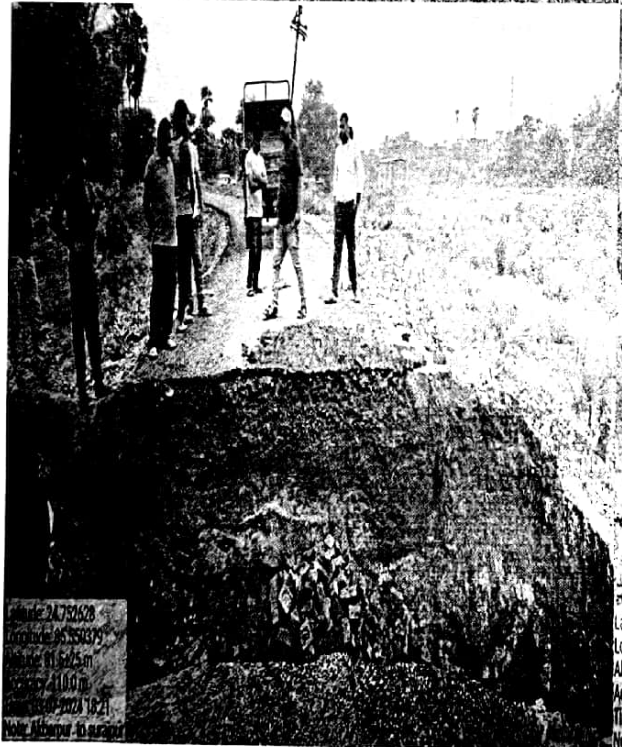




10m/10m
 28/11/24
 JB

A
 28.11.24
 EE



Latitude: 24.755285
Longitude: 85.558306
Elevation: 117.2745 m
Accuracy: 6.0 m
Time: 04-07-2024 15:21
Note: Akbarpur to suraipur



Latitude: 24.755286
Longitude: 85.558307
Elevation: 117.2745 m
Accuracy: 4.7 m
Time: 04-07-2024 15:21
Note: Akbarpur to suraipur



Latitude: 24.755016
Longitude: 85.557993
Elevation: 123.0546 m
Accuracy: 6.0 m
Time: 04-07-2024 15:21
Note: Akbarpur to suraipur



Km Cw/
28/11/24
272

A
28.11.24
EE

FLOOD DAMAGE REPORT

GENERAL ABSTRACT OF COST

Block:-- Akbarpur

District:- Nawada

Name of Road:-- AKBARPUR TO SURAJPUR

SL. No.	Item of Work	Amount
A	TOTAL COST OF CONSTRUCTION :	3.361 Lacs
TOTAL :		3.369 Lacs

Kumbar
28/11/24
Junior Engineer

Asstt. Engineer

A
28.11.24
Executive Engineer

SE
RWD

GENERAL ABSTRACT OF COST

NAME OF ROAD : AKBARPUR TO SURAJPUR
DISTRICT Nawada
BLOCK Akbarpur
DIVISION Rajauli

Sl. No.	DESCRIPTION	Amount	1 % Labour Cess	18 % GST (on Total)	AMOUNT (LAKHS)
	INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL				
1	Earth Work	0.265	0.003	0.048	0.316
2	Brick Bats	1.926	0.019	0.350	2.296
3	Empty Cement Bag With sand	0.000	0.000	0.000	0.000
4	RCC PIPE	0.628	0.006	0.114	0.749
	Total Seigniorage Fee				0.008
	TOTAL COST OF PROJECT IN LACS =	2.820	0.028	0.513	3.369

Kumbar
28/11/24
JE
RWD

AE
RWD

A
28.11.24
EE
RWD

Technically approved for Rs. 3.369 Lakh (Three lakh thirty six thousand nine hundred only.)

30.11.24
Superintending Engineer
Rural Works Department
Works Circle, Gaya
RWD
30/11/24

Sl. No.	SDB SL No	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (In Rs.)
1	3.4	302	Construction of Embankment with Material Obtained from Borrow Pits 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	5.00	4.000	2.000 (av)	40.000		
				Cum	1	5.00	3.750	1.750 (av)	32.810		
				Cum	1	19.50	0.800	1.250 (av)	19.500		
				Cum	1	10.00	1.000	1.000 (av)	10.000		
				Cum	1	12.50	0.900	1.000 (av)	11.250		
				Cum	1	10.50	1.000	1.000 (av)	10.500		
				cum					124.06	213.98	26,546.00
2	3.2	301.4	Brick Bats Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm thick including cost of light barriers, danger signals, chowkidar, taxes, royalty etc. all complete job as per specification and direction of E/I including carriage cost of bricks.								
				Cum	1	5.00	4.000	2.000 (av)	40.000		
				Cum	1	5.00	3.750	1.750 (av)	32.810		
				Cum	1	19.50	0.800	1.250 (av)	19.500		
				Cum	1	10.00	1.000	1.000 (av)	10.000		
				Cum	1	12.50	0.900	1.000 (av)	11.250		
				Cum	1	10.50	1.000	1.000 (av)	10.500		
									124.060	1,552.70	1,92,628.00
3	11		Providing and Laying Reinforced Cement Concrete Pipe NP4 as per design in Single Row Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.								
				rm	2	2.00	2.50		10.00	6,283.84	62,838.00
									A) SUB TOTAL OF CRUST =		2,82,012.00

