

कार्यालय उप वन संरक्षक, बारां

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क्रमांक 0 एफ ()/एफ.सी.ए./ उ.व.स./2024 -25/ 9245 दिनांक 06-12-2024

निमित्त:- संभागीय मुख्य वन संरक्षक,
कोटा।

विषय :-Prop[osal for Diversion of 286.47 ha of forest land in favour of Executive water Resource Division III ,Baran Construction of Hathiyadeh Medium Irrigation Project in Baran District.

Proposal no :- FP/RJ/IRRIG/27263/2017)

संदर्भ:- MOEF के पत्र दिनांक 28.10.2024 के क्रम में।


महोदय,

उपरोक्त विषयान्तर्गत संदर्भित पत्र के क्रम में निवेदन है कि आप द्वारा जारी आनलाईन ई.डी.एस दिनांक 28-10-2024 से चाही गई रिपोर्ट संलग्न प्रेषित है।

SN	EDS	Date 28-10-2024	Reply
i	A copy of the approved CAT plan as per para 9.2 (vii) of chapter 9 the consolidated guideline and clarifications issued under the van sanrakshan evam samvardhan Adhinyam 1980 which stated that the CAT plan shall be approved by the principal CCF & HoFF or any other officer authorized by him for the purpose need to be submitted.		The CAT plan was prepared in accordance with departmental model and it was duly sent to the CCF Kota Office via letter number 7321 dated 06.08.2024 of this office. Query related to the CAT Plan was already replied by the aforementioned letter.
ii	The state Govt.report that the 286.47 ha NON forest land has been proposed for CA out of which 242.50 ha NON forest land for CA reported as दो तिहाई भाग पर जुलीपलोरा होने से वृक्षारोपण कराया जाना संभव नहीं है। परन्तु सुम्पूर्ण प्राप्त गैर वन भूमि का उपचार कराया जायेगा and in the balance 43.996 ha NON forest CA land reported as दो तिहाई भाग पर प्राकृतिक सधन वन होने से वृक्षारोपण कराया जाना संभव नहीं है। परन्तु सुम्पूर्ण प्राप्त गैर वन भूमि का उपचार कराया जायेगा। Whereas as per the DSS analysis (copy enclosed) the newly proposed 44 ha Nfl for CA appear barren and devoid of vegetation cover as depicted through satellite imagery. This needs clarification.		The entire 286.47 hectares of land received for compensatory afforestation is currently infested with Prosopis juliflora. As a first step, this invasive species will be uprooted, and the area will be replanted with native species. Compensatory afforestation will be carried out on an equivalent area of forest land (286.47 hectares) that is proposed to be diverted for non-forest purposes, in accordance with Rule 13 of the Van (Sanrakshan Evam Samvardhan) Rules, 2023. The Compensatory Afforestation (CA) scheme for the entire non-forest land (286.47 hectares) is attached.
iii	The state govt. has not informed as to how much area of the proposed NFL village wise for raising compensatory afforestation is having specified density as per the Rule-13 of the van sanrakshan evam samvardhan Rules, 2023. Moreover, the state the shall also ensure that the area NFL proposed for CA is suitable for raising Compensatory Afforestation as per the		The whole of land received for compensatory afforestation is suitable for raising compensatory afforestation. Compensatory afforestation will be carried out on an equivalent area of forest land (286.47 hectares) that is proposed to be diverted for non-forest purposes, in accordance with Rule 13 of the Van (Sanrakshan Evam Samvardhan) Rules, 2023.


