRADE III	0.000
4	brick bats	18.620
5	PRIME COAT	0.000
6	TACK COAT	0.000
7	MIX SEAL SURFACING	0.000
8	CEMENT CONCRETE	0.000
9	HARD SHOULDERING	0.000
10	SIDE DRAINS & CROSS DRAIN	0.000
11	PROTECTION WORKS	0.000
12	ROAD FURNITURES, KM STONES, TRAFFIC & DIRECTION SIGN, PMGSY LOGO	0.000
	SUB TOTAL OF PAVEMENT COST IN LACS =	17.022 18.620
13	CROSS DRAINAGE STRUCTURES	
I	HUME PIPE	0.000
II	RCC	0.000
III	BOX	0.000
IV	CAUSEWAY	0.000
V	REPAIR OF CD WORK	0.000
	SUB TOTAL OF CD STRUCTURES COST IN LACS =	0.000
	ADD GST @ 12 %	2.042 2.234
	ADD LABOUR CESS @ 1 %	0.170 0.186
	TOTAL COST OF PROJECT IN LACS =	21.234 21.041

Shukla
05-11-2020
JE
RWD

Chandra
5/11/20
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DB SL.NO	MORD Re/No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (In Rs.)
SUB HEAD : PREPARATORY WORKS, SITE CLEARANCE, DISMANTLING										
1	100	Setting Out Pillars Providing & Fixing of Working benchmark Pillars 2 nos. per km & 6 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I	No	0.00	2.700			0.0	2,151.04	0.00
2	2.2 201 (I-A)	Clearing and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and direction of E/I	Ha	0	2,700.00	3.500		0.00 0.00	52,966.72	0.00
SUB HEAD : EARTHWORK										
3	3.3 301.5	Construction of embankment with approved material deposited from road way cutting and excavation from drain and foundation of other structures and excavated with an average lead of 50 m graded and compacted to meet requirement of tables 300.1 and 300.2 as per technical specification clause 301.5 (Including Royalty & Labour Cess).					0.00			
			Cum		Total Qty.		0.00	0.00	29.35	0.00
4	3.4 301.5	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5. (Including Royalty & Labour Cess).								
		For 1000 m lead	Cum	0.00	180.00	6.000	0.80	0.00 0.00	190.36	0.00
5	4.1 401	(By mix in place method) For Grading II Material Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401. AS Per Pot Measurement (Calculation Sheet Attached	Cum					945.00 945.00	1,970.41	18,62,037.00
B) SUB TOTAL OF CRUST =										18,62,037.00
TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F)=										18,62,037.00

Shukla
25-11-2020
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5/10/20
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RWD

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RWD

1702199.00
Shukla
17.02.2021

RESTORATION OF ROAD FROM NARAILA TO KALEN

No	L	W	D	Q
1	24	1.9	0.175	7.900
1	24	1.8	0.175	7.245
1	24	1.3	0.175	5.460
1	25	1.9	0.175	8.413
1	24	1.9	0.175	7.648
1	29	2	0.175	8.400
1	27	1.85	0.175	9.109
1	20	1.75	0.175	8.269
1	24	1.75	0.175	8.575
1	23	1.6	0.175	6.720
1	29	1.7	0.175	6.843
1	25	1.85	0.175	9.389
1	27	1.95	0.175	8.541
1	24	1.7	0.175	8.031
1	25	1.8	0.175	7.560
1	21	1.9	0.175	8.413
1	27	1.9	0.175	7.648
1	23	1.8	0.175	8.505
1	30	1.9	0.175	7.648
1	24	1.75	0.175	9.100
1	24	1.8	0.175	7.560
1	27	1.9	0.175	7.980
1	23	1.9	0.175	8.978
1	28	1.8	0.175	7.245
1	25	1.6	0.175	7.84
1	23	1.9	0.175	8.313
1	24	1.9	0.175	7.648
1	23	2	0.175	8.400
1	27	1.75	0.175	7.044
1	23	1.85	0.175	8.741
1	23	1.8	0.175	7.245
1	24	1.9	0.175	7.648
1	26	2	0.175	8.400
1	25	1.6	0.175	7.280
1	26	1.9	0.175	8.313
1	24	1.85	0.175	8.418
1	27	2	0.175	8.400
1	29	1.62	0.175	7.655
1	24	1.62	0.175	8.222
1	21	1.7	0.175	7.140
1	23	1.85	0.175	6.799
1	31	1.85	0.175	7.446
1	24	1.76	0.175	9.548
1	27	1.8	0.175	7.560
1	26	1.9	0.175	8.978
1	26	1.95	0.175	8.873
1	25	1.63	0.175	7.417
1	26	2	0.175	8.750
1	24	1.8	0.175	8.190
1	25	1.9	0.175	7.980
1	26	2	0.175	8.750
1	27	1.9	0.175	8.645
1	28	1.85	0.175	8.741
1	22	1.9	0.175	9.310
1	25	1.9	0.175	7.315
1	26	1.8	0.175	7.875
1	23	2	0.175	9.100
1	25	2.1	0.175	8.453
1	21	1.7	0.175	7.438
1	25	2	0.175	7.350
1	24	2.1	0.175	9.188
1	25	1.8	0.175	7.560
1	25	2.2	0.175	9.625
1	26	1.7	0.175	7.735

