JRAL WORKS DEPARTMENT

GOVERNMENT OF BIHAR

CIRCLE - R.W.D. works Circle, Kishanganj

DIVISION - R.W.D. works Division, Kishanganj-1

Name of Work - Haldi Khora Bank Tola to T03

Block - Kochadhaman

Estimated cost - Rs 530741.00

Year: 2020-21

Date: Inspection Report for flood damage work
1. Name of PIUs- Kishon gon J-1
2. Name of Block/Road-Hardckhora Bank tola to to3
A.For Road
1. Damage Location/Chainage: 2. Damage Lengh: 170 m. 3. Nature of Damage: Damage and deep side Cut- 4. Details of Restoration: i Material being used in Restoration: Bamboo, Brick bail Equipment/Tools being used in Restoration works: Practor, Sond, c-boil Procedure taken up in Restoration works: manual iv Restored Length: 170 m.
B. For Bridge 1.Damage Location/Chainage: 2. Damage Lengh: 3.Nature of Damage: 4.Details of Restoration: i Material being used in Restoration: ii Equipment/Tools being used in Restoration works: iii Procedure taken up in Restoration works: iv Restored Length:
023 mm 14/12/20 AE

Signature of JE/AE/EE

Signature

कार्यपालक अभियन्ता प्रभाप जीविष्यान कार्य प्रमण्डल, अररिया

Detailed Estimate

Haldi Khora Bank Tola to T03

SI No	Item	No	Length	Width	Height	Qnty	Unit	Rate	Amount
1	Providing and cutting of 62 mm to 75 mm dia	164	1.60	-	-	262.40			
	bamboo piles to size and making shoes, all complete jobE/I				Total	262.40	sqm	50.20	13172.00
2	Providing, fitting and fixing 62 mm to 75 mm dia	8	170.00	-	-	1360.00			
	bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails complete job as per specification and direction of E/I.				Total	1360.00	sqm	28.53	38801.00
3	Providing and filling empty cement bags with	1	170.00	0.65	1.50	165.75			
	local sand, stitching the bags and placing				Total	165.75	cum		
	including supply of sutli etc. all complete job E/I	=	5853	.46 cft	Say	4878.00	Nos	38.14	186047.00
4	Providing laying and spreading brick bats in	1	120.00	1.50	0.60	108.00			
	Road ditches all complete as per approved design, specifications and direction of E/I				Total	108.00	cum	2145.02	231662.00
								TOTAL	469682.00
							Add 1	2 % GST	Rs 56362.00
								% L. Ces	Rs 4697.00
							Tot	al Cost	Rs 530741.00

Say. RS. 530 800/-

J.E RWD Kishanganj-1 A.E R.W.D Kishanganj-1

E.E R.W.D Kishanganj - I

Technically approved for (530800/-

(RS. Five Lacs Thirty housand and Eight

Hundredonly

अधीक्षण अभियन्ता प्रामीण कार्य विभाग कार्य अंचल, किशनगंज

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	Imposium	Builde	6	203.05	37.10	37.10	59.43	59.43	59 43	28.00	12.00	4 4 4 5 00
		Loading	60	203.05	59.43	59.43	118.86	118 86	118 86	4162	17.84	1 412 00
	Lead in K.W	Katcha Road	7	4-	-	0	0	0	c		0	
	Lead	Surface	9	7	2	80	120	120	14.	06	06	Z Z
		To	5	Site	Site	Site	Site	Site	Site	Site	Site	Sito
LEAD CHART		From	4	Local Kiln	Local	Chopra	Siliguri	Siliguri	Local	Purnia	Purnia	local
LEA		Mode of transport	6	By road	By road	By road	By road	By road	By road		By road	By road
		Source		Local Kiln	Local source	Chopra	Siliguri	Siliguri	Local	Purnia	Purnia	Local
		Name of material	2	(S	Fine sand	Coarse Sand		Stone metal for GSB		Hume pipe (1000 mm	Hume pipe (600 mm	Bamboo 62 to 75 mm
	17	ó	-	1 Bricks	2 Fine	3 Coa	4 Boulder	6 Ston	7 Seel	8 Hun	Hum 6	0 Barr