10/11/24
28.11.24
etc



Name of Road :-		AKBARPUR TO SURAJPUR				Block :-		Akbarpur		Length :-		4.100 km	
SL No.	SDB SL No.	MORD Ref No.	DESCRIPTION				Unit	Quantity	Rate	Amount in Rs	Total material Qty. required (Cum)	Total Amount	Add 10 % Seigniorage Fee
1	3.14	303.1	EARTHWORK										
			Construction of Subgrade and Earthen Shoulders										
			Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1.				Unit = cum						
			Taking output = 100 cum										
			a) Material										
			Compensation for earth taken from private land				cum	100.00	35.25	3525.00			
			Cost for 100 cum = a							3525.00			
			Rate per cum = (a)/100				cum			35.25			
2	3.14	303.1	Brick Bats						Total Cost	35.25	124.06	4,373.12	437.31
			Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm thick including cost of light barriers, danger signals, chowkidar, taxes, royalty etc. all complete job as per specification and direction of E/I including carriage cost of bricks.										
			Unit = cum										
			a) Material										
			Brick Bats				cum	2.83	1,041.00	2,948.11			
										2,948.11			
			Rate per cum = (a)/100				cum			29.48			
3	3.14	303.1	Empty Cement Bag With sand						Total Cost	29.48	124.06	3,657.43	365.74
			(A) Labour of filling new E.C bags with local sand (Volume of filled bag 1.2 cft and weight 50 kg) stitching on two lines by approved nylon thread with stitching machine & generators stacking the bags and placing in nylon crate of size (1m x1m 1m) with a lead of 150 m including supply of nylon thread etc placing the filled crates in water proton within a lead of 30m all complete as per										
			Unit = cum										
			a) Material										
			J) Sand at site				cum	0.04	145.49	5.82			
										5.82			
			Rate per cum = (a)/100				cum			0.06			
4	9.3 (1)	1000	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row						Total Cost	0.06	0.00	0.00	0.00
			Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.										
			A. 600 MM DIA										
			Unit = m										
			Taking output = 7.5 m										
			(3 pipes of 2.5 m length each)										
			a) Material										
			J) Sand at site				cum	0.024	145.49	3.49			
			Cost for 7.5m = (A)							3.49			
			Rate per m = (A)/7.5							0.47			
			Total Cost						0.47	0.00	0.00	0.00	0.00

Name of Road :-			AKBARPUR TO SURAJPUR				Block :-	Akbarpur	Length :-	4.100 km
SL No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs	Total material Qty. required (Cum)	Total Amount	Add 10 % Seigniorage Fee
5	9.3	1100	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row							
	(II)		Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.							
		B.	1000 MM DIA							
			Unit = m							
			Taking output = 7.5 m							
			(3 pipes of 2.5 m length each)							
			a) Material							
			I) Sand at site	cum	0.040	145.49	5.82			
			Cost for 7.5m = (A)				5.82			
			Rate per m =(A)/7.5				0.78			
						Total Cost	0.78	10.00	7.76	0.78
								Total Seigniorage Fee		803.83

1000mm
28/11/24
512

28.11.24
EE

Analysis for Carriage by Road & Rail

Name of Road:-- **AKBARPUR TO SURA/PUR**

District:- **Nawada**

Block :- **Akharpur**

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km			Loading & Unloading Cost	Carriage Cost by Rail Head	Total
				Pukka / Surface		Katcha			
1	Local Sand	Cum	Local	$\frac{8.00}{4.99} \times 6.45 \times 2.00 \text{ Km} = \text{Rs } 20.68$	$\frac{8.00}{4.99} \times 15.60 \times 1.00 \text{ Km} = \text{Rs } 25.01$	99.80		Rs 145.49	
2	Brick	1000 Nos	Local	$\frac{8.00}{2.00} \times 6.45 \times 7.00 \text{ Km} = \text{Rs } 180.60$	$\frac{8.00}{2.00} \times 15.60 \times 1.00 \text{ Km} = \text{Rs } 62.40$	415.16		Rs 658.16	
3	Hume Pipe (1000 mm.)	m	Rajauli	$\frac{8.00}{10.00} \times 6.45 \times 22.00 \text{ Km} = \text{Rs } 113.52$	$\frac{8.00}{10.00} \times 15.60 \times 0.00 \text{ Km} = \text{Rs } 0.00$	60.15		Rs 173.67	
4	Hume Pipe (600 mm.)	m	Rajauli	$\frac{8.00}{25.00} \times 6.45 \times 22.00 \text{ Km} = \text{Rs } 45.41$	$\frac{8.00}{25.00} \times 15.60 \times 0.00 \text{ Km} = \text{Rs } 0.00$	25.78		Rs 71.19	

Cost of Haulage Excluding Loading & Unloading as per SO. aa

Type of Road	Per Ton. Km by Tipper	Per Ton. Km by Truck
For Surface Road	9.90	6.45
Unsurface Gravel Road	12.00	7.75
Kachha Road	24.10	15.60

* Subjected to Verification of Lead

(Signature)
JE
RWD

AE
RWD

(Signature)
EE
RWD

BASIC RATES
(A) Labour

Sl. No.	Description of Labour	Unit	Rate (Rs.)
L-01	Bhisti	day	410.00
L-02	Bitumen Sprayer	day	430.00
L-03	Head Blacksmith	day	550.00
L-04	Blaster	day	676.00
L-05	Carpenter 1st Class	day	550.00
L-06	Chips spreader	day	491.00
L-07	Chiseller	day	630.00
L-08	Dresser (Skilled)	day	519.00
L-09	Driller	day	491.00
L-10	Electrician	day	520.00
L-11	Fitter	day	558.00
L-12	Mason (1st class)	day	550.00
L-13	Mason (2nd Class)	day	491.00
L-14	Mate	day	434.00
L-15	Mazdoor (Unskilled)	day	410.00
L-16	Mazdoor (Semi skilled)	day	426.00
L-17	Mazdoor (Skilled)	day	519.00
L-18	Painter (1st class)	day	520.00
L-19	Plumber	day	520.00
L-20	Surveyor	day	496.00
L-21	White Washer	day	520.00

