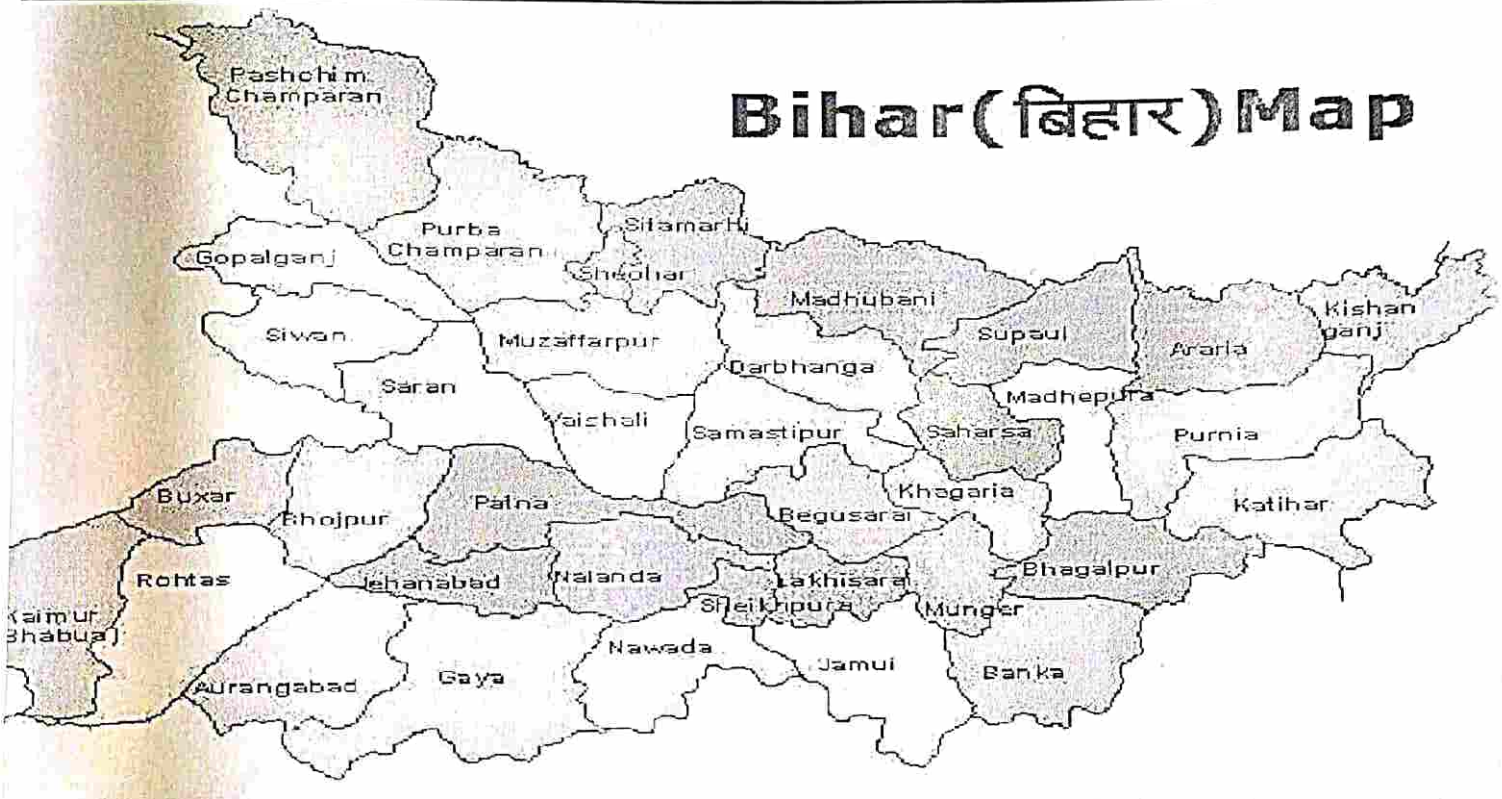
ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

ESTIMATE FOR EMERGENT REPAIR FOR RESTORATION OF TRAFFIC



Name of the Road

Ara - Sasaram PWD Road - Niuga Khelariya Upto Karakat PWD Road (At 2.20 Km)