	raising Compensatory Afforestation as per the provisions of van sanrakshan Evam samvardhan Rules, 2023 and the crop improvement programme of the forest crop in the NFL proposed for CA shall be submitted.	
iv	Para 2 Rule -13 of the van sanrakhasn Evam samvardhan Rules, 2023 says that provided that in case the non forest land or partion thereof provided by the user agency is not fit for raising compensatory afforestation of a specified density, then additional compensatory afforestation shall be raised on a degraded forest notified or unclassed forest land under the management control of the forest department which is twice in size of such shortfall in the given compensatory afforestation land and the user agency shall also bear the additional cost on such account keeping this in view, the KML file on the degraded forest land which is twice in size of such shortfall in the compensatory afforestation land needs to be submitted if applicable along with maps CA scheme, site suitability certificate etc.	In compliance with Rule 13 of the Van (Sanrakshan Evam Samvardhan) Rules, 2023, compensatory afforestation will be carried out on an equivalent area of forest land (286.47 hectares) proposed for diversion to non-forest purposes. The entire 286.47 hectares of land allocated for compensatory afforestation is suitable for compensatory afforestation. As there is no shortfall in the compensatory afforestation requirement, no additional afforestation will be undertaken on degraded forest land (DFL).
v	The details about the command area, irrigation potential, present cropping pattern, total population of the village to be benefited and the likely impact of bthe project on cropping pattern in future is essential for evaluating the socio economic benefits of the project. The state shall submit a detailed report on these aspects.	The Detailed report provided by the user agency on all these aspects is attached herewith. This office agrees with the report submitted by the user agency.

Note :- As per the site conditions, no additional costs will be charged to the user agency for uprooting *Prosopis juliflora*, as the existing model is sufficient to address this requirement, संलग्न उपरोक्तानुसार:-


(अनिल यादव)
उप वन संरक्षक
बारां

क्रमांक 0 एफ () / एफ.सी.ए. / उ.व.स. / 2024-25 / 9246-48 दिनांक 06-12-2024
प्रतिलिपि:- निम्न को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है:-

1. प्रधान मुख्य वन संरक्षक (वन बल प्रमुख) राजस्थान जयपुर।
2. प्रधान मुख्य वन संरक्षक एवं नोडल अधिकारी (एफ.सी.ए) राजस्थान जयपुर।
3. अधिशाषी अभियन्ता जल संसाधन खंड बारां।


(अनिल यादव)
उप वन संरक्षक
बारां

कार्यालय अधिशाषी अभियन्ता, जल संसाधन खण्ड (तृतीय) बारां

क्रमांक :- 1266

दिनांक :- 20.11.2024

श्रीमान उप वन संरक्षक
बारां

प्रसंग :- P.1 (48) VAN/2019-001141 dated 04.10.2024 के क्रम में।

प्रस्ताव का नाम :- Proposal for diversion of 286.47 ha. of forest land in favour of Executive Engineer, Water Resource Division III, Baran for Construction of Hathiyadeh Medium Irrigation project in Baran district, Rajasthan State

यूजर एजेन्सी का नाम :- EXECUTIVE ENGINEER WR DIV.III BARAN

प्रत्यावर्तित वन क्षेत्र :- 286.50 ha. (Baran)

प्रभावित जिला एवं वन मण्डल : Baran distt. & Baran Territorial

प्रस्ताव संख्या एवं पंजीकरण तिथि :- No.FP/RJ/IRRIG/27263/2017

S. No.	Query	Reply
1	A copy of the approved CAT Plan as per para 9.2 (vii) of Chapter 9 the consolidated guidelines and clarifications issued under the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 which stated that "the CAT plan shall be approved by the Principal CCF & HoFF or any other officer authorized by him for the purpose" need to be submitted	अनुमोदित केट प्लान में प्रस्तावित कार्य वन विभाग के विभागीय मॉडल अनुसार ही प्रस्तावित है, जो की पूर्व में ही इस कार्यालय के पत्रांक 3096-97 दिनांक 27.01.2022 द्वारा आपको प्रस्तुत किया जा चुका है। केट प्लान के संदर्भ में नोडल अधिकारी एफ.सी.ए. राजस्थान जयपुर के पत्रांक 5121-31 दिनांक 08.03.2023 के क्रम में यूजर एजेन्सी द्वारा केट प्लान पर मुख्य वन संरक्षक कोटा/उप वन संरक्षक बारां से टिप्पणी चाही गई थी। जो पूर्व में कार्यालय द्वारा भिजवा दी गई है। उक्त केट प्लान के अनुमोदन के क्रम में केट प्लान को प्रधान सी.सी.एफ.और होफ या इस उद्देश्य के लिये उनके द्वारा अधिकृत कोई अन्य अधिकारी द्वारा कार्यावाही की जायेगी।
2	The State Govt. reported that the 286.47 ha Non-forest land has been proposed for CA out of which 242.50 ha Non-forest land for CA reported दो तिहाई भाग पर जुलिपलोरा होने से वृक्षारोपण कराया जाना सम्भव नहीं है। परन्तु सत्यमर्ण गैर वन भूमि का उपचार कराया जायेगा। and in the balance 43.996 ha Nonforest CA land reported as दो तिहाई भाग पर प्राकृतिक सघन वन होने से वृक्षारोपण कराया जाना सम्भव नहीं है। परन्तु सम्पूर्ण प्राप्त गैर वन भूमि का उपचार कराया जायेगा whereas as per the DSS analysis (copy enclosed) the newly proposed 44 ha NFL for CA appear barren and devoid of vegetation cover as depicted through satellite imagery. This needs clarification.	श्रीमान उप वन संरक्षक बारां से सम्बन्धित है।