**BASIC RATES
(B) Material**

Sl. No.	SOR Code	Description	Unit	Basic Rate as Per SOR	Add Royalty Royalty	Final Basic rate
M-001	M-056	AC pipe 100 mm	m	47.15		47.15
M-002	M-031	Aggregate - For 37.5 mm Maximum size - 22.4 mm to 5.6 mm	cum	763.48	150.00	913.48
M-003	M-033	Aggregate - For 37.5 mm Maximum size - 45 mm to 22.5 mm	cum	965.24	150.00	1,115.24
M-004	M-029	Aggregate - For 37.5 mm Maximum size - Below 5.6 mm	cum	284.45	150.00	434.45
M-005	M-031	Aggregate - For 53 mm Maximum size - 22.5 mm to 5.6 mm	cum	763.48	150.00	913.48
M-006	M-037	Aggregate - For 53 mm Maximum size - 63 mm to 45 mm	cum	855.81	150.00	1,005.81
M-007	M-029	Aggregate - For 53 mm Maximum size - Below 5.6 mm	cum	284.45	150.00	434.45
M-008	M-039	Aggregate - Grading I (40 mm nominal Size) 10 mm - 5 mm	cum	452.28	150.00	602.28
M-009	M-045	Aggregate - Grading I (40 mm nominal Size) 25 mm - 10 mm	cum	763.48	150.00	913.48
M-010	M-048	Aggregate - Grading I (40 mm nominal Size) 37.25 mm - 25 mm	cum	965.24	150.00	1,115.24
M-011	M-029	Aggregate - Grading I (40 mm nominal Size) 5 mm and below	cum	284.45	150.00	434.45
M-012	M-039	Aggregate - Grading II (19 mm nominal Size) 10 mm - 5 mm	cum	452.28	150.00	602.28
M-013	M-045	Aggregate - Grading II (19 mm nominal Size) 25 mm - 10 mm	cum	763.48	150.00	913.48
M-014	M-030	Aggregate - Grading II (19 mm nominal Size) 5 mm and below	cum	284.45	150.00	434.45
M-015	M-050	Aggregate 10 mm	cum	452.28	150.00	602.28
M-016	M-052	Aggregate 20 mm	cum	1,074.68	150.00	1,224.68
M-017	M-054	Aggregate 40 mm	cum	855.81	150.00	1,005.81
M-018	M-007	Aggregate- Crushable type such as moorum or Gravel for Grading I	cum	79.88	83.00	162.88
M-019	M-007	Aggregate- Crushable type such as moorum or Gravel for Grading II	cum	79.88	83.00	162.88
M-020	M-007	Aggregate- Crushable type such as moorum or Gravel for Grading III	cum	79.88	83.00	162.88
M-021	M-038	Aggregate-Grading I 90 mm to 45 mm	cum	855.81	150.00	1,005.81
M-022	M-037	Aggregate-Grading II 63 mm to 45 mm	cum	855.81	150.00	1,005.81
M-023	M-035	Aggregate-Grading III 53 mm to 22.4 mm	cum	965.24	150.00	1,115.24
M-024	M-030	Aggregates 22.4 mm to 2.36 mm for wet mix macadam	cum	547.86	150.00	697.86
M-025	M-033	Aggregates 45 mm to 22.4 mm for wet mix macadam	cum	965.24	150.00	1,115.24
M-026	M-059	Aluminium sheeting (1.5 mm thick)	sqm	8,941.03		8,941.03
M-027	M-062	Aluminium Studs 100 mm x 100 mm fitted with lense reflectors	Nos.	209.95		209.95
M-028		Bamboo (1st Class) 85 mm - 100 mm dia, 2.0 m long	No.	20.00		20.00
M-029		Bamboo (1st Class) 85 mm - 100 mm dia, 2.5 m long	No.	25.00		25.00
M-029		Bamboo (1st Class) 85 mm - 100 mm dia, 3.0 m long	No.	30.00		30.00
M-030		Bamboo (1st Class) 85 mm - 100 mm dia, 4.5 m - 5.5 m long	No.	60.00		60.00
M-029		Bamboo (2nd Class) 75mm dia, 1.8 m - 2.5 m long	No.	20.00		20.00
M-030		Bamboo (2nd Class) 75mm dia, 2.1 m - 3.0 m long	No.	25.00		25.00
M-031	M-063	Barbed wire	kg	79.75		79.75
M-032	M-007	Binding Material (Moorum)	cum	79.88	83.00	162.88