RESTORATION OF ROAD FROM NARAILA TO XALIN

1000M TO 2000M
2000M TO 2700M

Details of Piles (GCM)				
No	L	W	Q	Q
1	24	1.8	0.175	8.175
1	24	1.8	0.175	8.175
1	24	1.8	0.175	8.175
1	24	1.75	0.175	8.175
1	22	1.88	0.175	8.175
1	24	1.88	0.175	8.175
1	24	1.8	0.175	8.175
1	26	1.8	0.175	8.175
1	26	1.75	0.175	8.175
1	28	1.88	0.175	8.175
1	28	1.8	0.175	8.175
1	26	1.7	0.175	8.175
1	24	1.8	0.175	8.175
1	28	1.8	0.175	8.175
1	24	1.8	0.175	8.175
1	31	1.8	0.175	8.175
1	26	2.2	0.175	8.175
1	26	1.8	0.175	8.175
1	24	1.9	0.175	8.175
1	26	1.7	0.175	8.175
1	26	1.88	0.175	8.175
1	24	1.8	0.175	8.175
1	25	1.8	0.175	8.175
1	24	1.9	0.175	8.175
1	28	1.75	0.175	8.175
1	24	2.2	0.175	8.175
1	24	1.7	0.175	8.175
1	25	1.8	0.175	8.175
1	27	1.9	0.175	8.175
1	26	1.8	0.175	8.175
1	27	2	0.175	8.175
1	25	2.1	0.175	8.175
1	28	1.9	0.175	8.175
1	30	1.8	0.175	8.175
1	25	1.52	0.175	8.175
1	22	2.22	0.175	8.175
1	24	1.75	0.175	8.175
1	32	1.75	0.175	8.175
1	25	1.66	0.175	8.175
1	28	1.4	0.175	8.175
1	27	1.85	0.175	8.175
1	27	1.85	0.175	8.175
1	26	1.6	0.175	8.175
1	27	1.9	0.175	8.175
1	25	1.7	0.175	8.175
1	26	1.8	0.175	8.175
1	24	1.9	0.175	8.175
1	22	2	0.175	8.175
1	20	1.8	0.175	8.175
1	24	1.9	0.175	8.175
1	26	2.1	0.175	8.175
Total				863.881

Shukla
25-1-2020
J.E

Sum
5/10/20
AB

1
21-01-21
E.E

863.881

Analysis for Quantity of Road & Soil

Name of Road:-

RESTORATION OF ROAD FROM NAHAULU TO GALEY

District:-

MURANGAHAD

Block:-

Sl. No.	Item with Source	Unit	Source/Origin	Quantity (Estimate)		Quantity (Actual)		Quantity (Difference)		Remarks
				Estimate	Actual	Estimate	Actual	Estimate	Actual	
1	Stone (Wash) (G-1 & G-2)	Cum	NAMBAHA	1000	1000	1000	1000	0	0	
2	Stone (Wash) (G-3 & G-4)	Cum	NAMBAHA	1000	1000	1000	1000	0	0	
3	Stone (Aggregate) (Wash)	Cum	NAMBAHA	1000	1000	1000	1000	0	0	
4	Stone (Shoulder)	Cum	NAMBAHA	1000	1000	1000	1000	0	0	
5	Course (Silt)	Cum	NAMBAHA	1000	1000	1000	1000	0	0	
6	Binding Material (Mortar)	Cum	NAMBAHA	1000	1000	1000	1000	0	0	
7	Local Sand	Cum	Local	1000	1000	1000	1000	0	0	
8	Gravel	Cum	Local	1000	1000	1000	1000	0	0	
9	Concrete	MT	Local	1000	1000	1000	1000	0	0	
10	Steel	MT	Local	1000	1000	1000	1000	0	0	
11	Bitumen (Emulsion)	MT	Local	1000	1000	1000	1000	0	0	
12	Bitumen	MT	Local	1000	1000	1000	1000	0	0	
13	Humus (Pipe) (1000 mm)	m	SINGURIVU	1000	1000	1000	1000	0	0	
14	Humus (Pipe) (600 mm)	m	SINGURIVU	1000	1000	1000	1000	0	0	
15	Humus (Pipe) (300 mm)	m	SINGURIVU	1000	1000	1000	1000	0	0	