3	The State Govt. has not informed as to how much area of the proposed NFL (village wise/ patch wise) for raising compensatory afforestation is having specified density as per the Rule-13 of the Van (Sanrakshan Evam Samvardhan) Rules, 2023. Moreover, the State shall also ensure that the area (NFL) proposed for CA is suitable for raising Compensatory Afforestation as per the provisions of Van (Sanrakshan Evam Samvardhan) Rules, 2023 and the crop improvement programme of the forest crop in the NFL proposed for CA shall be submitted	श्रीमान उप वन संरक्षक बारों से सम्बन्धित है।
4	Para 2, Rule-13 of the Van (Sanrakshan Evam Samvardhan) Rules, 2023 says that "Provided that in case the non-forest land or portion thereof provided by the user agency is not fit for raising compensatory afforestation of a specified density, then additional compensatory afforestation shall be raised on a degraded notified or unclassified forest land under the management control of the Forest Department which is twice in size of such shortfall in the given compensatory afforestation land and the user agency shall also bear the additional cost on such account". Keeping this in view, the KML file of the Degraded forest land which is twice in size of such shortfall in the compensatory afforestation land needs to be submitted(if applicable)along with Maps, CA scheme, Site suitability certificate etc.	श्रीमान उप वन संरक्षक बारों से सम्बन्धित है।
5	The details about the command area, irrigation potential, present cropping pattern, total population of the villages to be benefited and the likely impact of the project on cropping pattern in future is essential for evaluating the socio-economic benefits of the project. The State shall submit a detailed report on these aspects.	The details of project submit about the command area, irrigation potential, present cropping pattern, total population of the villages to be benefited and the likely impact of the project on cropping pattern in future is essential for evaluating the socio-economic benefits of the project by this reply latter.



अधिकाधी अभियन्ता

जल संसाधन खण्ड तृतीय, बारों

SAILENT- FEATURES

CHAPTER -IV

4.0 TECHNICAL DETAILS

4.1 MAIN DAM

S.NO.	PARTICULARS	M.K.S	F.P.S
1	Location (a) Latitude		
		25°17'	
	(b) Longitude	76°43'	
2	Gross catchment area	269.31 Sqkm	105.2 SqMile
	Catchment area of M.P.	66.56 Sqkm	26.0 SqMile
	Catchment of Rajasthan	202.75 Sqkm	79.2 SqMile
	TOTAL	269.31 Sqkm	105.2 SqMile
3	Intercepted catchment area	NIL	NIL
4	Free catchment area	269.31 Sqkm	105.2 SqMile
5	Type of catchment as per classification of N.L. strange.	Good	Good
6	Maximum weighted rain fall (Annual) in the catchment	1284.33 mm	50.56 Inch.
7	Expected Monsoon yield as per regression analysis of khatoli gauge site at 75% dependability	48.83 Mcum	
8	Gross storage capacity	46.972 Mcum	
9	Dead storage at sluice sill level	4.00 Mcum	
10	Live storage capacity	42.972 Cum	
11	Total Length of Bund (including diversion Dam)	9.21 Km.	
12	Length of over flow (ogee) and By wash	450 M.	
13	Length of earth Dam section.	8.63 Km.	
14	Full tank level	259.270 m	
15	Maximum water level	261.14 m	
16	Top Bund level	264.14 m	
17	Dead storage level	253.50 m	
18	Maximum flood discharge	2121.76 Cumecs	
19	Flood lift	1.87 m	
20	Free Board	3.00 m	
21	Top width of Earthan Dam	6.00 m	
22	Type of overflow spillway section	Ogee & By wash	
23	Sluice and sill level	253.50 m	
24	U/S slope of Earthen Dam	3:1	
25	D/S slope of Earthen Dam	2.25:1	
26	Gross command area	10091.00 ha.	
27	Culturable command area	6885.00 ha.	
28	Dependability	75%	

