

ROHTAS FOREST DIVISION, SASARAM.

जिला अंतर्गत गाजीपुर-बलिया-यूपी/बिहार(मांझीघाट तक) ग्रीनफील्ड खंड के किमी 0.00 से किमी 115.200 तक एवं बक्सर स्वर(कुल बाई 17.800 किमी) चारलेन पथ निर्माण हेतु 11.5 हे० वन भूमि में क्षतिपूरक वनरोपण के प्राक्कलन का प्रस्ताव ।

FROM FINANCIAL YEAR 2023-24 TO THE FINANCIAL YEAR 2032-33

NAME OF THE DIVISION						ROHTAS FOREST DIVISION, SASARAM				
NAME OF THE RANGE						ROHTAS				
NAME OF THE BEAT						AKBARPUR				
NAME OF THE SUB BEAT						NAWADIH				
NAME OF DISTRICT-						ROHTAS				
NAME OF BLOCK						ROHTAS				
NAME OF THE (PLANTION SITE)						SHAHPUR				
THANA NO.						700				
PLOT NO.						1				
LENGTH OF TRENCH FENCING (in hard soil in Chain)						91				
LENGTH OF STONE FENCING (in Chain)						0				
AREA IN HAC. FOR NORMAL DENSITY BUSH						10				
AREA IN HAC. FOR NORMAL DENSE BUSH						3				
SMC Work:-						0 Structures				
TOTAL NO. OF PLANTS						12650				
						Gross	Net			
AREA						13	11.5	HA.		
G.P.S readings:--		24°36'10.6"N		24°36'17.51"N		24°36'12.14"N		24°35'55.90"N		
		83°55'27.61"E		83°55'21.46"E		83°55'11.38"E		83°55'27.59"E		
Wage Rate in Rupees per day						388				
Item No	Description	Unit	MDs	Wages	Material	Unit Rate	Physical	Financial		
C-1	C-2	C-3	C-4	C-5	C-6	C-7		Wages	Material	Total
FY-1	ADVANCE (FY-2023-24)									
5.1.1	Wages for survey and demarcation including construction of temporary pillars and digging of soil profile pit	ha	3.00	1164.00		1164	13	15132	0	15132
5.1.2	Material for survey and demarcation including construction of temporary pillars and digging of soil profile pit	ha			27.50	28	13	0	358	358
5.2	Hiring of amin in absense of departmental amin	ha	0.25	97.00		97.0	0	0	0	0
5.3	Bush Cleaning, applicable only when bushes are present									
5.3.1	Bush Cleaning - Normal bushes	ha	8.00	3104.00		3104	10	31040	0	31040
5.3.2	Bush Cleaning - Dense bushes	ha	16.00	6208.00		6208	3	18624	0	18624
5.3.3	Bush Cleaning - Very dense bushes	ha	24.00	9312.00		9312	0	0	0	0
5.3.4	Cutback operations (when coppicing is needed)	ha	30.00	11640.0		11640	0	0	0	0
	SMC Checkdam (Details Estimate attached below)		0.00	0.00	0.00	0	0	0	0	0
5.4	Trench fencing, depositing digged earth on inner side of plantation and compacting / dressing of the same (size - 1.83 m top width X 1.22 m bottom width X 1.22 m vertical height)									
5.4.1	Manual digging of trench in normal soil	chain	20.00	7760.00		7760	0	0	0	0
5.4.2	Manual digging of trench in hard soil	chain	26.40	10243.2		10243	0	0	0	0
5.4.3	Digging of trench with machine in hard soil	chain			3400.0	3400	91	0	309400	309400
5.4.4	Making of bund and compacting / dressing it (same in all soil types)	chain	3.00	1164.00		1164	91	105924	0	105924
5.4.5	Stone Wall Fencing using locally available stones (size - 0.9 m base x 0.9 m height x top width 0.3 m)	chain	21.00	8148.00		8148	0	0	0	0
5.4.6.1	Wages for stone wall fencing when stones are not available locally (size - 0.9 m base x 0.9 m height x 0.3m top width)	chain	31.50	12222.0		12222		0	0	0