		ROHTAS	
DISTRICT	:	~~Bikramganj~~	
DIVISION	:	Bikramganj	
BLOCK	:	Bikramganj	
PART-A TOTAL COST OF RESTORATION	:	6.571	Lac

Submitted By:
Executive Engineer
RWD WORKS DIVISION
Bikramganj

GENERAL ABSTRACT OF COST

NAME OF ROAD : Ara - Sasaram PWD Road - Niuga Khelariya Upto Karakat PWD Road (At 2.20 Km)

DISTRICT ~~Bikramganj~~ Rohtas

BLOCK Bikramganj

DIVISION Bikramganj

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	EARTHWORK	1.193
2	Brick Bat Filling	4.133
3	Sand Filling With Empty Cement Bags	0.120
4	Bamboo Pilling	0.082
	Sub Total	**5.528**
	Labour Cess 1% of cost	0.055
	GST 12 % of cost	0.663
	Seigniorage Fee	0.324
	Total Cost of Restoration	**6.571**

26-10-2021
JE
RWD

26/10/21
AE
RWD

26/10/21
EE
RWD

NAME OF Road:- Ara - Sasaram PWD Road - Niuga Khelariya Upto Karakat PWD Road (At 2.20 Km)

Sl. No.	SDB SL.NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
1		303.1	**Construction of Embankment with Material Obtained from Borrow Pits**								
	3.4		Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to 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								
				cum	1	15.00	(3.5+6)/2	2.700	192.38		
				cum	1	12.00	(4+6)/2	2.700	162.00		
				cum	1	23.00	(4.6+7.5)/2	2.700	375.71		
			For 1000 m lead @ 100 %						**730.08**	163.44	1,19,324.00
2			**Brick BAT Filling**								
			Emergent Repair by Filling Brick Bats in Flood damaged Stretch of the Road for making it Motorable ....as per S/D of E/I								
			Top	cum	1	15.00	3.500	0.300	15.75		
			Bottom	cum	1	15.00	5.000	0.600	45.00		
				cum	1	12.00	4.000	0.300	14.40		
			Top	cum	1	23.00	4.600	0.300	31.74		
			Bottom	cum	1	23.00	6.500	0.900	134.55		
			Net Qty						**241.44**	1,711.75	4,13,286.00
3			Sand Filling With Empty Cement Bags								
				Each	1	1,416.0			1,416.00		
			Net Qty						**1,416.00**	8.46	11,979.00

Sl. No.	SDB SL .NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
4			Single Bamboo palasiding / walling of whole 2nd class bamboo (jati or Bethua) 75 mm dia and closely packed and driven fitting fixing with half bamboo kamis horizantally in three rows with cane or tying with wire complete and struts 1.5 m apart longitudinaly and providing brush wood as per drawing and technical specification clause 1302.5 (Length of Bamboo 1.8. m - 2.5 m)								
			Bamboo Pilling	Each	1	166.0			166.00		
			Net Qty						**166.00**	49.19	8,166.00
										TOTAL =	**5,52,755.00**

26-10-2021
JE
RWD

26/10/21
AE
RWD

26/10/21
EE
RWD

Name of Road :- Ara - Sasaram PWD Road - Niuga Khelariya Upto Karakat PWD Road (At 2.20 Km)

SEIGNIORAGE FEE

Material	Unit	Quantity	Basic rate	Amount	Seigniorage fee
Earth	m3	730.08	34.82	25421.39	2542.14
Brick Bats	m3	290.00	1031.00	298990.00	29899.00
				324411.39	**32441.14**

26-10-2021
JE

26/10/21
AE

26/10/21
EE

Name of Road: Ara - Sasaram PWD Road - Niuga Khelariya Upto Karakat PWD Road (At 2.20 Km)