Cost of Haulage (Loading & Unloading) as per SDR

Type of Road	Per Ton. Km. by Tractor	Per Ton. Km. by Truck
For Surface Road	1.14	1.14
Unsurface Gravel Road	1.15	1.15
Macadam Road	1.16	1.16

* Submitted to Verification of Cost

JE
10/02

ME
10/02

DE
10/02



Shuts
 05.10.2020
 J.E.



Transect 2000/0001
Longitude 80.000000
Elevation 950 m
Accession 0000
Date 2000/0001 0000
Name 0000000000

Shady
0000000000
DE

Sl. No.	Description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
a)	Labour				
	Mate	day	0.68	222.00	151.36
	Mazdoor (Skilled)	day	2.00	262.00	524.00
	Mazdoor (Unskilled)	day	10.00	206.00	2060.00
b)	Machinery				
	Motor Grader 110 HP @ 50 cum per hour	hour	4.00	2452.50	9810.00
	Three wheel 80-100 kN static roller @ 10 cum per hour	hour	30.00	401.00	12030.00
	Tractor with Rotavator 25 cum per hour	hour	12.00	856.00	10272.00
	Water tanker 6 kl capacity	hour	5.00	159.00	795.00
c)	Material				
	Well graded granular sub-base material as per Table				
	26.5 mm to 9.5 mm @ 35 per cent	cum	134.00	972.22	130278.68
	9.5 mm to 2.36 mm @ 25 per cent	cum	96.00	425.00	40800.00
	2.36 mm below @ 40 per cent	cum	153.00	290.00	44370.00
	Water	kl	30.00	262.91	7887.30
d)	Overheads @ 10% on (a+b+c)				10887.30
e)	Contractor's profit @ 10% on (a+b+c+d)				11976.03
	Cost for 300 cum = a+b+c+d+e				236973.62
	Rate per cum = (a+b+c+d+e)/300				789.91
	Carriage				789.91
	GSB Gr-II As Per Rate Analysis				1599.82
	Add:Carriage Charge for GSB material	cum	0.767	1354.92	1045.33
	Add:Carriage Charge for GSB material (2.36 mm Below)	cum	0.510	181.37	92.60
	Add 1% Cess on above				10.51
	Rate per cum to be adopted in DPR				1878.61
17	48	2	Water Bound Macadam with Crushable Screenings (Moorum) Gr - II		
	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.				
	(A) By Manual Means				
	Unit = cum				
	Taking output = 360 cum				
a)	Labour				
	Mate	day	10.08	222.00	2237.76
	Mazdoor (Skilled)	day	2.00	262.00	524.00
	Mazdoor (Unskilled)	day	25.00	206.00	5150.00
b)	Machinery				
	Three wheel 80-100 kN static roller @ 8 cum per hour	hour	45.00	611.00	27495.00
	Water tanker 6 kl capacity	hour	24.00	159.00	3816.00
c)	Material (Refer Tables 400.7, 8, 9 and 10)				
	Aggregate				
	Grading 2 63 mm to 45 mm @ 0.91 cum per 10 sqm for compacted thickness of 75 mm	cum	436.60	440.66	191952.80
	Stone Screening - Type A 13.2 mm for Grading-2 @ 0.12 cum per 10 sqm	cum	57.60	424.56	24452.64
	Binding Material @ 0.06 cum per 10 sqm for Grading-II material	cum	28.80	134.62	3877.14
	Water	kl	144.00	232.91	33538.46
d)	Overheads @ 10% on (a+b+c)				34285.32
e)	Contractor's profit @ 10% on (a+b+c+d)				37213.69
	Cost for 360 cum = a+b+c+d+e				414350.54
	Rate per cum = (a+b+c+d+e)/360				1150.97
	Carriage				1150.97
	As Per Rate Analysis				1150.97
	Add:Carriage Charge for Stone material	cum	1.21	1504.81	1825.88

