

सीवान एवं गोपालगंज जिला अन्तर्गत N.H.-101 खोरीपार-मुहम्मदपुर (45.00-65-140 कि०मी०) पथांश के चौड़ीकरण एवं सुदृढीकरण हेतु क्षतिपूर्क वनीकरण हेतु अपयोजित वनभूमि का प्रस्तावित प्राकलन।

ROHTAS FOREST DIVISION, SASARAM (Sasaram Range, Sasaram)									
FROM FINANCIAL YEAR 2019-20 TO THE FINANCIAL YEAR 2028-29									
Name of the Scheme:--		Compensatory Afforestation		Gross Area in hectare:--		32			
Duration of the Scheme:--		From F.Y.2019-20 TO F.Y.2028-29.		Net Area in hectare:--		29			
Name of the Division:--		Rohtas Forest Division, Sasaram.		Length of Soil Trench Fencing in Chain in hard Soil:--		80			
Name of the Range:--		Sasaram Range, Sasaram.		Length of Stone wall fencing Fencing in Chain :--		55			
Name of the Beat:--		Darigawn.		Area in hectare for normal density bush:--		18			
Name of the Site/P.F:--		Gharbair P.F.		Area in hectare for dense bush:--		11			
Revenue Thana No:--		306		No. of Plants per hectare:--		2500			
Plot No:--		630(P).		Total No. of Plants:--		72500			
Name of the Revenue Block:--		Sasaram.		Wages Rate in Rupees per Mandays:--		268.00			
Advance Work (F.Y.2019-20)	Item No.	Details of Works	Unit	Rate per hectare/Chain			Amount of Work	Total Estimated Amount	
				Mandays	Wages (Rs.)	Material		Total Wages (Rs.)	Total Material
1	2		3	4	5	6	7	8	9
17.1		Survey & Demarcation	hac.	3.00	804.00	25.00	829.00	32.00	25728.00
									10
									800.00
									26528.00

Advance Work	Details of Works	Rate per Unit	Mandays	Wages (Rs.)	Material	Total Amount	Amount of Work	Total Estimated Wages (Rs.)	Total Material	Total Amount
1	2	3	4	5	6	7	8	9	10	11
17.2.1	Bush Clearance- bush of normal density	hac.	8.00	2144.00	0.00	2144.00	18.00	38592.00	0.00	38592.00
17.2.2	Bush Clearance- dense bush	hac.	16.00	4288.00	0.00	4288.00	11.00	47168.00	0.00	47168.00
Details Estimate attached below	SMC Checkdam			0.00	0.00	107770.00	9.00	970000.00	0.00	970000.00
17.4.3	Soil Trench (i) By machines in hard soil of the size of 1.83mx1.22mx1.22m 70% of the Manual	chain	0.00	0.00	0.00	3000.00	80.00	240000.00	0.00	240000.00
	(II) Making bund of the dug up soil @ 15% of (i)	chain	3.00	804.00	0.00	804.00	80.00	64320.00	0.00	64320.00
17.5.1	Stone Trench of the size of 0.90mx0.90mx0.30m	chain	21.00	5628.00	0.00	5628.00	55.00	309540.00	0.00	309540.00
17.7.2	Soil Work pit digging of the size of 30cmx30cmx30cm in hard soil	Per 1000 pit	26.50	7102.00	0.00	7102.00	72.5	514895.00	0.00	514895.00
17.9	Nursery Work	per 1000	8.158	2186.34	1773.00	3959.34	72.5	158509.94	128542.50	287052.44