A.E. R.W.D. Kishanganj-1

J.E RWD Kishanganj-1

E.E. R.W.D. Kishanganji - I

FDR 2020

2			RATE ANALYSIS				
Marie 1	No.	Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amours in Ro
1	302	(i)	Excavation in cutting in soil by manual	P. Control			
1			Excavation for roadway in soil using manual means with lead up to 50 m as per technical specification clause 302.3	embantenan	-14		land water field of
			as per technical specification clause 302.3 Unit = cum	embankmen	t site with a lift	upto 1.5 m and	lead obto on m
			Taking output = 120 cum	1	1	1	
-		a)	Labour 120 cum		,		
-			Mate				
1			(Viazdoon (Unskilled)	day	1.80		
		b)	Overheads @ 6 % on (a)	Liny	45.00	2.67.00	12,915.00
		(c)	Contractor's profit @ 0% on (a+b)				0.00
		(c)	Cost for120 cum = a+b+c				13,464.00
	-	-	Rate per cum = $(a+b+c)/120$. 117.20
2	3.3	301.5	Construction of the Cost	CUM	STATE OF THE STATE		112.20
	3.3	301.3	Construction of embankment with material obtained from road way cutting				or femal denin and
			Construction of embankment with approved materials deposited at site and of foundation of other structures graded and compacted to meet requirement	btained from	no t and 300	and excavation	in from drain and leaf Specification
			Clause 301.5	t of Tables 3	00.1 and 300.	z as per recini	area advantagement
		1	Unit = cum	1	1	1	1
			Taking output = 100 cum				
		a)	labour				
	1	1	iviate	uay	U.UZ	305.00	10.45
		1	Mazdoor (Unskilled)	day	0.50	287.00	143.50
		b)	Machinery	have .	0.50	3,337.90	1,668.95
			Dozer D-50 for spreading @ 100 cum per hour	hour	1.00	573.20	573.20
			Tractar mounted grader arrangement for grading @ 100 cum per hour Water tanker 6 kl capacity	hour	2.00	184.00	368.0
			Three wheel 80-100 kN Static Roller	hour	1.25	803.00	1,003.7
		(c)	Material				
	1	1	Water	kl	12.00	40.00	480.0
			Compensation for earth	cum	100.00	34.81	3,481.0
		d)	Overheads @ 6 % on (a+b+c)				0.0
		e)	Contractor's profit @ 10% on (a+b+c+d)				7,724.5
			Rate for 100 cum = $a+b+c+d+e$ Rate per cum = $(a+b+c+d+e)/100^{\circ}$	_			77.2
-	-	-			Company Company	A CONTRACTOR OF THE PARTY OF TH	77.2
		1	Total Cos	t CUM	A Children Const		
-	-		Grand total = 112.2 + 77.25 =	= CUM			A STATE OF THE PARTY OF THE PAR
3	9.3	1100	Grand total = 112.2 + 77.25 : Providing and Laving Reinforced Cement Concrete Pipe NP3 as per design in	= CUM Single Row			189.4
3	9.3	1100	Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fire	Single Row	ing of granula	r material in sir	189.4
3	9.3	1100	Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir- fixing collar with cement mortar 1:2 but excluding excavation, protection world	Single Row	ing of granular, concrete and	r material in sir I masonry work	189.4
3	9.3		Grand total = 112.2 + 77.25 and Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on find fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106.	Single Row	ing of granula , concrete and	r material in sir I masonry work	189.4
3	9.3	1100 A.	Grand total = 112.2 + 77.25 and Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on find fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA	Single Row	ing of granulai	r material in sir I masonry works	189.4
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3	9.3		Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m	Single Row	ing of granulai	r material in sir i masonry works	189.4
3	9.3		Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m (3 pipes of 2.5 m length each)	Single Row	ing of granula , concrete and	r material in sir i masonry work	189.4
3	9.3		Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m	Single Row	ing of granula , concrete and	r material in sir I masonry works	189.4 ngle row including s in head walls an
3	9.3		Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m (3 pipes of 2.5 m length each) a) Material	E CUM Single Row st class bedd ks, backfilling	, concrete and	175.80 4850.80	189.4 ngle row includings in head walls an