Sl. No.	SOR Code	Description	Unit	Basic Rate as Per SOR	Add Royalty Royalty	Final Basic rate
M-033	M-072	Binding wire	kg	48.30		48.30
M-034	M-078	Bitumen (Crumb Rubber Modified)	tonne	55,489.53		55,489.53
M-035		Bitumen (Natural Rubber Modified)	tonne	41,271.30		41,271.30
M-036		Bitumen (Polymer Modified)	tonne	-		-
M-037	M-074	Bitumen (S-65) VG-30 (Muzaffarpur) Excluding the cost of empty drum @ 1053.58/per MT	t	51,563.53		51,563.53
M-038	M-075	Bitumen (S-90) VG-30 (Muzaffarpur) Excluding the cost of empty drum @ 1053.58/per MT	t	49,763.53		49,763.53
M-039	M-077	Bitumen Emulsion (RS-1) (Muzaffarpur) Excluding the cost of empty drum @ 1053.58/per MT	t	47,594.53		47,594.53
M-040	M-077	Bitumen Emulsion (SS-1) (Muzaffarpur) Excluding the cost of empty drum @ 1053.58/per MT	t	49,047.53		49,047.53
	M-292	Waste Plastic	t	16,787.68		16,787.68
M-041	M-119	Bituminous sealant	litre	30.54		30.54
M-042	M-147	Random Rubble Stone	kg	544.61	150.00	694.61
M-043		Blasting material	kg	799.42		799.42
M-044	M-182	Bond stone (400 mm x 150 mm x 150 mm)	No.	10.80		10.80
M-045	M-079	Brick 1st Class	No.	5.125	0.045	5.170
M-046		Cement (OPC - 43 Grade) (Excluding the cost of Empty Bag @ Rs 7.68 Per Bag)	t	5,616.40		5,616.40
M-047		Cement Primer	litre	144.41		144.41
M-048		Chlorprene Elastomer or Closed Cell Foam Sealing Element	m			-
M-049	M-164	Compensation for earth taken from private land (Including royalty @ Rs. 33.0 per cum & compensation @ Rs. 2.25 per cum)	cum	2.25	33.00	35.25
M-050	M-085	Compressible Fibre Board	sqm	1,383.88		1,383.88
M-051	M-087	Copper plate	kg	553.35		553.35
M-052		Corbelling Stones (300 mm x 150 mm x 150 mm)	No.			-
M-053	M-088	Corrosion Resistant Structural Steel Grating	kg	77.41		77.41
M-054	M-090	Credit for excavated rock found suitable for use	cum	86.85	25.23	112.08
M-055		Crow bars 40 mm dia (hire charges)	hour	5.00		5.00
M-056	M-020	Crushed Sand or Grit Passing 2.36 mm and retained on 180 micron	cum	116.62	150.00	266.62
M-057		Crushed Slag	cum	775.57		775.57
M-058	M-025	Crushed Stone Aggregate 26.5 mm to 75 micron	cum	763.48	150.00	913.48
M-059	M-051	Crushed Stone chipping 13.2 mm nominal size	cum	452.28	150.00	602.28
M-060	M-049	Crushed Stone Chipping 6.7 mm size 100% passing 11.2 mm and retained on 2.36 mm	cum	284.45	150.00	434.45
M-061	M-049	Crushed Stone Chipping 6.7 mm size 100% passing 9.5 mm and retained on 2.36 mm	cum	284.45	150.00	434.45
M-062	M-050	Crushed Stone chipping 9.5 mm nominal size	cum	452.28	150.00	602.28
M-063	M-034	Crushed Stone Coarse Aggregate Passing 53 mm and retained on 2.8 mm	cum	624.85	150.00	774.85
M-064	M-091	Curing compound	litre	38.00		38.00
M-065		Debonding strips	m	45.00		45.00
M-066		Edge Stone (450 mm x 350 mm x 100 mm)	No.			-
M-067		Edge Stone (450 mm x 350 mm x 200 mm)	No.			-

SL No.	SOR Code	Description	Unit	Basic Rate as Per SOR	Add Royalty Royalty	Final Basic rate
M-068	M-094	Elastomeric bearing assembly	Nos.	24,867.00		24,867.00
M-069	M-094	Electric Detonator	each	6.72		6.72
M-070	M-098	Epoxy Paint	litre	342.03		342.03
M-071	M-097	Epoxy Primer	litre	105.24		105.24
M-072	M-168	Farmyard manure	cum	552.10		552.10
M-073		Fevicol adhesive	kg	125.00		125.00
M-074	M-011	Filter media	cum	547.86	150.00	697.86
M-075	M-020	Fine aggregate/Crushed sand 2.36 mm to 75 micron	cum	116.62	150.00	266.62
M-076	M-103	Galvanised angle	kg	57.02		57.02
M-077		Galvanised angle Section 100 mm x 100 mm of 12 mm thickness	kg	57.02		57.02
M-078	M-104	Gelatine 80 per cent	kg	124.54		124.54
M-079	M-056	GI Pipe 100 mm dia	m	617.32		617.32
M-080	M-056	GI Pipe 50 mm dia	m	211.02		211.02
M-081	M-102	GI wires	kg	96.39		96.39
M-082	M-049	Graded stone aggregate	cum	965.24	150.00	1,115.24
M-083	M-003	Granular material (Natural occurring, soil gravel mixture / quarry waste, kankar, laterite, dhandla	cum	85.37	150.00	235.37
M-084	M-054	Hand Broken Metal 40 mm size	cum	544.61	150.00	694.61
M-085		Indigo	kg	957.49		957.49
M-086		Interlocking Blocks with 60 mm thickness	sqm			-
M-087		Interlocking Blocks with 80 mm thickness	sqm			-
M-088	M-140	Joint filler board	sqm	420.00		420.00
M-089	M-120	Jute netting, open weave 25 mm square opening	sqm	34.62		34.62
M-090		Jute rope 12 mm dia	m	34.62		34.62
M-091	M-031	Key Aggregates passing 22.4 mm and retained on 2.8 mm	cum	547.86	150.00	697.86
M-092	M-190	Lime	t	3,150.00		3,150.00
M-093	M-190	Lime putty	t	3,150.00		3,150.00
M-094	M-094	Local Wood Piles (1st Class) 150-200 mm dia, 6m long	No.	525.75		525.75
M-095		Local Wood Piles (1st Class) 100 mm x 75 mm	cum	42,694.18		42,694.18
M-096	M-002	Loose stone	cum	544.61	150.00	694.61
M-097	M-101	MS clamps	Nos.	46.87		46.87
M-098	M-181	MS Flat / Structural Steel	t	55,116.67		55,116.67
M-099		MS Sheet Tube (47 mm x 47 mm x 12 SWG Sheet)	kg	44.93		44.93
M-100		MS Sheet 1.5 mm thick	sqm	416.00		416.00
M-101		MS Sheet 2 mm thick	sqm	832.00		832.00
M-102	M-129	Nuts, Bolts and Rivets	t	80,280.00		80,280.00
M-103	M-130	Paint (Synthetic Enamel)	litre	283.74		283.74