Silent Future

29	Duty of Irrigation	143 Ha/Mcum
30	Expected Annual bed cultivation	82 Ha.
31	Maximum height of dam at deepest portion.	19.91
32	Lift of reservoir	50 years
33	Irrigation area	6126 Ha.
34	Intensity of Irrigation	89%
	(i) Rabi	61%
	(ii) Kharif	28%

HATHIADH IRRIGATION PROJECT

TEHSIL : KISHNGANJ

DISTRICT : BARAN

4.2 CANAL

(A) RIGHT MAIN CANAL

S.NO.	PARTICULARS	M.K.S	F.P.S
1	Length of canal	12.96 km.	8.1 Miles
2	Discharge of Head	1.2444 Cumec	43.94 Cusecs
3	Type of canal section	Mehboob	Mehboob
4	F.S.D.	1.2 m	3.9369 ft.
5	Bed slope	1 in 4,000	1 in 4,000
6	C.B.L. at Head	253.50 m	-
7	Side slope	Mehboob	(1:1)
8	G.C.A.	3223 Hect.	7961 Acres.
9	C.C.A.	2181 Hect.	5387 Acres.
10	Intensity of Irrigation	89%	89%
	(i) Rabi	61%	
	(ii) Kharif	28%	
11	Proposed Irrigation	1941 Hect.	5120 Acres.
12	Duty of Irrigation for design of canal	1430 Hect.	100 Acre/cusec.

HATHIADH IRRIGATION PROJECT

TEHSIL : KISHNGANJ

DISTRICT : BARAN

(B) LEFT MAIN CANAL

S.NO.	PARTICULARS	M.K.S	F.P.S
1	Length of canal	19.32 km.	12.07 Miles
2	Discharge of Head	2.6649 Cumec	94.11 Cusecs
3	Type of canal section	Mehboob	Mehboob
4	F.S.D.	1.50 m	4.92 ft.
5	Bed slope	in 4,000	
6	C.B.L. at Head	253.500 m	831.68 ft.
7	Side slope	Mehboob section	(1:1)

Silent Future

8	G.C.A.	6868 Hect.	16964 Acres.
9	C.C.A.	4704 Hect.	11619 Acres.
10	Intensity of Irrigation	89%	
	(i) Rabi	61%	
	(ii) Kharif	28%	
11	Proposed Irrigation	4187 Hect.	11042 Acres.
12	Duty of Irrigation for design of canal	1430 Hect.	100 Acre/cusec.
		Cumec.	

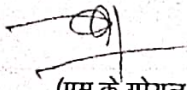
HATHIADH IRRIGATION PROJECT

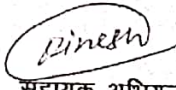
TEHSIL : KISHNGANJ

DISTRICT : BARAN

(C) DISTRIBUTARY OF L.M.C.

S.NO.	PARTICULARS	M.K.S	F.P.S
1	Length of canal	13.05 km.	8.16 Miles
2	Discharge of Head	1.23 Cumec	43.43 Cusecs
3	Type of canal section	Mehboob	-
4	F.S.D.	1.2 m	3.93 ft.
5	Bed slope	in 4,000	
6	C.B.L. at Head	246.640 m	809.7 ft.
7	Side slope	Mehboob section	(1:1)
8	G.C.A.		
9	C.C.A.	2144 Hect.	5295.68 Acres.
10	Intensity of Irrigation	89%	
	(i) Rabi	61%	
	(ii) Kharif	28%	
11	Proposed Irrigation	1908 Hect.	5033 Acres.
12	Duty of Irrigation for design of canal	1430 Hect.	100 Acre/cusec.
		Cumec.	