	for stone wall fencing when are not available locally (size - 0.9 m base x 0.9 m height x 0.3m top width)	chain			2874.3	2874		0	0	0
5.5	Soil moisture conservation works									
5.5.1	Staggered contour trench size 30 cm x 30 cm x 10m @ spacing of 5 - 8 m between contour lines , Maximum 90 staggered contours per ha in normal soil (spacing and hence number will depend upon slope)	ha	34.00	13192.0		13192	0	0	0	0
5.5.2	Staggered contour trench size 30 cm x 30 cm x 10m @ spacing of 5 - 8 m between contour lines , Maximum 90 staggered contours per ha in hard soil (spacing and hence number will depend upon slope)	ha	41.00	15908.0		15908	0	0	0	0
5.6.1	Earthen check dam and gully plugging in normal soil	cft	0.02	0.00		0	0	0	0	0
5.6.2	Dressing of checkdam in normal soil	cft	0.00	0.00		0	0	0	0	0
5.6.3	Earthen check dam and gully plugging in hard soil	cft	0.02	7.76		7.76	0.000	0	0	0
5.6.4	Dressing of checkdam in hard soil	cft	0.0030	0.00		0	0	0	0	0
5.7.1	Wages for checkdam using local sand bags in normal soil	cft	0.02	0.00		0	0	0	0	0
5.7.2	Material for checkdam using local sand bags in normal soil	cft			5.50	6	0	0	0	0
5.7.3	Wages for checkdam using local sand bags in hard soil	cft	0.02	0.00		0	0	0	0	0
5.7.4	Material for checkdam using local sand bags in hard soil	cft			5.50	6	0	0	0	0
5.8.1	Wages for construction of water harvesting tank in normal soil	cft	0.02	0.00		0	0	0	0	0
5.8.2	Wages for construction of water harvesting tank in hard soil	cft	0.02	0.00		0	0	0	0	0
5.9	Earth Work - Alignment and pit digging in areas having normal / soft soil									
5.9.1	Pits 0.30m x 0.30m x 0.30m Normal or soft soil	No.	0.02	0.00		0	0	0	0	0
5.9.2	Pits 0.45m x 0.45m x 0.45m Normal or soft soil	No.	0.08	0.00		0	0	0	0	0
5.10	Earth Work - Alignment and pit digging in areas having hard soil									
5.10.1	Pits 0.30m x 0.30m x 0.30m Hard soil	No.	0.0265	10.28		10.3	12650	130067	0	130067
5.10.2	Pits 0.45m x 0.45m x 0.45m Hard soil		0.085	0.00			0	0	0	0
5.11.1	Wages for part nursery work (advance work in temporary nursery near plantation site to raise seedlings including 20% extra plants) per plant	No.	0.0082	3.165		3.165	12650	40041	0	40041
5.11.2	Material for part nursery work (advance work in temporary nursery near plantation site to raise seedlings including 20% extra plants) per plant	No.			2.50	3	12650		31629	31629
5.12	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)	Vr						6817	6828	13644
	Total :-							347645	348214	695859
FY-2	COMPLETION (FY-2024-25)									
5.13.1	Wages for part nursery work (completion work in temporary nursery near plantation site to raise seedlings including 20% extra plants)	No.	0.0109	4.23308		4.2331	12650	53549	0	53549

	for part nursery work completion work in temporary nursery near plantation site to raise seedlings (including 20% extra plants)	No.			0.3080	0.3080	12650	0	3896.2	3896
5.14.1	Wages for plantation work with movement of plants at site	No.	0.0320	12.4160		12.416	12650	157062	0	157062
5.14.2	Material for plantation work (including 10gm DAP per plant and insecticide)	No.			0.4950	0.4950	12650		6261.75	6262
5.15	Weeding-hoeing 2 times in normal soil									
5.15.1	Wages for 1st weeding-hoeing in normal soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0180	6.9840		6.9840	0	0	0	0
5.15.2	Material (10 gm urea per plant) for 1st weeding-hoeing	No.			0.1650	0.1650	0	0	0	0
5.15.3	Wages for 2nd weeding-hoeing in normal soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0120	0.0000		0.0000	0	0	0	0
5.15.4	Material (10 gm urea per plant) for 2nd weeding-hoeing	No.			0.1650	0.1650	0	0	0	0
5.16	Weeding-hoeing 2 times in hard soil									
5.16.1	Wages for 1st weeding-hoeing in hard soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0210	8.1480		8.1480	12650	103072	0	103072
5.16.2	Material (10 gm urea per plant) for 1st weeding-hoeing	No.			0.1650	0.1650	12650	0	2087.25	2087
5.16.3	Wages for 2nd weeding-hoeing in hard soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0140	5.4320		5.4320	12650	68715	0	68715
5.16.4	Material (10 gm urea per plant) for 2nd weeding-hoeing	No.			0.1650	0.1650	12650	0	2087.25	2087
5.17.1	Wages for seed sowing on trench fence bunds and contour trench bunds	chain	0.5000	194.00		194.00	91	17654		17654
5.17.2	Material for seed sowing on trench fence bunds and contour trench bunds	chain			44.00	44.00	91	0	4004	4004
5.18	Protection per day for (August to March - 243 days)									
5.18.1	0 - 30 ha	Persons X Days	1.0000	388.0		388.0	243	94284	0	94284
5.18.2	31 ha -60 ha	Persons X Days	2.0000	776.0		776.0	0	0	0	0
5.18.3	60 ha - 90 ha	Persons X	3.0000	1164.0		1164.0	0	0	0	0
5.18.4	> 90 ha	Persons X	4.0000	1552.0		1552.0	0	0	0	0
5.19	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)	Vr						9887	367	10253
Total :-								504223	18703	522926
FY-3	1st YEAR MAINTENANCE OF PLANTATION (FY-2025-26)									
5.20	Weeding-hoeing 2 times in normal soil									
5.20.1	Wages for 1st weeding-hoeing in normal soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0180	0.0000		0.0000	0	0	0	0