3	9.3		Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets 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	E CUM Single Row st class bedd ks, backfilling	ing of granular, concrete and	175.80	189.4
3	9.3		Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets 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 iii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour	cum	7.50	175.80 4850.80 2075.92	189.4 ngle row including s in head walls an 0. 0. 15569
3	9.3		Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m (3 pipes of 2.5 m length each) a) Material l) Sand at site ii) Cement at site iii) Cement at site b) Labour Mate	cum cum cum cum cum cum cum day	7.50 0.04	175.80 4850.80 2075.92 305.00	189.4 gle row includings in head walls an 0 0 15569
3	9.3		Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m (5 pipes of 2.5 m length each) a) Material 1) Sand at site iii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class)	cum ton day day day	7.50 0.04 0.12	175.80 4850.80 2075.92 305.00 388.00	189.4 ngle row includings in head walls and 0 0 0 15569
3	9.3		Grand total = 112.2 + 77.25 = Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = Taking output = 7.5 m (3 pipes of 2.5 m length each) a Material 1) Sand at site ii) Cement at site iii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled)	cum cum cum cum cum cum cum day	7.50 0.04	175.80 4850.80 2075.92 305.00	189.4 ngle row includings in head walls and 0 0 0 15569
3	9.3		Grand total = 112.2 + 77.25 = Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = T 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 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c)Overheads @6 % on (a+b)	cum ton day day day	7.50 0.04 0.12	175.80 4850.80 2075.92 305.00 388.00	189.4 ogle row including in head walls and og
3	9.3		Grand total = 112.2 + 77.25 = Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m (3 pipes of 2.5 m length each) a) Material ii) Sand at site iii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c)Overheads @6 % on (a+b) d)Contractor's profit @ 0% on (a+b+c)	cum ton day day day	7.50 0.04 0.12	175.80 4850.80 2075.92 305.00 388.00	189.4 ogle row including in head walls and og
3	9.3		Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m (3 pipes of 2.5 m length each) a) Material l) Sand at site ii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c)Overheads @6 % on (a+b) d)Contractor's profit @ 0% on (a+b+c) e) Carriage	cum ton day day day	7.50 0.04 0.12	175.80 4850.80 2075.92 305.00 388.00	189.4 ngle row includings in head walls and 0 0 15569 12 46 275
3	9.3		Grand total = 112.2 + 77.25 = Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m (3 pipes of 2.5 m length each) a) Material ii) Sand at site iii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c)Overheads @6 % on (a+b) d)Contractor's profit @ 0% on (a+b+c)	cum ton day day day	7.50 0.04 0.12 0.96	175.80 4850.80 2075.92 305.00 388.00 287.00	189.4 ngle row includings in head walls and 0 0 0 15569 12 46 275
Contract con	9.3		Grand total = 112.2 + 77.25 a Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets 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 iii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c)Overheads @6 % on (a+b) d)Contractor's profit @ 0% on (a+b+c) e) Carriage i) Sand at site	cum ton day day day cum	7.50 0.04 0.12 0.96	175.80 4850.80 2075.92 305.00 388.00 287.00	189.4 ngle row includings in head walls and 0. 0. 15569 12 46 275
3	9.3		Grand total = 112.2 + 77.25 = Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m (5 pipes of 2.5 m liength each) a Material 1) Sand at site ii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c)Overheads @6 % on (a+b) d)Contractor's profit @ 0% on (a+b+c) e) Carriage ii) Sand at site ii) Cement at site	cum ton day day day cum ton	7.50 0.04 0.12 0.96	175.80 4850.80 2075.92 305.00 388.00 287.00	189.4 gle row includings in head walls and 0. 0. 15569 12 46 275