Sl. No.	Description	Unit	Quantity	Material Analysis (Minor Mines)																		
				Earth	GSB 9.5-2.36	Local sand	Agg-63-45 G2	Screening B	Mooram	53-22.4 G3	Agg 13.2 ,mm	agg 9.5-4.75	agg 4.75 below	agg 40	agg 20	agg 10	Stone Agg	stone spalls	Coarse sand	cement	Brick Bats	Brick
1	Earth Work	m3	730.08	730.08																		
2	Brick Bat filling	m3	241.44																		290.00	0.00
				730.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	290.00	0.00

26-10-2021 J.E

26/10/21 AE

26/10/21 SDE

Analysis for Carriage by Road & Rail

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km												Loading & Unloading Cost	Carriage Cost by Rail Head	Total
				Pucka / Surface						Katcha								
1	Brick	1000 Nos	Local	8.00 / 2.00	x	7.52	x	7.00 Km	= Rs 210.56	8.00 / 2.00	x	18.19	x	1.00 Km	= Rs 72.76	387.52		Rs. 670.84

Cost of Haulage Excluding Loading & Unloading as per SOR

Type of Road	Per Ton. Km by Tipper	Per Ton. Km by Truck
For Surface Road	8.40	7.52
Unsurface Gravel Road	10.10	9.04
Kachha Road	20.30	18.19

* Subjected to Verification of Lead

26-10-2021
JE
RWD

26/10/21
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RWD

26/10/21
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RWD

FORM F8

BASIC RATES

Sl. No.	Description of Labour	Unit	Rate (Rs.)
L-01	Bhisti	day	304.00
L-02	Bitumen Sprayer	day	318.00
L-03	Head Blacksmith	day	408.00
L-04	Blaster	day	502.00
L-05	Carpenter 1st Class	day	408.00
L-06	Chips spreader	day	364.00
L-07	Chiseller	day	386.00
L-08	Dresser (Skilled)	day	386.00
L-09	Driller	day	364.00
L-10	Electrician	day	386.00
L-11	Fitter	day	415.00
L-12	Mason (1st class)	day	408.00
L-13	Mason (2nd Class)	day	364.00
L-14	Mate	day	321.00
L-15	Mazdoor (Unskilled)	day	304.00
L-16	Mazdoor (Semi skilled)	day	316.00
L-17	Mazdoor (Skilled)	day	385.00
L-18	Painter (Ist class)	day	385.00
L-19	Plumber	day	385.00
L-20	Surveyor	day	368.00
L-21	White Washer	day	385.00

Analysis of Rates (FORMAT F8)

SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
1.10	(i)	**Haulage BY TIPPER**				
		Haulage excluding Loading & Unloading				
		Haulage of materials by tipper excluding cost of loading, unloading and stacking.				
		Unit = t.km				
		Taking output 10 t load and lead 10 km = 100 t.km				
		Case-I : Surfaced Road				
		Speed with load: 25 km per hour				
		Speed while returning empty: 35 km per hour				
	a)	**Machinery**				
		Tipper 10 t capacity				
		Haulage with load	hour	0.40	1043.00	417.20
		Empty return trip	hour	0.29	1043.00	302.47
		Cost for 100 t-km = a+b+c				719.67
		Rate per cum = (a+b+c) /100				7.20
		Rate Per Km.	**Cum**			**7.20**
1.10	(ii)	**Haulage excluding Loading & Unloading**				
		Haulage of materials by tipper excluding cost of loading, unloading and stacking.				
		Unit = t.km				
		Taking output 10 t load and lead 10 km = 100 t.km				
		Case-II: Unsurfaced Gravel Road.				
		Speed with load: 20 km/hour				
		Speed for empty return trip: 30 km/hour				
	a)	**Machinery**				
		Tipper 10 t capacity				
		Haulage with load	hour	0.50	1043.00	521.50
		Empty return trip	hour	0.33	1043.00	344.19
		Cost for 100 t-km = a+b+c				865.69
		Rate per cum = (a+b+c) /100				8.66
		Rate Per Km.	**Cum**			**8.70**
1.10	(iii)	**Haulage excluding Loading & Unloading**				
		Haulage of materials by tipper excluding cost of loading, unloading and stacking.				
		Unit = t.km				
		Taking output 10 t load and lead 10 km = 100 t.km				
		Case-III : Katcha Track and Track in River Bed/Nallah Bed and Choe Bed.				
		Speed with load: 10 km per hour				
		Speed while returning empty: 15 km per hour				
	a)	**Machinery**				
		Tipper 10 t capacity				
		Haulage with load	hour	1.00	1043.00	1043.00
		Empty return trip	hour	0.67	1043.00	698.81
		Cost for 100 t-km = a+b+c				1741.81
		Rate per cum = (a+b+c) /100				**17.42**
		Rate Per Km.	**Cum**			**17.40**