Sl. No.	SOR Code	Description	Unit	Basic Rate as Per SOR	Add Royalty Royalty	Final Basic rate
M-104	M-182	Plasticizer	litre	30.45		30.45
M-105	M-137	Polythene sheet (125 micron)	sqm	17.81		17.81
M-106	M-138	Polythene Sheathing	Nos.	17.81		17.81
M-107	M-002	Quarried Stone 150-200 mm size	cum	544.61	150.00	694.61
M-108	M-149	RCC Pipe NP3 (1200 mm dia)	m	6,953.28		6,953.28
M-109	M-148	RCC Pipe NP3 (1000 mm dia)	m	5,949.27		5,949.27
M-110		RCC Pipe NP3 (750 mm dia)	m			-
M-111		RCC Pipe NP3 (600 mm dia)	m	2,510.02		2,510.02
M-112		RCC Pipe NP3 (500 mm dia)	m			-
		RCC Pipe NP3 (300 mm dia)	m	568.48		568.48
M-113	M-149	RCC Pipe NP4 (1200 mm dia)	m	6,953.28		6,953.28
M-114	M-148	RCC Pipe NP4 (1000 mm dia)	m	5,949.27		5,949.27
M-115		RCC Pipe NP4 (750 mm dia)	m			-
M-116		RCC Pipe NP4 (600 mm dia)	m	2,510.02		2,510.02
M-117		RCC Pipe NP4 (300 mm dia)	m	568.48		568.48
M-118		Red-oxide Primer	litre	226.49		226.49
M-119	M-131	Road marking paint	litre	283.74		283.74
M-120	M-005	Sand (Coarse)	cum	434.64	75.00	509.64
M-121	M-006	Sand (Fine)	cum	70.87	75.00	145.87
M-122	M-163	Seeds	kg	42.95		42.95
M-123	M-176	Steel Pipe 50 mm dia	m	272.10		272.10
M-124	M-083	Steel Reinforcement (HYSD Bars)	t	51,334.75		51,334.75
M-125	M-125	Steel Reinforcement (MS Round Bars)	t	51,334.75		51,334.75
M-126	M-083	Steel Reinforcement (TMT Bars)	t	51,334.75		51,334.75
M-127	M-001	Stone Boulder of size 150 mm and below	cum	544.61	150.00	694.61
M-128	M-051	Stone Chips 12 mm size	cum	452.28	150.00	602.28
M-129	M-042	Stone Chips 13.2 mm to 5.6 mm	cum	452.28	150.00	602.28
M-130	M-040	Stone Crushed Aggregate 11.2 mm to 0.09 mm	cum	284.45	150.00	434.45
M-131		Stone for Coarse Rubble Masonry 1st Sort	cum			-
M-132		Stone for Coarse Rubble Masonry 2nd Sort	cum			-
M-133	M-147	Stone for Random Rubble Masonry	cum	544.61	150.00	694.61
M-134		Stone for Stone Set Pavement (300 mm x 200 mm x 150 mm)	No.			-
M-135	M-041	Stone Screening - Type A 13.2 mm for Grading-1	cum	284.45	150.00	434.45
M-136	M-042	Stone Screening - Type A 13.2 mm for Grading-2	cum	284.45	150.00	434.45
M-137	M-040	Stone Screening - Type B 11.2 mm for Grading-2	cum	284.45	150.00	434.45
M-138	M-041	Stone Screening - Type B 11.2 mm for Grading-3	cum	284.45	150.00	434.45

Sl. No.	SOR Code	Description	Unit	Basic Rate as Per SOR	Add Royalty Royalty	Final Basic rate
M-139	M-001	Stone spall	cum	544.61	150.00	694.61
M-140		Traffic cones	No.			-
M-141	M-189	Water	kl	61.40		61.40
M-142	M-021	Well graded Granular Base Material - Grading A 2.36 mm below	cum	116.62	150.00	266.62
M-143	M-025	Well graded Granular Base Material - Grading A 26.5 mm to 4.75 mm	cum	763.48	150.00	913.48
M-144	M-028	Well graded Granular Base Material - Grading A 53 mm to 26.5 mm	cum	965.24	150.00	1,115.24
M-145	M-021	Well graded Granular Base Material - Grading B 2.36 mm below	cum	116.62	150.00	266.62
M-146	M-025	Well graded Granular Base Material - Grading B 26.5 mm to 4.75 mm	cum	763.48	150.00	913.48
M-147	M-019	Well graded Granular Base Material - Grading C 2.36 mm below	cum	116.62	150.00	266.62
M-148	M-015	Well graded Granular Base Material - Grading C 9.5 mm to 4.75 mm	cum	452.28	150.00	602.28
M-149	M-019	Well Graded Material for Sub-Base - Grading I 2.36 mm below	cum	116.62	150.00	266.62
M-150	M-012	Well Graded Material for Sub-Base - Grading I 53 mm to 9.5 mm	cum	794.26	150.00	944.26
M-151	M-016	Well Graded Material for Sub-Base - Grading I 9.5 mm to 2.36 mm	cum	284.45	150.00	434.45
M-152	M-019	Well Graded Material for Sub-Base - Grading II 2.36 mm below	cum	116.62	150.00	266.62
M-153	M-026	Well Graded Material for Sub-Base - Grading II 26.5 mm to 9.5 mm	cum	763.48	150.00	913.48
M-154	M-016	Well Graded Material for Sub-Base - Grading II 9.5 mm to 2.36 mm	cum	284.45	150.00	434.45
M-155	M-019	Well Graded Material for Sub-Base - Grading III 2.36 mm below	cum	116.62	150.00	266.62
M-156	M-023	Well Graded Material for Sub-Base - Grading III 4.75 mm to 2.36 mm	cum	116.62	150.00	266.62
M-157	M-024	Well Graded Material for Sub-Base - Grading III 9.5 mm to 4.75 mm	cum	452.28	150.00	602.28
M-158		Wooden sleepers (250 mm x 250 mm x 125 mm) (hire charges)	No.	5.00		5.00
RCD						-
M-118	M-118	Hot applied thermoplastic compound (Sp. Gravity - 2.10)	litre	210.99		210.99
M-152	M-153	Reflectorising glass beads	kg	80.71		80.71
M-146	M-146	Stone crushed aggregates 13.2 mm to 0.09 mm	cum			-
		Slow-curing bitumen emulsion	kg	144.41		144.41
M-146	M-161	Sapling 2 m high 25 mm dia	each	28.64		28.64
M-146	M-135	Pesticide	Kg	83.64		83.64
M-146	M-092	Delimiters from ISI certified firm as per the standard drawing given in IRC - 79	each	568.80		568.80