Shukla
05-10-2020
J.E

Part: Mechanical Parts for Vehicle

Sl. No.	Part Name	Unit	Qty	Rate	Amount	Total
1	Engine oil (1000 cc)	litre	10	1000	10000	10000
2	Engine oil (500 cc)	litre	5	500	2500	12500
3	Engine oil (250 cc)	litre	2	250	500	13000
4	Engine oil (125 cc)	litre	1	125	125	13125
5	Engine oil (62.5 cc)	litre	0.5	62.5	31.25	13156.25
6	Engine oil (31.25 cc)	litre	0.25	31.25	7.81	13164.06
7	Engine oil (15.625 cc)	litre	0.125	15.625	3.91	13167.97
8	Engine oil (7.8125 cc)	litre	0.0625	7.8125	1.95	13169.92
9	Engine oil (3.90625 cc)	litre	0.03125	3.90625	0.98	13170.90
10	Engine oil (1.953125 cc)	litre	0.015625	1.953125	0.49	13171.39
11	Engine oil (0.9765625 cc)	litre	0.0078125	0.9765625	0.24	13171.63
12	Engine oil (0.48828125 cc)	litre	0.00390625	0.48828125	0.12	13171.75
13	Engine oil (0.244140625 cc)	litre	0.001953125	0.244140625	0.06	13171.81
14	Engine oil (0.1220703125 cc)	litre	0.0009765625	0.1220703125	0.03	13171.84
15	Engine oil (0.06103515625 cc)	litre	0.00048828125	0.06103515625	0.01	13171.85
16	Engine oil (0.030517578125 cc)	litre	0.000244140625	0.030517578125	0.00	13171.85
17	Engine oil (0.0152587890625 cc)	litre	0.0001220703125	0.0152587890625	0.00	13171.85
18	Engine oil (0.00762939453125 cc)	litre	0.00006103515625	0.00762939453125	0.00	13171.85
19	Engine oil (0.003814697265625 cc)	litre	0.000030517578125	0.003814697265625	0.00	13171.85
20	Engine oil (0.0019073486328125 cc)	litre	0.0000152587890625	0.0019073486328125	0.00	13171.85
21	Engine oil (0.00095367431640625 cc)	litre	0.00000762939453125	0.00095367431640625	0.00	13171.85
22	Engine oil (0.000476837158203125 cc)	litre	0.000003814697265625	0.000476837158203125	0.00	13171.85
23	Engine oil (0.0002384185791015625 cc)	litre	0.0000019073486328125	0.0002384185791015625	0.00	13171.85
24	Engine oil (0.00011920928955078125 cc)	litre	0.00000095367431640625	0.00011920928955078125	0.00	13171.85
25	Engine oil (0.000059604644775390625 cc)	litre	0.000000476837158203125	0.000059604644775390625	0.00	13171.85
26	Engine oil (0.0000298023223876953125 cc)	litre	0.0000002384185791015625	0.0000298023223876953125	0.00	13171.85
27	Engine oil (0.00001490116119384765625 cc)	litre	0.00000011920928955078125	0.00001490116119384765625	0.00	13171.85
28	Engine oil (0.000007450580596923828125 cc)	litre	0.000000059604644775390625	0.000007450580596923828125	0.00	13171.85
29	Engine oil (0.0000037252902984619140625 cc)	litre	0.0000000298023223876953125	0.0000037252902984619140625	0.00	13171.85
30	Engine oil (0.00000186264514923095703125 cc)	litre	0.00000001490116119384765625	0.00000186264514923095703125	0.00	13171.85
31	Engine oil (0.000000931322574615478515625 cc)	litre	0.000000007450580596923828125	0.000000931322574615478515625	0.00	13171.85
32	Engine oil (0.0000004656612873077392578125 cc)	litre	0.0000000037252902984619140625	0.0000004656612873077392578125	0.00	13171.85
33	Engine oil (0.00000023283064365386962890625 cc)	litre	0.00000000186264514923095703125	0.00000023283064365386962890625	0.00	13171.85
34	Engine oil (0.000000116415321826934814453125 cc)	litre	0.000000000931322574615478515625	0.000000116415321826934814453125	0.00	13171.85
35	Engine oil (0.0000000582076609134674072265625 cc)	litre	0.0000000004656612873077392578125	0.0000000582076609134674072265625	0.00	13171.85
36	Engine oil (0.00000002910383045673370361328125 cc)	litre	0.00000000023283064365386962890625	0.00000002910383045673370361328125	0.00	13171.85
37	Engine oil (0.000000014551915228366851806640625 cc)	litre	0.000000000116415321826934814453125	0.000000014551915228366851806640625	0.00	13171.85