(एम.के.गोयल)
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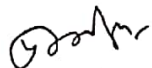

सहायक अभियन्ता
जल संसाधन उपखण्ड प्रथम, बारां

HATHIADEH MEDIUM IRRIGATION PROJECT
TEHSIL-KISHANGANJ **DISTRICT-BARAN**

COST-BENEFIT ANALYSIS

S.NO.	PARAMETERS	Rs. (In Lakh)
1	Estimation of cost of forest diversion (Including Construction Cost) as per Table B	34411.52
2	Estimating Benefits of forest diversion as per Table-C	499063.00
	Ratio of Benefit/Cost	14.50

Note:- Therefore construction of Hathiadeh medium irrigation project is economically viable and socially beneficial.

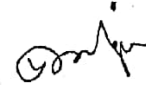

Executive Engineer

Water Resources Division III Baran

HATHIADEH MEDIUM IRRIGATION PROJECT
TEHSIL-KISHANGANJ **DISTRICT-BARAN**

Estimation of cost of forest diversion

S.No.	Parameters	Remarks	Amount (In Lakh)
1	Ecosystem services losses due to proposed forest diversion	N.P.V. amount to be disposed towards forest land diversion of 286.47 Ha. @ 9.5778 Lakh/Ha.	2743.75
2	Loss of animal husbandry productivity, including loss of fodder	10 % of N.P.V. cost i.e. 0.95778 Lakh/Ha. (10% of 9.5778) For 286.47 Ha.	274.37
3	Cost of Human Resettlement	As per R&R plan	3197.68
4	Loss of public facilities and administrative infrastructures (Roads, buildings, schools, dispensaries, electric lines, railway lines etc.) on forest land which would require forest land if these facilities were diverted due to the project	Cost of road for 3 Kms.	500.00
		cost of LT lines in 3 Kms.	500.00
		Cost of 1 no. of Primary School	15.00
		Cost of other public facilities and administrative offices	20.00
5	Possession value of forest land diverted	50% of N.P.V. amount to be disposed towards forest land of 286.47 Ha. @ 9.5778 Lakh/Ha.	823.12
6	Cost of suffering to oustees	150% of R&R Plan (1.5*3197.68)	4796.52
7	Habitat Fragmentation Cost	Cost due to Habitat fragmentation is pegged at 1.98 lakh/Ha. Forest land (286.47 @ 1.98 Lakh/Ha.)	1371.87
8	Compensatory afforestation and soil and moisture conservation cost	Compensatory Afforestation in Diverted Land of 286.50 Ha. @ 1.98 Lakh/Ha.	567.21
9	Construction Cost of Project		19602.00
		Total	34411.52 Lakh



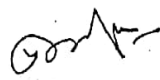
Executive Engineer
Water Resources Division III Baran

HATHIADEH MEDIUM IRRIGATION PROJECT

TEHSIL-KISHANGANJDISTRICT-BARAN

Estimation of benefit of forest diversion

S.No.	Parameters	Remarks	Amount (In Lakh)
1	Increase in Productivity attribute to the specific project	This project will provide irrigation facility in G.C.A. of 10091 Ha. And CCA 6885 Ha. of land Benefits after Introduction of Canal System For 100 Yrs. (As resevoir Life will be 100 yrs.) @ 4990.63 Lakh/annum (This is taken as per B.C.,Ratio approved by agronomist at IMTI Kota)	499063.00
2	Benefits to Economy due to the specific project	1. Population about 90,000 of 45 Villages will be benefitted from this project. 2. Employment will be generated to landless people of 45 No. Villages in Command area of project. 3. Direct empolyment to labour during construction period of Tehsil-Kishanganj, District-Baran.	
3	No. of population benefitted due to specific project	Population about 90,000 of 45 Villages will be benefitted from this project of Tehsil-Kishanganj, District-Baran	
4	Economic benefits due to of Direct and Indirect Employment due to the project	Direct employment will be generated during construction period and Indirect employment in command area of project in 45 nos. of villages in tehsil-Kishanganj District-Baran	
5	Economic benefits due to Compensatory afforestation	The compensatory afforestation will develop new forest which will be helpful to Environment as well as animals	
		Total	499063.00
			Lakh