	Material (10 gm urea per plant) for 1st weeding-hoeing	No.			0.1650	0.1650	0	0	0	0
5.20	Wages for 2nd weeding-hoeing in normal soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0120	0.0000		0.0000	0	0	0	0
5.20.4	Material (10 gm urea per plant) for 2nd weeding-hoeing	No.			0.1650	0.1650	0	0	0	0
5.21	Weeding-hoeing 2 times in hard soil									
5.21.1	Wages for 1st weeding-hoeing in hard soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0210	8.1480		8.1480	12650	103072	0	103072
5.21.2	Material (10 gm urea per plant) for 1st weeding-hoeing	No.			0.1650	0.1650	12650	0	2087.25	2087
5.21.3	Wages for 2nd weeding-hoeing in hard soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0140	5.4320		5.4320	12650	68715	0	68715
5.21.4	Material (10 gm urea per plant) for 2nd weeding-hoeing	No.			0.1650	0.1650	12650	0	2087.25	2087
5.22	Protection per day for (April to March - 365 days)									
5.22.1	0 - 30 ha	Persons X Days	1.0000	388		388	365	141620	0	141620
5.22.2	31 ha - 60 ha	Persons X Days	2.0000	776		776	0	0	0	0
5.22.3	60 ha - 90 ha	Persons X Days	3.0000	1164		1164	0	0	0	0
5.22.4	> 90 ha	Persons X Days	4.0000	1552		1552	0	0	0	0
5.23	Trench repair	chain	3.0000	1164		1164	91	105924	0	105924
5.24	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)	Vr						8387	83	8470
Total :-								427718	4258	431976
FY-4	2nd YEAR MAINTENANCE OF PLANTATION (FY-2026-27)									
5.25	Weeding-hoeing 2 times in normal soil									
5.25.1	Wages for 1st weeding-hoeing in normal soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0180	6.9840		6.9840	0	0	0	0
5.25.2	Material (10 gm urea per plant) for 1st weeding-hoeing	No.			0.1650	0.1650	0	0	0	0
5.25.3	Wages for 2nd weeding-hoeing in normal soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0120	0.0000		0.0000	0	0	0	0
5.25.4	Material (10 gm urea per plant) for 2nd weeding-hoeing	No.			0.1650	0.1650	0	0	0	0
5.26	Weeding-hoeing 2 times in hard soil									
5.26.1	Wages for 1st weeding-hoeing in hard soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0210	8.1480		8.1480	12650	103072	0	103072
5.26.2	Material (10 gm urea per plant) for 1st weeding-hoeing	No.			0.1650	0.1650	12650	0	2087.25	2087