38	Engine oil (0.0000000072759576141834259033203125 cc)	litre	0.0000000000582076609134674072265625	0.0000000072759576141834259033203125	0.00	13171.85
39	Engine oil (0.00000000363797880709171295166015625 cc)	litre	0.00000000002910383045673370361328125	0.00000000363797880709171295166015625	0.00	13171.85
40	Engine oil (0.000000001818989403545856475830078125 cc)	litre	0.000000000014551915228366851806640625	0.000000001818989403545856475830078125	0.00	13171.85
41	Engine oil (0.0000000009094947017729282379150390625 cc)	litre	0.0000000000072759576141834259033203125	0.0000000009094947017729282379150390625	0.00	13171.85
42	Engine oil (0.00000000045474735088646411895751953125 cc)	litre	0.00000000000363797880709171295166015625	0.00000000045474735088646411895751953125	0.00	13171.85
43	Engine oil (0.000000000227373675443232059478759765625 cc)	litre	0.000000000001818989403545856475830078125	0.000000000227373675443232059478759765625	0.00	13171.85
44	Engine oil (0.0000000001136868377216160297393798828125 cc)	litre	0.0000000000009094947017729282379150390625	0.0000000001136868377216160297393798828125	0.00	13171.85
45	Engine oil (0.00000000005684341886080801486968994140625 cc)	litre	0.00000000000045474735088646411895751953125	0.00000000005684341886080801486968994140625	0.00	13171.85
46	Engine oil (0.000000000028421709430404007434844970703125 cc)	litre	0.000000000000227373675443232059478759765625	0.000000000028421709430404007434844970703125	0.00	13171.85
47	Engine oil (0.0000000000142108547152020037174224853515625 cc)	litre	0.0000000000001136868377216160297393798828125	0.0000000000142108547152020037174224853515625	0.00	13171.85
48	Engine oil (0.00000000000710542735760100185871124267578125 cc)	litre	0.00000000000005684341886080801486968994140625	0.00000000000710542735760100185871124267578125	0.00	13171.85
49	Engine oil (0.000000000003552713678800500929355621337890625 cc)	litre	0.000000000000028421709430404007434844970703125	0.000000000003552713678800500929355621337890625	0.00	13171.85
50	Engine oil (0.0000000000017763568394002504646778106689453125 cc)	litre	0.0000000000000142108547152020037174224853515625	0.0000000000017763568394002504646778106689453125	0.00	13171.85
51	Engine oil (0.00000000000088817841970012523233890533447265625 cc)	litre	0.00000000000000710542735760100185871124267578125	0.00000000000088817841970012523233890533447265625	0.00	13171.85
52	Engine oil (0.000000000000444089209850062616169452667236328125 cc)	litre	0.000000000000003552713678800500929355621337890625	0.000000000000444089209850062616169452667236328125	0.00	13171.85
53	Engine oil (0.0000000000002220446049250313080847263336181640625 cc)	litre	0.0000000000000017763568394002504646778106689453125	0.0000000000002220446049250313080847263336181640625	0.00	13171.85
54	Engine oil (0.00000000000011102230246251565404236316680908203125 cc)	litre	0.00000000000000088817841970012523233890533447265625	0.00000000000011102230246251565404236316680908203125	0.00	13171.85
55	Engine oil (0.000000000000055511151231257827021181583404541015625 cc)	litre	0.000000000000000444089209850062616169452667236328125	0.000000000000055511151231257827021181583404541015625	0.00	13171.85
56	Engine oil (0.0000000000000277555756156289135105907917022705078125 cc)	litre	0.0000000000000002220446049250313080847263336181640625	0.0000000000000277555756156289135105907917022705078125	0.00	13171.85
57	Engine oil (0.00000000000001387778780781445675529539585113525390625 cc)	litre	0.00000000000000011102230246251565404236316680908203125	0.00000000000001387778780781445675529539585113525390625	0.00	13171.85
58	Engine oil (0.000000000000006938893903907228377647697925567626953125 cc)	litre	0.000000000000000055511151231257827021181583404541015625	0.000000000000006938893903907228377647697925567626953125	0.00	13171.85