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount
			Haulage BY TRUCK				
4	1.10	(i)	**Haulage excluding Loading & Unloading**				
			Haulage of materials by tipper excluding cost of loading, unloading and stacking.				
			Unit = t.km				
			Taking output 10 t load and lead 10 km = 100 t.km				
			Case-I : Surfaced Road				
			Speed with load: 25 km per hour				
			Speed while returning empty: 35 km per hour				
		a)	**Machinery**				
			Truck 10 t capacity				
			Haulage with load	hour	0.40	934.30	
			Empty return trip	hour	0.29	934.30	
			Cost for 100 t-km = a+b+c				
			Rate per cum = (a+b+c) /100				
			Rate Per Km.	**Cum**			
5	1.10	(ii)	**Haulage excluding Loading & Unloading**				
			Haulage of materials by tipper excluding cost of loading, unloading and stacking.				
			Unit = t.km				
			Taking output 10 t load and lead 10 km = 100 t.km				
			Case-II: Unsurfaced Gravel Road.				
			Speed with load: 20 km/hour				
			Speed for empty return trip: 30 km/hour				
		a)	**Machinery**				
			Truck 10 t capacity				
			Haulage with load	hour	0.50	934.30	
			Empty return trip	hour	0.33	934.30	
			Cost for 100 t-km = a+b+c				
			Rate per cum = (a+b+c) /100				
			Rate Per Km.	**Cum**			
6	1.10	(iii)	**Haulage excluding Loading & Unloading**				
			Haulage of materials by tipper excluding cost of loading, unloading and stacking.				
			Unit = t.km				
			Taking output 10 t load and lead 10 km = 100 t.km				
			Case-III : Katcha Track and Track in River Bed/Nallah Bed and Choe Bed.				
			Speed with load: 10 km per hour				
			Speed while returning empty: 15 km per hour				
		a)	**Machinery**				
			Truck 10 t capacity				
			Haulage with load	hour	1.00	934.30	
			Empty return trip	hour	0.67	934.30	
			Cost for 100 t-km = a+b+c				
			Rate per cum = (a+b+c) /100				
			Rate Per Km.	**Cum**			

Analysis of Rates (FORMAT F8)

SDB Sl. No.	MORD Ref No. RCD	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
1.10		Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kanker/Moorum.				
		Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and				
		Unit = cum				
		Taking output = 5.5 cum				
		Time required for				
		i) Positioning of tipper at loading point		1 Min		
		ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour		13 Min		
		iii) Maneuvering, reversing, dumping and turning for return		2 Min		
		iv) Waiting time, unforeseen contingencies etc		4 Min		
		Total		**20 Min**		
		a) Machinery				
		Tipper 5.5 tonnes capacity	hour	0.33	1043.00	344.19
		Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.33	1403.00	462.99
		Cost for 5.5 cum = a+b+c				807.18
		Rate per cum = (a+b+c)/ 5.5				146.76
					say	***146.80***
		Unloading will be by tipping.				
1.1	**(i)**	Loading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by manual means including a lead upto 30 m				
		Unit = cum				
		Taking output = 5.5 cum				
	a)	**Labour**				
		Mate	day	0.02	321.00	6.42
		Mazdoor (Unskilled)	day	0.50	304.00	152.00
	b)	**Machinery**				
		Truck	hour	0.50	934.30	467.15
		Cost for 5.5 cum = a+b+c+d				625.57
		Rate per cum = (a+b+c+d) /5.5				**113.74**
		Total Cost	**Cum**			**113.74**
	(ii)	Loading of Earth, Sand, Moorum, Manure, Flyash by manual means including a lead upto 30 m.				
		Unit = cum				
		Taking output = 5.5 cum				
	a)	**Labour**				
		Mate	day	0.01	321.00	3.21
		Mazdoor (Unskilled)	day	0.25	304.00	76.00
	b)	**Machinery**				
		Truck	hour	0.25	934.30	233.58
		Cost for 5.5 cum = a+b+c+d				312.79
		Rate per cum = (a+b+c+d) /5.5				**56.87**
		Total Cost	**Cum**			**56.87**