33	9.3		Grand total = 112.2 + 77.25 = Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets 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 ii) Cement at site iii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c)Overheads @6 % on (a+b) d)Contractor's profit @ 0% on (a+b+c) e) Carriage ii) Sand at site iii) Cement at site iii) Cement at site	cum ton day day day cum ton	7.50 0.04 0.12 0.96	175.80 4850.80 2075.92 305.00 388.00 287.00	189.4 ngle row includings in head walls and 0. 0. 15569 12 46 275
(3)	9.3		Grand total = 112.2 + 77.25 = Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m (3 pipes of 2.5 m length each) a) Material l) Sand at site ii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c)Overheads @6 % on (a+b) d)Contractor's profit @ 0% on (a+b+c) e) Carriage l) Sand at site iii) Cement at site	cum ton day day cum ton m	7.50 0.04 0.12 0.96	175.80 4850.80 2075.92 305.00 388.00 287.00	189.4 ngle row includin, s in head walls an 0 0 0 15569 12 46 275
3	9.3	A	Grand total = 112.2 + 77.25 = Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output = 7.5 m (5 pipes of 2.5 m liength each) a) Material I) Sand at site ii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c) Overheads @6 % on (a+b) d) Contractor's profit @ 0% on (a+b+c) e) Carriage I) Sand at site iii) RCC pipe NP 3 pipe including collar at site Cost for 7.5m = (a+b+c) Nate per m = (a+b+c)//.5 Total	cum ton m ton m ton m cum ton m day day day day cum ton m day day day day day day day day	7.50 0.04 0.12 0.96	175.80 4850.80 2075.92 305.00 388.00 287.00	189.4 gle row includin, s in head walls an 0 0 15569 12 46 275
Sign of the same o	9.3	A	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete Pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = T Taking output =7.5 m (5 pipes of 2.5 m length each) a) Material i) Sand at site ii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c)Overheads @6 % on (a+b) d)Contractor's profit @ 0% on (a+b+c) e) Carriage ii) Cement at site iii) RCC pipe NP 3 pipe including collar at site Cost for 7.5m = (a+b+c) Rate per m =(a+b+c)//.5 Total	cum ton m day day day from m cum ton m day day day day day day day cum ton m from	7.50 0.04 0.12 0.96	175.80 4850.80 2075.92 305.00 388.00 287.00	189.4 ngle row including in head walls are 0 0 0 15569 12 46 275 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		1100	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete Pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = m Taking output =7.5 m (3 pipes of 2.5 m length each) a) Material 1) Sand at site ii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c)Overheads @6 % on (a+b) d)Contractor's profit @ 0% on (a+b+c) e) Carriage ii) Cement at site iii) Cement at site iii) Cement at site iii) Cement at site iii) Cepipe NP 3 pipe including collar at site Cost for 7.5m = (a+b+c) Kate per m =(a+b+c)//.5 Total Total Cor	cum ton m day day day fon Single Row st class bedd ks, backfilling	7.50 0.04 0.12 0.96	175.80 4850.80 2075.92 305.00 388.00 287.00	189.4 ngle row including in head walls are 100 miles in he
3		1100	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete Pipe NP3 as per design in Providing and laying reinforced cement concrete Pipe NP3 for culverts on fir fixing collar with cement mortar 1:2 but excluding excavation, protection work parapets Clause 1106. 600 MM DIA Unit = T Taking output =7.5 m (5 pipes of 2.5 m length each) a) Material i) Sand at site ii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) c)Overheads @6 % on (a+b) d)Contractor's profit @ 0% on (a+b+c) e) Carriage ii) Cement at site iii) RCC pipe NP 3 pipe including collar at site Cost for 7.5m = (a+b+c) Rate per m =(a+b+c)//.5 Total	cum ton m day day day fon Single Row st class bedd ks, backfilling	7.50 0.04 0.12 0.96	175.80 4850.80 2075.92 305.00 388.00 287.00	189.4 ngle row including in head walls are 100 miles in he