59	Engine oil (0.0000000000000034694469519536141888238489627838134765625 cc)	litre	0.0000000000000000277555756156289135105907917022705078125	0.0000000000000034694469519536141888238489627838134765625	0.00	13171.85
60	Engine oil (0.00000000000000173472347597680709441192448139190673828125 cc)	litre	0.00000000000000001387778780781445675529539585113525390625	0.00000000000000173472347597680709441192448139190673828125	0.00	13171.85
61	Engine oil (0.000000000000000867361737988403547205962240695953369140625 cc)	litre	0.000000000000000006938893903907228377647697925567626953125	0.000000000000000867361737988403547205962240695953369140625	0.00	13171.85
62	Engine oil (0.0000000000000004336808689942017736029811203479766845703125 cc)	litre	0.0000000000000000034694469519536141888238489627838134765625	0.0000000000000004336808689942017736029811203479766845703125	0.00	13171.85
63	Engine oil (0.00000000000000021684043449710088680149056017398834228515625 cc)	litre	0.00000000000000000173472347597680709441192448139190673828125	0.00000000000000021684043449710088680149056017398834228515625	0.00	13171.85
64	Engine oil (0.000000000000000108420217248550443400745280086994171142578125 cc)	litre	0.000000000000000000867361737988403547205962240695953369140625	0.000000000000000108420217248550443400745280086994171142578125	0.00	13171.85
65	Engine oil (0.0000000000000000542101086242752217003726400434970855712890625 cc)	litre	0.0000000000000000004336808689942017736029811203479766845703125	0.0000000000000000542101086242752217003726400434970855712890625	0.00	13171.85
66	Engine oil (0.00000000000000002710505431213761085018632002174854278564453125 cc)	litre	0.00000000000000000021684043449710088680149056017398834228515625	0.00000000000000002710505431213761085018632002174854278564453125	0.00	13171.85
67	Engine oil (0.000000000000000013552527156068805425093160010874271392822265625 cc)	litre	0.000000000000000000108420217248550443400745280086994171142578125	0.000000000000000013552527156068805425093160010874271392822265625	0.00	13171.85
68	Engine oil (0.0000000000000000067762635780344027125465800054371356964111328125 cc)	litre	0.0000000000000000000542101086242752217003726400434970855712890625	0.0000000000000000067762635780344027125465800054371356964111328125	0.00	13171.85
69	Engine oil (0.00000000000000000338813178901720135627329000271856784820556640625 cc)	litre	0.00000000000000000002710505431213761085018632002174854278564453125	0.00000000000000000338813178901720135627329000271856784820556640625	0.00	13171.85
70	Engine oil (0.00000000000000000169406589450860067813664500135928392410278203125 cc)	litre	0.000000000000000000013552527156068805425093160010874271392822265625	0.00000000000000000169406589450860067813664500135928392410278203125	0.00	13171.85
71	Engine oil (0.000000000000000000847032947254300339068322500679641962051391015625 cc)	litre	0.0000000000000000000067762635780344027125465800054371356964111328125	0.000000000000000000847032947254300339068322500679641962051391015625	0.00	13171.85
72	Engine oil (0.0000000000000000004235164736271501695341612503398209810256955078125 cc)	litre	0.00000000000000000000338813178901720135627329000271856784820556640625	0.0000000000000000004235164736271501695341612503398209810256955078125	0.00	13171.85
73	Engine oil (0.00000000000000000021175823681357508476708062516991049051284775390625 cc)	litre	0.00000000000000000000169406589450860067813664500135928392410278203125	0.00000000000000000021175823681357508476708062516991049051284775390625	0.00	13171.85
74	Engine					