	for 2nd weeding-hoeing in hard application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	No.	0.0140	5.4320		5.4320	12650	68715	0	68715
5.26.4	Material (10 gm urea per plant) for 2nd weeding-hoeing	No.			0.1650	0.1650	12650	0	2087.25	2087
5.27	Protection per day for (April to March - 365 days)									
5.27.1	0 - 30 ha	Persons X Days	1	388		388	365	141620	0	141620
5.27.2	31 ha -60 ha	Persons X Days	2	776		776	0	0	0	0
5.27.3	60 ha - 90 ha	Persons X Days	3	1164		1164	0	0	0	0
5.27.4	> 90 ha	Persons X Days	4	1552		1552	0	0	0	0
5.28	Trench repair	per chain	3	1164		1164	91	105924	0	105924
5.29	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)	Vr						8387	83	8470
Total :-								427718	4258	431976
FY-5	3rd YEAR MAINTENANCE OF PLANTATION (FY-2027-28)									
5.30	Protection per day for (April to March - 365 days)									
5.30.1	0 - 60 ha	Persons X Days	1	388		388	365	141620	0	141620
5.30.2	61 ha -120 ha	Persons X Days	2	776		776	0	0	0	0
5.30.3	> 120 ha	Persons X Days	3	1164		1164	0	0	0	0
5.31	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)	Vr						2832	0	2832
Total :-								144452	0	144452
FY-6	4th YEAR MAINTENANCE OF PLANTATION (FY-2028-29)									
5.32	Protection per day for (April to March - 365 days)									
5.32.1	0 - 60 ha	Persons X Days	1	388		388	365	141620	0	141620
5.32.2	61 ha -120 ha	Persons X Days	2	776		776	0	0	0	0
5.32.3	> 120 ha	Persons X Days	3	1164		1164	0	0	0	0
5.33	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)	Vr						2832	0	2832
Total :-								144452	0	144452
FY-7	5th YEAR MAINTENANCE OF PLANTATION (FY-2029-30)									
5.34	Protection per day for (April to March - 365 days)									
5.34.1	0 - 60 ha	Persons X Days	1	388		388	365	141620	0	141620
5.34.2	61 ha -120 ha	Persons X Days	2	776		776	0	0	0	0
5.34.3	> 120 ha	Persons X Days	3	1164		1164	0	0	0	0
5.35	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)	Vr						2832	0	2832
Total :-								144452	0	144452
FY-8	6th YEAR MAINTENANCE OF PLANTATION (FY-2030-31)									
5.36	Protection per day for (April to March - 365 days)									
5.36.1	0 - 60 ha	Persons X Days	1	388		388	365	141620	0	141620
5.36.2	61 ha -120 ha	Persons X Days	2	776		776	0	0	0	0

	na	Persons X Days	3	1164		1164	0	0	0	0
5.37	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)	Vr					2832	0	2832	
Total :-							144452	0	144452	
FY-9	7th YEAR MAINTENANCE OF PLANTATION (FY-2031-32)									
5.38	Protection per day for (April to March - 365 days)									
5.38.1	0 - 60 ha	Persons X Days	1	388		388	365	141620	0	141620
5.38.2	61 ha - 120 ha	Persons X Days	2	776		776	0	0	0	0
5.38.3	> 120 ha	Persons X Days	3	1164		1164	0	0	0	0
5.39	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)	Vr					2832	0	2832	
Total :-							144452	0	144452	
FY-10	8th YEAR MAINTENANCE OF PLANTATION (FY-2032-33)									
5.40	Protection per day for (April to March - 365 days)									
5.40.1	0 - 60 ha	Persons X Days	1	388		388	365	141620	0	141620
5.40.2	61 ha - 120 ha	Persons X Days	2	776		776	0	0	0	0
5.40.3	> 120 ha	Persons X Days	3	1164		1164	0	0	0	0
5.41	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)	Vr					2832	0	2832	
Total :-							144452	0	144452	
Grand Total :-							2574017	375433	2949451	

1 It is certified that for the last ten years no Plantation has been done on this Site.

2 The estimate submitted is based on the revised schedule of rate communicated by PCCF (Development) memo No. 06 dated 13.6.2022.

Abstract							
Financial Year	Estimated Amount at current Rate				Potential growth Rate	Amount of increase in Value	Total Amount
	MD	Wages	Material	Total			
1	2	3	4	5	6	7	8 (5+7)
2023-24	388	347645	348214	695859	0%	0	695859
2024-25	388	504223	18703	522926	5%	26146	549072
2025-26	388	427718	4258	431976	10%	43198	475173
2026-27	388	427718	4258	431976	15%	64796	496772
2027-28	388	144452	0	144452	20%	28890	173343
2028-29	388	144452	0	144452	25%	36113	180566
2029-30	388	144452	0	144452	30%	43336	187788
2030-31	388	144452	0	144452	35%	50558	195011
2031-32	388	144452	0	144452	40%	57781	202233
2032-33	388	144452	0	144452	45%	65004	209456
Total :-	2574017	375433	2949451			415822	3365273

SUBMITTED BY

R.O.F.
Rohtas Forest Range.

T.S.Granted For Rs. 3365273 Only

Divisional Forest Officer,
Rohtas Forest Division Sasaram.