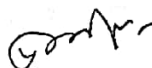

 Executive Engineer
 Water Resources Division III Baran

HATHIADEH MEDIUM IRRIGATION PROJECT
TEHSIL-KISHANGANJ **DISTRICT-BARAN**

COST-BENEFIT ANALYSIS

S.NO.	PARAMETERS	Rs. (In Lakh)
1	Estimation of cost of forest diversion (Including Construction Cost) as per Table B	34411.52
2	Estimating Benefits of forest diversion as per Table-C	499063.00
	Ratio of Benefit/Cost	14.50

Note:- Therefore construction of Hathiadeh medium irrigation project is economically viable and socially beneficial.


Executive Engineer
Water Resources Division III Baran

HATHIADEH MEDIUM IRRIGATION PROJECT

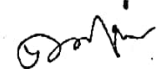
TEHSIL-KISHANGANJ

DISTRICT-BARAN

Estimation of cost of forest diversion

S.No.	Parameters	Remarks	Amount (In Lakh)
1	Ecosystem services losses due to proposed forest diversion	N.P.V. amount to be disposed towards forest land diversion of 286.47 Ha. @ 9.5778 Lakh/Ha.	2743.75
2	Loss of animal husbandry productivity, including loss of fodder	10 % of N.P.V. cost i.e. 0.95778 Lakh/Ha. (10% of 9.5778) For 286.47 Ha.	274.37
3	Cost of Human Resettlement	As per R&R plan	3197.68
4	Loss of public facilities and administrative infrastructures (Roads, buildings, schools, dispensaries, electric lines, railway lines etc.) on forest land which would require forest land if these facilities were diverted due to the project	Cost of road for 3 Kms.	500.00
		cost of LT lines in 3 Kms.	500.00
		Cost of 1 no. of Primary School	15.00
		Cost of other public facilities and administrative offices	20.00
5	Possession value of forest land diverted	50% of N.P.V. amount to be disposed towards forest land of 286.47 Ha. @ 9.5778 Lakh/Ha.	823.12
6	Cost of suffering to oustees	150% of R&R Plan (1.5*3197.68)	4796.52
7	Habitat Fragmentation Cost	Cost due to Habitat fragmentation is pegged at 1.98 lakh/Ha. Forest land (286.47@ 1.98Lakh/Ha.)	1371.87
8	Compensatory afforestation and soil and moisture conservation cost	Compensatory Afforestation in Diverted Land of 286.50 Ha. @ 1.98 Lakh/Ha.	567.21
9	Construction Cost of Project		19602.00
		Total	34411.52

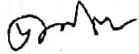
Lakh


 Executive Engineer
 Water Resources Division III Baran

HATHIADEH MEDIUM IRRIGATION PROJECT
TEHSIL-KISHANGANJ **DISTRICT-BARAN**

Estimation of benefit of forest diversion

S.No.	Parameters	Remarks	Amount (In Lakh)
1	Increase in Productivity attribute to the specific project	This project will provide irrigation facility in G.C.A. of 10091 Ha. And CCA 6885 Ha. of land Benefits after Introduction of Canal System For 100 Yrs. (As reservoir Life will be 100 yrs.) @ 4990.63 Lakh/annum (This is taken as per B.C. Ratio approved by agronomist at IMTI Kota)	499063.00
2	Benefits to Economy due to the specific project	1. Population about 90,000 of 45 Villages will be benefitted from this project.	
		2. Employment will be generated to landless people of 45 No. Villages in Command area of project.	
		3. Direct employment to labour during construction period of Tehsil-Kishanganj, District-Baran.	
3	No. of population benefitted due to specific project	Population about 90,000 of 45 Villages will be benefitted from this project of Tehsil-Kishanganj, District-Baran	
4	Economic benefits due to of Direct and Indirect Employment due to the project	Direct employment will be generated during construction period and Indirect employment in command area of project in 45 nos. of villages in tehsil-Kishanganj District-Baran	
5	Economic benefits due to Compensatory afforestation	The compensatory afforestation will develop new forest which will be helpful to Environment as well as animals	
		Total	499063.00
			Lakh