	1		Unit =m				
			Taking output =7.5 m				
			(3 piges of 3 s)	1	1	1 1	
			(3 pipes of 2.5 m length each) a) Material				
			I) Sand at site				
			ii) Cemeni at site	CUM			
			iii) RCC pipe NP 3 pipe including college to	cum		175.80	0.0
				m	7.50	4850.80 2758.22	0.0 20686.6
			b) Labour	kg	7.50	33.66	252.4
			Fitter				
			Mason (1st class)	day	1.00	395.00	395.0
			Mazdoor (Unskilled)	day	2.00	388.00	776.0
1			c)Overheads @6 % on (a+b) d)Contractor's profit @ 0% on (a+b+c)	day	21.00	287.00	6027.0
			e) Carriage				0.0
			I) Sand at site				
			ii) Cement at site	cum	0	2107.51	0.0
			iii) RCC pipe NP 3 pipe including collar at site	ton	750	5547,44	. 0.0
1			Cost for $7.5m = (a+b+c+d)$	m	7.50	1030.28	7727.1 35864.2
			Kate per m ≈(a+b+c+d)/7.5				4/81.8
		E AL TOTAL GRADE	Total	1			4781.8
5	9.5	1100	Providing and Loving Bolefond Co.	m	Service (4 781 8
	(C)		Providing and Laying Reinforced Cement Concrete Pipe NP3 as per Design in	Double Row			
1			Providing and laying reinforced cement concrete pipe NP3 for culverts on firs fixing collar with cement mortar 1:2 but excluding excavation, protection work	t class beddir	ig of granular	material in doub	le row including
1			parapets as per Clause 1106.	s, Dackining,	concrete and	masonry works i	ii neau wans an
		C.	2 X 1000 MM DIA	1	1		
			Unit ≃m				
		1	Taking output =7.5 m				
			(å pipes of 2.5 m length each in two rows) a) Material	1			
			I) Sand at site	cum		175.80	0.0
			ii) Cement at site	ton		4850.80	0.0
			iii) RCC pipe NP 3 pipe including collar at site	m	15.00	2758.22	41373.3
			Jute	kg	15.00	33.66	504.9
			b) Labour			205.00	700
-			Fitter [Mason (1st class)	day	2.00	395.00 388.00	790.0 1552.0
			Mazdoor (Unskilled)	day	42.00	287.00	12054.0
			c)Overheads @6 % on (a+b)				
			d)Contractor's profit @ 0% on (a+b+c)				0.0
			e) Carriage				
			I) Sand at site	cum	0	2107.51 5547.44	0.0
			ii) Cement at site iii) RCC pipe NR 3 pipe including collar at site	ton	15.00	1030 28	15/15/1.3
i		1	Cost for 7.5m = (a+b+c)				71728.4
1			Rate per m = $(a+b+c)/7.5$				9563.7
1			Total				9563.
			Total Cost		(6.000)		9563.
5	WRD		Providing and Placing Sand bags including all meterial and Labour for filling en placing including supply of sutli etc. all complete as per approved design, spec	ipty cement b	direction of E	sand, sticning th	ie bags and
15	5.7.40.1				direction of c		
1			Unit :-	Per % nos			
- 1			Taking Out put:-	100	nos		
1		M.150	Cost of E.C. Bags	%	100	8.46	846.0
		101-133	Cost of Sand(100x1.2/35.3)(120Cft)	cum	3.40	141.85	482.
		!	1		5.10		1328.
							1320.
		b)	Overheads @ 0% on (a+b+c)				
		b) c)	Overheads @ 0% on (a+b+c) Overheads @5 %		Per % nos		
				cum	Per % nos 3.40	306.27	1041.
		c) d)	Overheads @5 % carriage of sand	cum		306.27	
		c) d) e)	Overheads @5 % Carriage of Sand For filling & stiching & stacking (Sub analysis below)	cum		306.27	583.
		c) d)	Overheads @5 % Carriage of Sand For filling & stiching & stacking (Sub analysis below) For Placing (Sub Analysis below)	cum		306.27	583. 861.
		c) d) e)	Overheads @5 % Carriage of Sand For filling & stiching & stacking (Sub analysis below)	cum	3.40	306.27	583. 861. Rs.3814.
		c) d) e)	Overheads @5 % Carriage of Sand For filling & stiching & stacking (Sub analysis below) For Placing (Sub Analysis below)	cum		306.27	583. 861. Rs.3814.
		c) d) e)	Overheads @5 % Carriage of Sand For filling & stiching & stacking (Sub analysis below) For Placing (Sub Analysis below) Rate Per % Bags	cum	3.40	306.27	583. 861. Rs.3814.
		c) d) e) f)	Overheads @5 % Carriage of Sand For filling & stiching & stacking (Sub analysis below) For Placing (Sub Analysis below) Rate Per % Bags	cum	3.40	306.27	583.8 861.0 Rs.3814.4
		c) d) e) f)	Overheads @5 % Carriage of Sand For filling & sticking & stacking (Sub analysis below) For Placing (Sub Analysis below) Rate Per % Bags Final Rate Per % Bags	cum	3.40	306.27	1041.3 583.4 861.4 Rs.3814.4