For regular use of road from private
to public

Schedule: KUP Form No.-13

DIVISION

SUB-DIVISION

MEASUREMENT BOOK

लंबाई → 500 मीटर 2 1/2 मीटर
वृ. 1-70 1000 मीटर

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.	
Name of work :- Restoration of Road					
from Naraula To Kaler					
Situation of work :- F.D.R.					
Name of Agency :- Sigmatic &					
Advance Construction Pvt. Ltd.					
Details of Measurement					
1/ Construction of m86 by wall					
graded Material grade II					
	24.00	1.90	0.175	=	7.980 m ³
	23.00	1.80	0.175	=	7.295 m ³
	24.00	1.30	0.175	=	5.960 m ³
	25.00	1.90	0.175	=	8.313 m ³
	23.00	1.90	0.175	=	7.698 m ³
	24.00	2.00	0.175	=	8.400 m ³
	29.00	1.850	0.175	=	9.389 m ³
	27.00	1.75	0.175	=	8.269 m ³
	28.00	1.75	0.175	=	8.575 m ³
	26.00	1.60	0.175	=	6.720 m ³
	23.00	1.70	0.175	=	6.893 m ³
	23.00	1.85	0.175	=	7.385 m ³
	25.00	1.95	0.175	=	8.531 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$26.00 \times 1.95 \times 0.175 = 8.873 \text{ m}^3$
					$26.00 \times 1.63 \times 0.175 = 7.417 \text{ m}^3$
					$25.00 \times 2.00 \times 0.175 = 8.750 \text{ m}^3$
					$26.00 \times 1.80 \times 0.175 = 8.190 \text{ m}^3$
					$24.00 \times 1.90 \times 0.175 = 7.980 \text{ m}^3$
					$25.00 \times 2.00 \times 0.175 = 8.75 \text{ m}^3$
					$24.00 \times 1.90 \times 0.175 = 8.645 \text{ m}^3$
					$27.00 \times 1.85 \times 0.175 = 8.741 \text{ m}^3$
					$28.00 \times 1.90 \times 0.175 = 9.310 \text{ m}^3$
					$22.00 \times 1.90 \times 0.175 = 7.325 \text{ m}^3$
					$25.00 \times 1.80 \times 0.175 = 7.875 \text{ m}^3$
					$26.00 \times 2.00 \times 0.175 = 9.10 \text{ m}^3$
					$23.00 \times 2.40 \times 0.175 = 8.453 \text{ m}^3$
					$25.00 \times 1.70 \times 0.175 = 7.438 \text{ m}^3$
					$21.00 \times 2.00 \times 0.175 = 7.350 \text{ m}^3$
					$25.00 \times 2.10 \times 0.175 = 9.188 \text{ m}^3$
					$24.00 \times 1.80 \times 0.175 = 7.56 \text{ m}^3$
					$25.00 \times 2.20 \times 0.175 = 9.625 \text{ m}^3$
					$26.00 \times 1.70 \times 0.175 = 7.725 \text{ m}^3$
					$24.00 \times 1.80 \times 0.175 = 7.56 \text{ m}^3$
					$25.00 \times 1.80 \times 0.175 = 7.875 \text{ m}^3$
					$30.00 \times 1.90 \times 0.175 = 9.975 \text{ m}^3$
					$28.00 \times 1.75 \times 0.175 = 8.575 \text{ m}^3$
					$29.00 \times 1.65 \times 0.175 = 8.374 \text{ m}^3$
					$25.00 \times 1.65 \times 0.175 = 7.219 \text{ m}^3$
					$24.00 \times 1.50 \times 0.175 = 6.300 \text{ m}^3$
					$30.00 \times 1.60 \times 0.175 = 8.400 \text{ m}^3$
					$26.00 \times 1.75 \times 0.175 = 7.963 \text{ m}^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	28.00	2.05	0.175		10.095 m ³
	25.00	1.60	0.175		7.00 m ³
	26.00	1.70	0.175		7.735 m ³
	24.00	1.80	0.175		7.560 m ³
	28.00	1.80	0.175		8.82 m ³
	24.00	2.00	0.175		8.40 m ³
	31.00	1.80	0.175		9.765 m ³
	25.00	2.20	0.175		9.625 m ³
	25.00	2.00	0.175		8.75 m ³
	28.00	1.80	0.175		8.820 m ³
	24.00	1.90	0.175		7.780 m ³
	29.00	1.70	0.175		8.628 m ³
	26.00	1.85	0.175		8.418 m ³
	24.00	1.80	0.175		7.56 m ³
	25.00	1.80	0.175		7.875 m ³
	24.00	1.90	0.175		7.780 m ³
	28.00	1.75	0.175		8.575 m ³
	24.00	2.20	0.175		9.240 m ³
	24.00	1.70	0.175		7.140 m ³
	25.00	1.80	0.175		7.875 m ³
	27.00	1.90	0.175		8.978 m ³
	26.00	1.50	0.175		6.825 m ³
	27.00	2.00	0.175		9.450 m ³
	25.00	2.10	0.175		9.188 m ³
	28.00	1.90	0.175		9.310 m ³
	30.00	1.80	0.175		9.450 m ³
	25.00	1.52	0.175		6.650 m ³
	22.00	2.22	0.175		8.592 m ³