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs.
12		(iii)	Unloading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by mechanical means including a lead upto 30 m				
			Unit = cum				
			Taking output = 5.5 cum				
		a)	**Labour**	day	0.01	321.00	
			Mate	day	0.25	304.00	3.2
			Mazdoor (Unskilled)				76.0
		b)	**Machinery**	hour	0.25	934.30	
			Truck				233.5
			Cost for 5.5 cum = a+b+c+d				312.7
			Rate per cum = (a+b+c+d) /5.5				56.8
			Total Cost	**Cum**			56.8
			Total Loding & Unloading of Stone Aggregate	***Cum***	***= 113.74 + 56.87 =***		170.6
13		(iv)	Unloading of Earth, Sand, Moorum, Manure, Flyash by manual means including a lead upto 30 m.				
			Unit = cum				
			Taking output = 5.5 cum				
		a)	**Labour**				
			Mate	day	0.01	321.00	1.6
			Mazdoor (Unskilled)	day	0.13	304.00	38.0
		b)	**Machinery**				
			Truck	hour	0.17	934.30	155.6
			Cost for 5.5 cum = a+b+c+d				194.1
			Rate per cum = (a+b+c+d) /5.5				35.4
			Total Cost	**Cum**			35.4
			Total Loding & Unloading of Sand / Moorum	***Cum***	***= 56.87 + 35.4 =***		92.2
		(II) B	Loading of Earth, Sand, Moorum, Manure, Flyash by mechanical means including a lead upto 30 m.				
			Unit = cum (Taking output = 5.5 cum)				
			Placing tipper at loading point, loading with front end loader excluding time for haulage and return trip.				
			Unit = cum				
			Taking output = 5.5 cum				
			Time required for				
			Positioning of tipper at loading point	Min	1.00		
			Loading by front end loader 1 cum bucket capacity @ 45 cum per hour	Min	3.30		
			Waiting time, unforeseen contingencies, etc.	Min	2.00		
			Total		6.30		
			Machinery				
			Tipper 10 t capacity	hour	0.105	1,043.00	109.5
			Front end-loader 1 cum bucket capacity @ 45 cum per hour	hour	0.055	1,403.00	77.1
			Cost for 5.5 cum = a+b				186.6
			Rate per cum = (a+b) /5.5				33.9

Analysis of Rates (FORMAT F8)