		Sutali	Kg	0.50	19.75	9.88
	255000000000000000000000000000000000000	Overheads @ 0% on (a+b+c)				
		Overheads @5 %				583.88
	Cost for 1	00 nos = a+b+c+d				583.88
	Rate per					Rs.583.88
		Final Rate For filling & stiching & stacking		Per % nos (a)		NS.363.00
5.7.40.1	WRD	Labour rate for filling of E.C.Bags with stiching and stacking				
1	Sub And	AND THE COURSE OF THE PROPERTY			.	
	В	For Placing				
		(a) Unskilled mazdoor for carring filled bags and placing to work site	nos	3	287.00	861.00
	b	Overheads @0% on (a+b+c)				
		Overheads @5 %				201 00
		100 nos = a+b+c				861.00
						861.00
	HATE TIP	Tenal Pate	 	Per%Nos (b)	Rs.861.00
-	-	Final Rate		Per Shillos	to the second	Rs. 1444.00
6 7 7	-	Providing bamboo piles including Labour for cutting 62 mm to 75 mm dia sal	bamboo pile	s to size and maki	ing shoes	
5.7.7		and driving etc. complete job as per specification and direction of E/I.				
	5.7.7	Unit:	Per N	1		
		Taking Out put:	30.5	O Mtr		
		(A				
1		(Assuming 20 nos. pile sunk 1.525 mtr deep)				
		Total depth sunk 30.50 meter				
	(a)	Labour	nos	0.25	345.00	86.2
		Carpenter Gr II	nos	2.5	287.00	717.5
		Unskilled mazdoor for pilling	1103			
	(b)	Materials	m	30.5	23.85	727.4
		Bamboo 75 mm to 62 mm dia	1			1531.1
		Sub total	1%	15		
	(c)	Overheads @5 %	100			1501.3
		Total for 30.5 Mic Length				50.2
	-	Rate Per M		Say Ks	erivi -	50.2
3 5.7		Supplying fitting and fixing 62mm to 75 mm dia bamboo runners in position	at every ver	tical pile with		
5.7	.9 WRD	150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails, all n	naterial and	Labour		
		complete job as per specification and direction of E / I.				
			Per M			
		Taking Out put	30.50	Mtr		
	(1)	Materials				
		Cost of 150 mm long nails	Kg	0.5	55.84	27
		Bamboo 75 mm to 62 mm dia	m	30.5	23.85	727
	(b)	Labour	1			
		Carpenter Gr II	nos	0.125	345.00	43
		Unskilled mazdoor	nos	0.25	287.00	71
		Sub total				870
	(1)			15 %		
		Total for 30.5 Mtr Length				870
		Rate Per M		Sav De	20.53	Par M
	1			Say Rs	28.53 00 mm long	recivi
9 57	8 440	Providing fitting and fixing splite hambon woven charbart in position with 3	O SWE G L W			
9 5.7	7.8 WRI	Providing fitting and fixing splite bamboo woven chacharl in position with 2 nails alternatively including cost of G.I. wire or nails, bamboo Labour for co	The second secon		The second secon	
9 5.7	'.8 WRI		The second secon		The second secon	
9 5.7	'.8 WRI	nails alternatively including cost of G.I. wire or nails, bamboo Labour for co of E / I.	mplete job a		The second secon	
9 5.7	7.8 WRI	nails alternatively including cost of G.I. wire or nails, bamboo Labour for co of E / I.	mplete job a		The second secon	
9 5.7	'.8 WRI	nails alternatively including cost of G.I. wire or nails, bamboo Labour for co of E / I.	mplete job a		The second secon	