BASIC RATES
(C) USAGE RATES OF PLANT & MACHINERY

Sr. No.	SOR Code	Description of		Output of Machine		Usage Rates in Rs.	
		Machine	Activity	Unit	Output	Unit	Rate
PM-001	PM-15001	Air Compressor 210 cfm	Supplying compressed air	cfm	250.00	per hour	455.00
PM-002	P&M-024	HMP 30-40 TPH	BM, DBM, SDBC, PM	Cum/h	17.00	per hour	31,459.00
PM-003	P&M-002	Batch mix Plant 30 cum capacity	Concrete mixing	Cum/h	20.00	per hour	3,684.00
PM-004	PM-26001	Bitumen boiler oil fired	Bitumen Spraying				
		200 litre		litre / h	400.00	per hour	563.00
		1000 litre		litre / h	2000.00	per hour	563.00
PM-005	PM-24001	Bitumen pressure distributor	Applying bitumen tack coat	sqm/h	1750.00	per hour	1,362.00
PM-006	PM-21001	Concrete mixer 0.28/0.4 cum	Mixing of ingredients	cum/h	2.50	per hour	351.00
PM-007	PM-63002	Crane upto 3.5T	Lifting of materials			per hour	813.00
PM-008	PM-1003	Dozer D 50	Dozing/cutting/Clearing	cum/h	200.00	per hour	4,342.00
				cum/h	100.00		3,014.00
PM-009	PM-22005	Electric generator set, 125 KVA	Electricity generation	KVA	100.00	per hour	1,646.00
PM-010	PM-25001	Emulsion Sprayer with Tractor	Spraying of Emulsion			per hour	1,362.00
PM-011	P&M-017	Front end-loader 1 cum bucket capacity @ 45 cum/hour	Loading Aggregates	cum/h	45.00	per hour	1,432.00
			Loading Soil	cum/h	100.00		1,432.00
PM-012	P&M-031	Hydraulic broom with tractor	Surface cleaning	sqm/h	1250.00	per hour	807.00
PM-013	PM-3005	Hydraulic Excavator 0.9 cum	Excavation	cum/h	100.00	per hour	2,288.00
PM-014	PM-2146	Hydraulic self propelled chip spreader	Surface Dressing	sqm/h	1500.00	per hour	1,689.00
PM-015	P&M-084	Jack Hammer with tractor	Pavement breaking & rock drilling	cum/h	05. to 1	per hour	1,289.30
PM-016	PM-42001	Joint Cutting Machine with 2-3 blades	Cutting of Joints	h		per hour	357.00
PM-017		Mixall 6-10 t capacity	Mixing of bituminous materials	t/h	8.00	per hour	1,954.00
PM-018	P&M-032	Motor Grader	Scarifier & levelling	cum/h	200.00	per hour	4,479.00
	P&M-054	Tractor Mounted Grader			100.00		705.00
PM-019	PM-44001	Needle vibrator	Vibrating cement concrete mix	cum/h	3.50	per hour	405.00
PM-020	PM-1583	Paver finisher	Laying/spreading	t/h	75.00	per hour	2,157.00
PM-021	PM-46001	Plate compactor	Compaction	cum/h		per hour	415.00
PM-022	P&M-086	Plate vibrator	Compaction	cum/h		per hour	415.00
PM-023		Screed vibrator	Compaction	cum/h		per hour	102.65
PM-024	PM-8001	Smooth wheeled 80-100 kN tandem roller	Compaction of Sub-base/ Asphalt	cum/h	30.00	per hour	1,612.00
PM-025	PM-16001	Stone crusher (Integrated) of 250 TPH	Crushing of Spalls	t/h	250.00	per hour	13,800.00

Sr. No.	SOR Code	Description of		Output of Machine		Usage Rates In Rs.	
		Machine	Activity	Unit	Output	Unit	Rate
PM-026	P&M-044	Three wheel 80-100 kN Static Roller	Compaction/ Rolling			per hour	1,612.00
			Earth:- Embankment or sub-grade	cum/h	80/70		1,612.00
			Sub-base G-I	cum/h	10.00		1,612.00
			Sub-base G-II/G-III	cum/h	8.00		1,612.00
			WMM	cum/h	16.00		1,612.00
			BUSG	cum/h	10.00		1,612.00
			BM 50/75 mm	cum/h	12.00		1,612.00
			Premix 20 mm	sqm/h	250.00		1,612.00
			Seal Coat	sqm/h	500.00		1,612.00
			Surface Dressing 1st Coat	sqm/h	400.00		1,612.00
			Surface Dressing 2nd Coat	sqm/h	500.00		1,612.00
PM-027	PM-6004	Tipper 5.5 cum/10 t	Carriage	cum/trip	5.50	per hour	1,441.00
PM-028	P&M-053	Tractor with Disc Harrows	Pulverisation of soil	cum/h	80.00	per hour	688.00
PM-029	PM 12001&14 001	Tractor with ripper @ 60 cum per hour	Ripping Pavements, uprooting trees	cum/h	60.00	per hour	709.00
PM-030	PM-12001	Tractor with trolley/with Grading equipment	Transportation of materials	t/trip	3 to 5	per hour	688.00
PM-031	PM 12001&13 001	Tractor with Rotavator	Scarifier	cum/h	25.00	per hour	705.00
PM-032	P&M-057	Truck 10 t capacity	Carriage	cum/trip	5.50	per hour	934.30
PM-033	PM-10001	Vibratory roller 80-100 kN	Compaction of soil WMM	cum/h	100.00	per hour	2,072.00
			Compaction of BM	cum/h	60.00		2,072.00
PM-034	PM-11003	Water tanker 6 kl capacity (Truck Mounted)	Carriage of water	litre / h	12000.00	per hour	764.00
PM-035	P&M-062	Wet mix plant (Pug Mill)	Wet Mix	cum/h	25.00	per hour	690.00
RCD							
P&M-036	PM-40001	Road marking machine	Road marking	Sqm/h	100.00	per hour	1,423.00
P&M-037	P&M-022	Hot Mix Plant - 100 TPH	DBM/BM/SDBC/Pre mix	Cum/h	2.70	per hour	51,313.00
P&M-038	PM-90003	Sensor Paver Finisher	Paving of DBM/BM/SDBC/Pre mix	Cum/h	40.00	per hour	6,427.00
P&M-039	PM-22004	250 KVA Generator Set	Generation of Electric Energy	KVA	200.00	per hour	1,134.00
P&M-040	P&M-047	Tipper 5 Cum	Transportation of Soil, GSB, WMM, Hotmix etc.	Capacity in Cum	5.50	Tonne.Km	9.89
P&M-040	PM-9001	Tandem Road Roller	Rolling of Asphalt Surface	Cum/h	30.00	per hour	2,072.00