SDB Sl. No.	MORD Ref No. (IV) B	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
		Unloading of Earth, Sand, Moorum, Manure, Flyash by mechanical means including a lead upto 30 m. Unit = cum (Taking output = 5.5 cum)				
		Placing tipper at loading point, loading with front end loader excluding time for haulage and return trip.				
		Unit = cum				
		Taking output = 5.5 cum				
		Time required for				
		Positioning of tipper at loading point	Min	1.00		
		Loading by front end loader 1 cum bucket capacity @ 45 cum per hour	Min	2.00		
		Waiting time, unforeseen contingencies, etc.	Min	2.00		
		Total		5.00		
		Machinery				
		Tipper 10 t capacity	hour	0.080	1,043.00	83.44
		Cost for 5.5 cum = a+b				83.44
		Rate per cum = (a+b) /5.5				***15.17***
1.2		**Loading and Unloading Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by Mechanical Means**				
	(i)	Loading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by mechanical means including a lead upto 30 m				
		Placing tipper at loading point, loading with front end loader excluding time for haulage and return trip.				
		Unit = cum				
		Taking output = 5.5 cum				
		Time required for				
		Positioning of tipper at loading point	Min	1.00		
		Loading by front end loader 1 cum bucket capacity @ 45 cum per	Min	7.33		
		Waiting time, unforeseen contingencies, etc.	Min	2.00		
		Total		10.33		
	a)	**Machinery**				
		Tipper 10 t capacity	hour	0.172	1,043.00	179.40
		Front end-loader 1 cum bucket capacity @ 45 cum per hour	hour	0.122	1,403.00	171.17
		Cost for 5.5 cum = a+b				350.56
		Rate per cum = (a+b) /5.5				***63.74***
	iii	Unloading of Earth, Sand, Lime, Moorum, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Manure, Crushed Slag, Flyash, Stone for Masonry Work by mechanical means.				
		Unit = cum				
		Taking output = 5.5 cum				
		Placing tipper at unloading point excluding time for haulage and				
		Time required for				
		Positioning of tipper at unloading point	min	1.00		
		Manoeuvering, reversing, dumping and turning for return	min	2.00		
		Waiting time, unforeseen contingencies, etc.	min	2.00		
		Total	min	5.00		
	a)	**Machinery**				
		Tipper 10 t capacity	***Hour***	***0.08***	***1,043***	83.44
		Cost for 5.5 cum = a+b+c				83.44
		Rate per cum = (a+b+c)/5.5				***15.17***

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount Rs.
14	1.3		**Loading, Unloading and Stacking of Bricks by Manual Means**				
		(i)	Loading of Bricks by manual means including a lead upto 30 m				
			Unit = 1000 Nos.				
			Taking output = 2000 Nos.				
		a)	**Labour**				
			Mate	day	0.01	321.00	3.2
			Mazdoor (Unskilled)	day	0.25	304.00	76.0
		b)	**Machinery**				
			Truck	hour	0.33	934.30	308.3
			Cost for 2000 Nos. = a+b+c+d				387.5
			Rate for 1000 bricks = (a+b+c+d)/2				193.7
			Total Cost	**no.**			193.7
15		(ii)	Unloading and Stacking of Bricks by manual means including a lead upto 30 m				
			Unit = 1000 Nos.				
			Taking output = 2000 Nos.				
		a)	**Labour**				
			Mate	day	0.01	321.00	3.2
			Mazdoor (Unskilled)	day	0.25	304.00	76.0
		b)	**Machinery**				
			Truck	hour	0.33	934.30	308.3
			Cost for 2000 Nos. = a+b+c+d				387.5
			Rate for 1000 bricks = (a+b+c+d)/2				193.7
			Total Cost	**no.**			193.7
			Total Loding & Unloading of Brick Per 1000			***= 193.76 + 193.76 =***	***387.5***
22	1.9		**Loading and Unloading of Hume Pipes**				
		(i)	Loading of RCC Hume pipes by mechanical means including a lead upto 30 m				
		A.	**1000 / 1200 mm dia Hume pipe**				
			Unit = per pipe				
			Taking output = 9 pipes				
		a)	**Labour**				
			Mate	day	0.02	321.00	6.4
			Mazdoor (Unskilled)	day	0.50	304.00	152.0
		b)	**Machinery**				
			Truck	hour	0.33	934.30	308.3
			Crane	hour	0.33	1289.30	425.4
			Cost for 9 pipes = a+b+c+d				892.7
			Rate per pipe = (a+b+c+d)/9				99.1
			Total Cost	**per p**			99.1
23		C.	**600/450 mm dia Hume pipe**				
			Unit = per pipe				
			Taking output = 21 pipe				
		a)	**Labour**				
			Mate	day	0.02	321.00	6.4
			Mazdoor (Unskilled)	day	0.50	304.00	152.0
		b)	**Machinery**				
			Truck	hour	0.33	934.30	308.3
			Crane	hour	0.33	1289.30	425.4
			Cost for 21 pipes = a+b+c+d				892.7
			Rate per pipe = (a+b+c+d)/21				42.4
			Total Cost	**per p**			42.4

Analysis of Rates (FORMAT F8)

SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
	(ii)	Unloading of RCC Hume pipe by mechanical means including a lead upto 30 m				
	A.	**1000/1200 mm dia RCC Hume pipes**				
		Unit = per pipe				
		Taking output = 9 pipes				
	a)	**Labour**				
		Mate	day	0.02	321.00	6.42
		Mazdoor (Unskilled)	day	0.50	304.00	152.00
	b)	**Machinery**				
		Truck	hour	0.20	934.30	186.86
		Crane	hour	0.20	1289.30	257.86
		Cost for 9 pipes = a+b+c+d				603.14
		Rate per pipe = (a+b+c+d)/9				**67.02**
		Total Cost	**per p**			**67.02**
		Total Loding & Unloading of RCC Hume Pipe	***per Pipe***	***= 99.13 + 67.02 =***		***166.15***
		Total Loding & Unloading of RCC Hume Pipe	***m***	***= 166.15 / 2.50 =***		***66.46***
	C.	**600/450 mm dia Hume pipe**				
		Unit = per pipe				
		Taking output = 21 pipes				
	a)	**Labour**				
		Mate	day	0.02	321.00	6.42
		Mazdoor (Unskilled)	day	0.50	304.00	152.00
	b)	**Machinery**				
		Truck	hour	0.20	934.30	186.86
		Crane	hour	0.20	1289.30	257.86
		Cost for 21 pipes = a+b+c+d				603.14
		Rate per pipe = (a+b+c+d)/21				**28.72**
		Total Cost	**per p**			**28.72**
		Total Loding & Unloading of RCC Hume Pipe	***per Pipe***	***= 42.49 + 28.72 =***		***71.21***
		Total Loding & Unloading of RCC Hume Pipe	***m***	***= 71.21 / 2.50 =***		***28.48***
3.40	**302**	**Construction of Embankment with Material Obtained from Borrow Pits**				
	(A)	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to 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				
		Unit = cum				
		Taking output = 100 cum				
	a)	Labour				
		Mate	day	0.04	321.00	12.84
		Mazdoor (Unskilled)	day	1.00	304.00	304.00
	b)	Machinery				
		Hydraulic Excavator 0.9 cum bucket capacity @ 60 cum per hour	hour	1.67	1969.20	3288.56
		Tipper 5.5 cum with 10 t capacity	hour	4.50	1043.00	4693.50
		Add 10 % of the cost of carriage by tipper				469.35
	c)	Material				
		Water	kl	12.00	40.00	480.00
		Compensation for earth taken from private land	cum	100.00	34.82	3482.00
		Cost for 100 cum = a+b+c+d+e				16344.15
		Rate per cum = (a+b+c+d+e)/100=				163.44
		Total Cost	**CUM**			***163.44***

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in R
64			Emergent Repair by Filling Brick Bats in Flood damaged Stretch of the Road for making it Motorable ....as per S/D of E/I				
			Unit - cum				
			Taking output - 2.832 cum				
		a)	Labour				
			Mazdoor(Unskilled)		2.17	304.00	659.6
		b)	Material				
			Brick Bats = 1.20 x 2.832 cum		3.40	1031	3503.7
							4163.4
			Cost for 2.832 cum				1470.1
		c)	Carriage				
			Brick Bats = 850/2.832 no for 1.2 cum	Th	0.36	670.84	241.6
			Rate / cum				1711.7
65	14.40		Single Bamboo palasiding / walling of whole 2nd class bamboo (jati or Bethua) 75 mm dia and closely packed and driven fitting fixing with half bamboo kamis horizantally in three rows with cane or tying with wire complete and struts 1.5 m apart longitudinaly and providing brush wood as per drawing and technical specification clause 1302.5				
			(B) Driven at least 900 mm below ground and 900 mm above ground on average				
			Unit - Each				
			Taking output - 14 Nos				
		a)	**Materials**				
			2 nd class Bamboo 65 mm to 75 mm dia.(1.8 m-2.5m) long	nos	14.00	43.31	606.3
		b)	**Labour**				
			Mate	day	0.02	321.00	6.4
			Majdoor (un skilled)	day	0.25	304.00	76.0
			No Horizontal Bamboo Used				688.7
			1 no Bamboo				49.1

26-10-2021
J.E