Executive Engineer
Water Resources Division III Baran

ABSTRACT

Calculation for B.C. ratio After Rehabilitation

Name of project :- Hathiyadeh Irrigation Medium Project Tehsil Kishanganj District Baran.

Estimate value of produce & cost of inputs (Irrigated Area)

OCCA (ha)

6885

Value in Lacs

S.No	Crop	Area (m/ha)				AV. Yield (Qt/Ha)	Total Yield (Qt)	Rate Rs/q	Total Value of Produce (Rs in Lacs)	Rate of seeds	Value of seeds	Rate of fertilizers	Value of fertilizers
		Well/Tube Well Irrigated	Canal Irrigated	Un Irr. Area having crops (ha)	Un Irr. Area having no crops								
Kharif													
1	Bajra	0.00		63.00	0.00	63.00	-5.00	315.00	2000.00	6.30	400.00	0.25	
2	Soyabean	0.00		1934.00	0.00	1934.00	12.00	23208.00	3880.00	900.47	2000.00	38.68	
3	Paddy	0.00		2905.00	0.00	2905.00	49.65	144233.25	2000.00	2884.67	3780.00	109.81	
Total		0.00	0.00	4902.00	0.00	4902.00		167756.25		3791.44	6180	148.74	0.00
Rabi													
1	Wheat	0.00	1274.00	0.00	0.00	1274.00	23.51	29951.74	1604.00	480.43	2500.00	31.85	3500.00
2	Gram	0.00	637.00	0.00	0.00	637.00	8.86	5643.82	4100.00	231.40	4000.00	25.48	2500.00
3	Mustard	0.00	3976.00	0.00	0.00	3976.00	11.44	45485.44	3480.00	1582.89	400.00	15.90	3000.00
4	Coriander	0.00	563.00	0.00	0.00	563.00	4.18	2353.34	5900.00	138.85	3000.00	16.89	3500.00
5	Pulse	0.00	13.06	0.00	0.00	13.00	5.00	65.00	1876.00	1.22	1500.00	0.20	2000.00
6	Opium Pappy	0.00	-40.00	0.00	0.00	-40.00	-4.40	-176.00	-200000.00	-352.00	-3200.00	-1.28	-3000.00
Total		0.00	6503.00	0.00	0.00	6503.00		83675.34		2786.78	14600	91.60	17500.00
G-Total			6503.00			4902.00		11405.00		6578.22		240.34	
													200.95

Note :- Cost of fertilizers is not included in Kharif crops as farmers are not using fertilizers due to un certainty of rains.

Assistant Engineer
Water Resources Sub Div. Baran

Executive Engineer
Water Resources Division III Baran

Table no. 3

Proposed cropping pattern

Name of project :- Hathiyadeh Irrigation Medium Project Tehsil Kishanganj District Bagan.

CCA (ha)

6885

S.No	Crop	Well/Tube Well Irrigated		Irrigated by canal		Unirrigated by dry crops		Unirrigated by wet crops		Total	
		%CCA	Area (ha)	%CCA	Area (ha)	%CCA	Area (ha)	%CCA	Area (ha)	%CCA	Area (ha)
Khairi											
1	Bajra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Juar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Soyabean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Paddy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rabi											
1	Wheat	0.00	0.00	18.50	1274.00	0.00	0.00	0.00	0.00	18.50	1274.00
2	Gram	0.00	0.00	9.25	637.00	0.00	0.00	0.00	0.00	9.25	637.00
3	Mustard	0.00	0.00	57.74	3976.00	0.00	0.00	0.00	0.00	57.74	3976.00
4	Coriander	0.00	0.00	8.17	563.00	0.00	0.00	0.00	0.00	8.17	563.00
5	Pulse	0.00	0.00	0.18	13.00	0.00	0.00	0.00	0.00	0.18	13.00
6	Opium Poppy	0.00	0.00	0.58	40.00	0.00	0.00	0.00	0.00	0.58	40.00
Total		0.00	0.00	74.05	6503.00	0.00	0.00	0.00	0.00	74.05	6463.00
G-Total		0.00	0.00	74.05	6503.00	0.00	0.00	0.00	0.00	74.05	6463.00