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
1	OLD SOR 8.1.3.2 (iii)		Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm thick including cost of light barriers, danger signals, chowkidar, taxes, royalty etc. all complete job as per specification and direction of E/I including carriage cost of bricks. Unit = cum Assuming- 2.832 Cum a) Cost of brick bat cum 2.832 1041.00 2948.11 Labour (Unskilled) i) Carrying, spreading, laying & Packing nos 1.50 410.00 615.00 ii) Compaction brick bats with C.I. Hammer. nos 0.67 410.00 274.70 d) Cost for 2.832 cum = a+b+c+d 3837.81 e) Rate Per cum = (a+b+c+d)/2.832 cum 1355.16 CARRIAGE Carriage for Brick (1 cum Bats = 300 nos Bricks) nos 0.300 658.16 197.54 Rate per cum with carriage 1552.70 Total Cost including CUM 1,552.70				
2	3.40	302 (A)	Construction of Embankment with Material Obtained from Borrow Pits 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 0.04 434.00 17.36 Mazdoor (Unskilled) day 1.00 410.00 410.00 b) Machinery Hydraulic Excavator 0.9 cum bucket capacity @ 60 cum per hour hour 1.67 2288.00 3820.96 Tipper 5.5 cum with 10 t capacity hour 4.50 1441.00 6484.50 Add 10 % of the cost of carriage by tipper 648.45 Dozer D-50 for spreading @ 100 cum per hour hour 0.50 3014.00 1507.00 Tractor mounted grader arrangement for grading @ 100 cum per hour 1.00 705.00 705.00 Water tanker 6 kl capacity hour 2.00 764.00 1528.00 Three wheel 80-100 kN Static Roller @ 80 cum per hour hour 1.25 1612.00 2015.00 c) Material Water kl 12.00 61.40 736.80 Compensation for earth taken from private land cum 100.00 35.25 3525.00 Cost for 100 cum = a+b+c+d+e 21398.07 Rate per cum = (a+b+c+d+e)/100= 213.98 Total Cost CUM 213.98				
3 (1)	9.30	1100 A.	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and manholes Clause 1106 600 MM DIA Unit = m Taking output = 7.5 m (3 pipes of 2.5 m length each) a) Material i) Sand at site cum 0.02 145.49 3.49 ii) Cement at site ton 0.02 5995.96 107.93 iii) RCC pipe NP 4 pipe including collar at site m 7.50 2581.21 19359.08 b) Labour Mate day 0.04 434.00 17.36 Mason (1st class) day 0.12 550.00 66.00 Mazdoor (Unskilled) day 0.96 410.00 393.60 Cost for 7.5m = (a+b+c) 19947.45 Rate per m = (a+b+c)/7.5 2659.66 Total Cost M 2659.66				

SL No.	SDB SL No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
4 (II)	9.30	1100	Providing and Laying Reinforced Cement Concrete Pipe NP4 as per design in Single Row Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. B. 1000 MM DIA Unit =m Taking output =7.5 m (3 pipes of 2.5 m length each) a) Material i) Sand at site ii) Cement at site iii) RCC pipe NP 4 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) Cost for 7.5m = (a+b+c+d) Rate per m =(a+b+c+d)/7.5 Carriage cost:- Sand at site RCC pipe NP3 concrete pipe including collar at site Rate per cum including Carriage	cum ton m day day day cum m	0.04 0.03 7.50 0.09 0.25 2.00 0.01 1.00	145.49 5995.96 5949.27 434.00 550.00 410.00 327.29 173.67	5.82 179.88 44619.53 39.06 137.50 820.00 1.75 173.67 6283.84
			Total Cost	m			6283.84
5			(A) Labour of filling new E.C bags with local sand (Volume of filled bag 1.2 cft and weight 50 kg) stching on two lines by approved nylon thread with stitching machine & generators stacking the bags and placing in nylon crate of size (1m x1m 1m) with a lead of 150 m including supply of nylon thread etc placing the filled crates in water protion within a lead of 30m all complete as per approved design specifiaction and direction of E/I (5.7.39.3 &5.7.49) New EC bags carriages of local sand Unit = Each Bag Taking OutPut Of 100 Nos. Filled New Bags In 4 Nos. N.C Material New Bag (Volume of Filled Bag 1.2 Cft) Naylon Crate(N.C) A Rate of Material Per NC(25 Bags per N.C.) Labour Unskilled Labour For Filling Stiching & Stacking Unskilled Laber For Carrying & Placing Skilled Labour For Stiching Material For Stiching Stiching Roll (Nylon) Hire Charges Of Machine Hire Charge Of Stiching Machine Hire Charge Of Generator 3KVA Cost for 100 Nos. = a+b+c+d Rate Per Each NC CARRIAGE Carriage for Local Sand i Rate Per Each NC with carriage Labour Skilled Labour Unskilled Laber For Carrying & Placing Mate ii Taking One EC bag to contain 1.2 cft of sand,hence rate for 100 nos of bags(ii*120/100*4) B Rate for NC in Water portion(i+ii)	each each Nos Nos Nos nos Day Hrs cum Nos Nos Nos	100 4 1.67 3.00 0.33 2.00 0.33 2.67 0.450 1.00 1.00 0.37	12.49 39.85 410.00 410.00 519.00 30.00 50.00 74.00 145.49 519.00 410.00 434.00	1249.00 0.00 312.25 684.70 1230.00 171.27 60.00 16.50 197.58 65.47 655.48 519.00 410.00 160.58 1089.58 326.87 982.36
			Hence finish rate of N.C. in water portion (A+B)	each			1,294.61

Chapter 1

LOADING, UNLOADING, CARRIAGE CRUSHING OF MATERIALS AND SETTING OUT

Notes:

- 1 Rates are for net quantities after deduction of voids.
- 2 Part of km beyond 1 km will be payable for the full km.