17.10	Purchase of material (Nursery Work)	per 1000 plt.	0.00	0.00	500.00	500.00	72.5	0.00	36250.00	36250.00
	TOTAL		77.50	20770.00	525.00		430.00	2368752.94	165592.50	2534345.44
Completion Work (F.Y.2020-21)										
Item No.	Details of Works	Unit	Mandays	Wages (Rs.)	Material	Total Amount	Amount of Work	Total Wages (Rs.)	Total Material	Total Amount
1	2	3	8	5	6	7	8	9	10	11
17.11	Nursery Completion	1000 plt	10.92	2926.56	280.00	3206.56	72.5	212175.60	20300.00	232475.60
17.12	Plantation	1000 plt	32.00	8576.00	450.00	9026.00	72.5	621760.00	32625.00	654385.00
17.13.2.2	Two Hoeing & Weeding in hard soil	1000 plt	35.00	9380.00	300.00	9680.00	72.5	680050.00	21750.00	701800.00
17.14	Seed sowing on the trenches .	chain	0.50	134.00	40.00	174.00	80.00	10720.00	3200.00	13920.00
17.15.1	Protection (For more than 0-30 hac.)	L.S.	243.00	65124.00	0.00	65124.0		65124.00	0.00	65124.00
17.21.1	Misslaneous Work (Sign Board)	Plantat ion	0.00	0.00	0.00	0.00	0.00	0.00	10000.00	10000.00
	TOTAL		321.42	86140.56	1070.00	87210.56		1589829.60	87875.00	1677704.60
WITH	10% hike in the cost due to possible hike in wages rate.									1845475.06
1st Maintenance Work (F.Y.2021-22)										
17.16.2	Two Hoeing & Weeding in hard soil	1000 plt	35.00	9580.00	150.00	9530.00	72.5	680050.00	10875.00	690925.00
17.17.1	Protection (For more than 0-30 hac.)	L.S.	365.00	97820.00	0.00	97820.00		97820.00	0.00	97820.00
17.17.5	Trench Repair	chain	3.00	804.00	0.00	804.00	80.00	64320.00	0.00	64320.00
	TOTAL		403.00	108004.00	150.00	108154.00		842190.00	10875.00	853065.00

[illegible]

4th Maintenance Work (F.Y.2024-25)											
17.22.1	Protection (For more than 0-30 hac.)	L.S.	365.00	97820.00	0.00	97820.00			97820.00	0.00	97820.00
	TOTAL		365.00	97820.00	0.00	97820.00			97820.00	0.00	97820.00
WITH	50% hike in the cost due to possible hike in wages rate.										146730.00
5th Maintenance Work (F.Y.2025-26)											
17.23.1	Protection (For more than 0-30 hac.)	L.S.	365.00	97820.00	0.00	97820.00			97820.00	0.00	97820.00
	TOTAL		365.00	97820.00	0.00	97820.00			97820.00	0.00	97820.00
WITH	60% hike in the cost due to possible hike in wages rate.										156512.00
6th Maintenance Work (F.Y.2026-27)											
17.24.1	Protection (For more than 0-30 hac.)	L.S.	365.00	97820.00	0.00	97820.00			97820.00	0.00	97820.00
	TOTAL		365.00	97820.00	0.00	97820.00			97820.00	0.00	97820.00
WITH	70% hike in the cost due to possible hike in wages rate.										166294.00

7th Maintenance Work (F.Y.2027-28)											
17.25.1	Protection (For more than 0-30 hac.)	L.S.	365.00	97820.00	0.00	97820.00			97820.00	0.00	97820.00
	TOTAL		365.00	97820.00	0.00	97820.00			97820.00	0.00	97820.00
WITH	80% hike in the cost due to possible hike in wages rate.										176076.00
8th Maintenance Work (F.Y.2028-29)											
17.26.1	Protection (For more than 0-30 hac.)	L.S.	365.00	97820.00	0.00	97820.00			97820.00	0.00	97820.00
	TOTAL		365.00	97820.00	0.00	97820.00			97820.00	0.00	97820.00
WITH	90% hike in the cost due to possible hike in wages rate.										185858.00

ABSTRACT :-

Work and Year

Amount in Lakhs

1.	Advance Work (2019-20)	
2.	Completion Work (2020-21)	25.34
3.	1st Maintenance Work (2021-22)	18.45
4.	2nd Maintenance Work (2022-23)	10.24
5.	3rd Maintenance Work (2023-24)	10.32
6.	4th Maintenance Work (2024-25)	1.37
7.	5th Maintenance Work (2025-26)	1.47
8.	6th Maintenance Work (2026-27)	1.57
9.	7th Maintenance Work (2027-28)	1.66
10.	8th Maintenance Work (2028-29)	1.76
		1.86
		74.04
	Or	74.00

(Total Rupees seventy four lakhs only)

1. It is certified that last ten years Plantation has not been done in this Site.
2. It is certified that this estimate is based on the Rates approved by Additional PCCF(DEVELOPMENT) of Bihar for the Rehabilitation of the Degraded Forest(RDF).

Submitted

Checked by

Countersigned

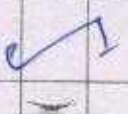
R O F
Sasaram.

Assistant Conservator of Forest
Rohtas Forest Division, Sasaram.

Divisional Forest Officer
Rohtas Forest Division, Sasaram.