Continuation

Particulars	Details of actual measurement				Contents in m ³
	No.	L	B	H	
	24	20	16	75	$\times 0.175 = 7.00 \text{ m}^3$
	32	20	17	75	$\times 0.175 = 9.625 \text{ m}^3$
	25	20	16	66	$\times 0.175 = 7.2625 \text{ m}^3$
	28	20	16	40	$\times 0.175 = 6.80 \text{ m}^3$
	27	20	17	85	$\times 0.175 = 8.7875 \text{ m}^3$
	22	20	18	50	$\times 0.175 = 8.75 \text{ m}^3$
	26	20	17	60	$\times 0.175 = 7.225 \text{ m}^3$
	27	20	17	70	$\times 0.175 = 8.575 \text{ m}^3$
	25	20	17	70	$\times 0.175 = 8.4375 \text{ m}^3$
	26	20	18	60	$\times 0.175 = 8.4 \text{ m}^3$
	28	22	13	12	$\times 0.175 = 7.251 \text{ m}^3$
	23	20	20	10	$\times 0.175 = 7.0 \text{ m}^3$
	20	20	18	15	$\times 0.175 = 6.225 \text{ m}^3$

24	20	16	75	$\times 0.175 = 7.00 \text{ m}^3$
26	20	17	75	$\times 0.175 = 9.625 \text{ m}^3$
25	20	16	66	$\times 0.175 = 7.2625 \text{ m}^3$
28	20	16	40	$\times 0.175 = 6.80 \text{ m}^3$
27	20	17	85	$\times 0.175 = 8.7875 \text{ m}^3$
22	20	18	50	$\times 0.175 = 8.75 \text{ m}^3$
26	20	17	60	$\times 0.175 = 7.225 \text{ m}^3$
27	20	17	70	$\times 0.175 = 8.575 \text{ m}^3$
25	20	17	70	$\times 0.175 = 8.4375 \text{ m}^3$
26	20	18	60	$\times 0.175 = 8.4 \text{ m}^3$
28	22	13	12	$\times 0.175 = 7.251 \text{ m}^3$
23	20	20	10	$\times 0.175 = 7.0 \text{ m}^3$
20	20	18	15	$\times 0.175 = 6.225 \text{ m}^3$
24	20	16	75	$\times 0.175 = 7.00 \text{ m}^3$
26	20	17	75	$\times 0.175 = 9.625 \text{ m}^3$
25	20	16	66	$\times 0.175 = 7.2625 \text{ m}^3$
28	20	16	40	$\times 0.175 = 6.80 \text{ m}^3$
27	20	17	85	$\times 0.175 = 8.7875 \text{ m}^3$
22	20	18	50	$\times 0.175 = 8.75 \text{ m}^3$
26	20	17	60	$\times 0.175 = 7.225 \text{ m}^3$
27	20	17	70	$\times 0.175 = 8.575 \text{ m}^3$
25	20	17	70	$\times 0.175 = 8.4375 \text{ m}^3$
26	20	18	60	$\times 0.175 = 8.4 \text{ m}^3$
28	22	13	12	$\times 0.175 = 7.251 \text{ m}^3$
23	20	20	10	$\times 0.175 = 7.0 \text{ m}^3$
20	20	18	15	$\times 0.175 = 6.225 \text{ m}^3$



Shubh
05-10-2020
J.C

A
05.10



Latitude: 24.889133
Longitude: 84.479377
Elevation: 103.36 m
Accuracy: 3.2 m
Time: 22-09-2020 14:40
Note: NEWIntroducing



Latitude: 24.889014
Longitude: 84.470899
Elevation: 97.12 m
Accuracy: 3.2 m
Time: 06-10-2020 13:13
Note: NEWIntroducing

Shweta
05-10-2020
J. K.



Shubh
05-10-2020
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