Sr. No.	Reference to MORD Specifications	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
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				
		i) Positioning of tipper at loading point	Min	1		
		ii) Loading by front end loader 1 cum bucket capacity @ 45 cum per hour	Min	7.33		
		iii) Waiting time, unforeseen contingencies, etc.	Min	2		
		Total	Min	10.33		
		a) Machinery				
		(i) Tipper 10 t capacity	hour	0.172	1,441.00	247.85
		(ii) Front end-loader 1 cum bucket capacity @ 45 cum per hour	hour	0.122	1,432.00	174.70
		b) Overheads @ 2.5%				-
		c) Contractor's Profit @ 10.0% on (a+b)				-
		Cost for 5.5 cum = a+b				422.56
		Rate per cum = (a+b) / 5.5				76.83
		(ii) Loading of Earth, Sand, Moorum, Manure, Flyash 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				
		i) Positioning of tipper at loading point	Min	1.00		
		ii) Loading by front end loader 1 cum bucket capacity @ 100 cum per hour	Min	3.30		
		iii) Waiting time, unforeseen contingencies, etc.	Min	2.00		
		Total	Min	6.30		
		a) Machinery				
		(i) Tipper 10 t capacity	hour	0.105	1,441.00	151.31
		(ii) Front end-loader 1 cum bucket capacity @ 100 cum per hour	hour	0.055	1,432.00	78.76
		b) Overheads @ 2.5%				-
		c) Contractor's Profit @ 10.0% on (a+b)				-
		Cost for 5.5 cum = a+b+c				230.07
		Rate per cum = (a+b+c) / 5.5				41.83

Sr. No.	Reference to MORD Specifications	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
		(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 return trip Time required for i) Positioning of tipper at unloading point ii) Manoeuvring, reversing, dumping and turning for return iii) Waiting time, unforeseen contingencies, etc. Total a) Machinery Tipper 10 t capacity b) Overheads @ 2.5% c) Contractor's Profit @ 10.0% on (a+b) Cost for 5.5 cum = a+b+c	Min Min Min Min hour	1.00 2.00 2.00 5.00 0.08	1,441.00	115.28 - - 115.28
Rate per cum = (a+b+c)/5.5						20.96
CALCULATION BY TIPPER						
1.10		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 Empty return trip b) Overheads @ 2.5% c) Contractor's Profit @ 10.0% on (a+b) Cost for 100 t.km = a+b+c	hour hour	0.40 0.29	1,441.00 1,441.00	576.40 417.89 - - 994.29
Rate per t.km = (a+b+c)/100						9.90
	Note:	In case of carriage of Hume pipes, output of truck be taken as 8 t and the rate for t is to be divided by number of pipes of different 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 Empty return trip b) Overheads @ 2.5% c) Contractor's Profit @ 10.0% on (a+b) Cost for 100 t.km = a+b+c	hour hour	0.50 0.33	1,441.00 1,441.00	720.50 475.53 - - 1,196.03
Rate per t.km = (a+b+c)/100						12.00

Sr. No.	Reference to NORD Specifications	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	Note:	In case of carriage of Hume pipes, output of truck be taken as 8 t and the rate per t is to be divided by number of pipes of different 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					
	i) Tipper 10 t capacity					
	Haulage with load	hour	1.00	1,441.00	1,441.00	
	Empty return trip	hour	0.67	1,441.00	965.47	
	b) Overheads @ 2.5%				-	
	c) Contractor's Profit @ 10.0% on (a+b)				-	
	Cost for 100 t.km = a+b+c				2,406.47	
Rate per t.km = (a+b+c)/100						24.10
	Note:	In case of carriage of Hume pipes, output of truck be taken as 8 t and the cost for 8 t is to be divided by number of pipes of different				
CALCULATION BY TRUCK						
1.10		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	373.72	
	Empty return trip	hour	0.29	934.30	270.95	
	b) Overheads @ 2.5%				-	
	c) Contractor's Profit @ 10.0% on (a+b)				-	
	Cost for 100 t.km = a+b+c				644.67	
Rate per t.km = (a+b+c)/100						6.45
	Note:	In case of carriage of Hume pipes, output of truck be taken as 8 t and the rate for t is to be divided by number of pipes of different 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	467.15	
	Empty return trip	hour	0.33	934.30	308.32	
	b) Overheads @ 2.5%				-	
	c) Contractor's Profit @ 10.0% on (a+b)				-	
	Cost for 100 t.km = a+b+c				775.47	
Rate per t.km = (a+b+c)/100						7.75

Sr. No.	Reference to NORD Specifications	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
		Note: In case of carriage of Hume pipes, output of truck be taken as 8 t and the rate per t is to be divided by number of pipes of different 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 i) Truck 10 t capacity Haulage with load Empty return trip b) Overheads @ 2.5% c) Contractor's Profit @ 10.0% on (a+b) Cost for 100 t.km = a+b+c				
			hour	1.00	934.30	934.30
			hour	0.67	934.30	625.98
						-
						-
						1,560.28
Rate per t.km = (a+b+c)/100						15.60