CHENARI RANGE (ROHTAS FOREST DIVISION,SASARAM)

ABSTRACT OF SMC WORKS

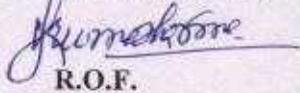
Name of the Division	:	Rohtas Forest Division,Sasaram.			
Name of the Range	:	Sasaram Forest Range, Sasaram.			
Name of the P.F.	:	Gharbair P.F.			
Thana No.	:	306			
Block	:	Sasaram.			
District	:	Rohtas District, Sasaram.			
Sl.No.	Item of Work	Quantity (Nos)	Rate (in Rs.)	Amount (in lakhs)	
A	Earthen Checkdam	80mLength	9	107770	9.70
Total					9.70
Project Area (in hac)		Total Amount (in lakhs)		Cost per hac (in lakhs)	
10		9.70		0.9699	
It is certified that this estimate is based on Sheduled of Rates (SOR) of Water Resources Deppt.of Govt. of Bihar effective from 01.10.2012. At presnt the minimum wage rate is Rs.268.00 per Mandays.The difference amount due to wages hike has been included in this estimate. The locally available stone boulders will be used.					
SUBMITTED		CHECKED BY		Countersigned	
					
R.O.F. Sasaram.		A.C.F., Rohtas Div.Sasaram		D.F.O.Rohtas Div.Sasaram	

ROHTAS FOREST DIVISION, SASARAM								
DETAIL ESTIMATE FOR CONSTRUCTION OF EARTHEN CHECKDAM(ECD)								
FINANCIAL YEAR 2019-2020								
Dimensional details:-						Wage	Rate Rs. 268.00	
Length:-	80'-0"	Av. H	8'	Slope:-		Key Trench:Slope:-	1:1	
Top Width:-	10'- 0"			U/S:-	2:1	Average Height	8'-0"	
Earthen outlet with boulder pitching				D/S:-	2:1			
SL. No.	Item no	Item of works			Unit	Quantity	Rate	Amount
1	7.1.3.2	Jungle/site clearance & weeding out shrubs including small trees			M2	317.20	5.50	1745
2	1.4.3 (i)(F)	Earth cutting and filling in checkdam by mechanical means @ 70% of the estimated Mandays required for digging a Soil Trench in hard soil including lead and lift all complete job. $(1.83+1.22)/2 \times 1.22 \times 20 = 37.21$ Cu.M @ Rs.4693.92/37.21 or Rs.126.14/ M3-rate proportionally converted to present wage rate. But the rate in this item no.is printed 3000.00 per chain in the letter issued from the Additional Principal Chief Conservator(Dev.) Bihar, Patna@209.00 per mandays. The earth cutting & filling by mechanical mean remening Rs. 3000/37.21 cum = Rs.80.62/cum			M3	513.00	80.62	41358
3	1.4.3 (ii)(F)	Dressing of excavated earth -3MD or Rs.804/37.21=Rs.21.60 Per M3			M3	513.00	21.60	11081
4	5.1.38	Watering and consolidating layers of 150 to 225 mm by mannual labour			M3	513.00	48.70	24983
5	6.1.24.1	Fine dressing of bonus and turfing with Grass sode including cost of watering upon D/S			M2	176.43	16.05	2832
6	5.7.41	Collection of Boulder / stone of desired size for Stone Pitching upon U/S			M3	18.36	238.70	4383
7	4.2	Loading unloading of stone by manual means			M3	18.36	113.70	2088
8	4.4 (c)	Carriage of boulder from average 5 K.m. distance $26 \times 5 \times 3.6 / 2.25 = 208.00$			M3	18.36	208.00	3819
9	5.7.18.2	Labour Charge for laying/Stone Pitching of stone boulder in the slope of Structure and outlet with 50 m lead with all complete job			M3	18.36	255.10	4684
Less C.P. 13.04%							Total-	96971
Less cess 1%							Item 1, 4,5, 6, 7,8 and 9	5807
							Item 1, 4, 5,8 and 9	381

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Added Increment(38.15%) in wages rate from Rs 194 Per Md to current wages rate to Rs. 268 Sl. No. 1,4,5,6,7,8 and 9		16989
	Total	107772
	Or say	107770
(Rupees One lakh seven thousand seven hundred seventy only)		

Certified that this estimate (Sl.No 1, 4 to 9) is based on scheduled of rates issued by Water Resources Deptt. Govt. of Bihar, enforced from 1.10.2015 and Sl.No. 2 and 3 is S.O.R of Forest department (APPCF(Dex),Bihar) issued by O/ O and is revised proportionally to current wage rate of Rs.268.


R.O.F.

Sasaram.


A.C.F.

Rohtas Forest Division, Sasaram.


Divisional Forest Officer
Rohtas Forest Division, Sasaram.