1		(A)	Materials	1	1		
			75 mm to 100 mm long nails				
			Bamboo 75 mm to 62 mm dia	Kg	0.25	55.84	13.96
			(Bamboo@75mm =3050/75= 40.67 say 41nos. X 3.05= 125.05m		1 1	1	
1			Add for Lower Sinder of Chachari 10 x 3.05 =30.5 m				
			Runner(@150mm C/C) 7 x 3.05= 21 35m				
		(10)	(Total=143.35m, Hence, 176.9/6= 30 Nos)	m	143.35	23.85	3418.90
		(B)	Labour				
			Carpenter Gr II	nos	1	345.00	345.00
			Unskilled mazdoor	nos	1	287.00	287,00
1			Sub total .				4064.86
		(c)	Overheads @5 %	15	1%		
			Total for 9,30 SqM				4064.86
			Rate Per SgM				4.37.08
				S	ay Rs	Per M ²	437.08
10	9.2	1100 &	Sand filling or Type B (First Class) Bedding				
	(1)	800	Laying (First Class) bedding on well compacted sand, moorum or approved				
			granular material as per Clause 1105 (ii) Fillling in foundation trenches as per drawing and technical specification				
			Clause 305.3.9				
		1.	Sand filling				
			Unit = cum				
1		(a)	Labour Mate	day	0.01	305.00	3.05
			Mazdoor (Unskilled)	day	0.30	287.00	86.10
		(b)	Material		1.20	141.85	170.22
			Sand (assuming 20 per cent voids)	cum	1.20	112.00	
		(c)	Overheads @ 6 % on (a+b)				5.00
		d)	Overheads @5 %				0.00
		1	CARRIAGE COST	Cum	1.2	306.27	367.52
			sand Rate per cum – a+b+c				626.83
			Total Cos	t CUM	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		626.89
11	WRD	5.7.40	Construction of granular sub base using Jhama metal/ Brick Bat vide WRD		e havldar nitchi	ng in slope or an	nron including
			Providing and laying dry graded jhama khoa? Brickbat or stone filter under bilight ramming etc.all complete job as per specification and direction of E $/$ l.	rick pitching o	ir boulder pitchi	ing in stope of up	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			light ramming etc.air complete job as per specification and an extension of				
			Unit = cum				
			Taking output = 2.832 cum				
-		(5)	Labour		000	305.00	0.00
			Mazdoor (Unskilled)	day	0.00		861.00
			Mazdoor (Unskilled)	day	3.00	287.00	861.0
1			Sub total of Labour for 2.832 Cum				
1			Labour charge for 1.00 cum				304.0
		(b)	Material				
1			Brick bat:	cum	1.200	1,063.00	1,275.6
-							
-		(e)	Carriage				
1			Brick bat	cum	1.200	471.16	565.3
							2,145.0
		Cost for 1	(II) cum = a+b+c+d+e				
	1		.00 cum = a+b+c+d+e cum = (a+b+c+d+e)				Rs.2145.0

C/2/12/12