326

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Assistant Engineer
Water Resources Sub Div. Baran

[Signature]

Executive Engineer
Water Resources Division III Baran

Calculation for B.C. ratio before Rehabilitation

Name of project :- Hathiyadeh Irrigation Medium Project Tehsil Kshanganj District Baran.

Estimate value of produce & cost of inputs (Irrigated & Un Irrigated Area)

CCA (ha)

6885

Value in Lac

S.No	Crop	Well/Tube Well Irrigated	Canal Area (ha)	Unirrigated having crops (ha)	Unirrigated having no crops	Total	AV. Yield (Qt/ha)	Total Yield (Qt)	Rate R/g	Total Value of Produce	Rate of seeds	Value of seeds	Rate of fertilizers	Value of fertilizers		
Kharif																
1	Bajra	0.00	0.00	242.00	0.00	242.00	5.00	1210.00	1500.00	18.15	400.00	0.96	0.00	0.00		
2	Juwar	0.00	0.00	363.00	0.00	363.00	5.00	1815.00	200.00	36.30	400.00	1.45	0.00	0.00		
3	Soyabean	0.00	0.00	2905.00	0.00	2905.00	0.00	34860.00		1352.56	2000.00	58.10	0.00	0.00		
4	Paddy	0.00	0.00	1392.00	0.00	1392.00	0.00	69112.80	0.00	981.40	0.00	52.61	0.00	0.00		
Total		0.00	0.00	4902.00	0.00	4902.00		106997.80		2383.41		113.12	0.00	0.00		
Rabi																
1	Wheat	1225.00		600.00	0.00	1825.00	23.51	42905.75	1604.00	29.27	2500.00	45.63	3500.00	63.88		
2	Gram	200.00		50.00	0.00	250.00	8.86	2215.00	4100.00	10.25	4000.00	10.00	2500.00	6.25		
3	Mustard	612.00		100.00	0.00	712.00	11.44	8145.28	3480.00	2.47	400.00	2.53	3000.00	21.36		
4	Coriander	100.00			0.00	100.00	4.18	418.00	5900.00	0.59	3000.00	3.00	3500.00	3.50		
5	Pulse	10.00			0.00	10.00	5.00	50.00	1876.00	0.18	1300.00	0.13	2000.00	0.20		
Total		2147.00	0.00	750.00	0.00	2897.00		53734.03		42.76		61.60	2000.00	55.19		
Total value of produce										2431.17					174.72	95.19

Note :- Cost of fertilizers is not included in Kharif crops as farmers are not using fertilizers due to un certainty of rains

Assistant Engineer
Water Resources Sub Div, Baran

Executive Engineer
Water Resources Division III Baran

Table no. 1

Calculation for B.C. ratio before Rehabilitation

Name of project :- Hathiyadeh Irrigation Medium Project Telisil Kishanganj District Baran.

Existing cropping pattern

CCA (ha)

6385

S.No	Crop	Well/Tube Well Irrigated		Irrigated by canal		Unirrigated having crops		Unirrigated having no crops		Total	
		%CCA	Area (ha)	%CCA	Area (ha)	%CCA	Area (ha)	%CCA	Area (ha)	%CCA	Area (ha)
Kharif											
1	Bajra	0.00	0.00	0.00	0.00	4.93	100.00	0.00	0.00	4.93	100.00
2	Juar	0.00	0.00	0.00	0.00	7.40	150.00	0.00	0.00	7.40	150.00
3	Soyabehn	0.00	0.00	0.00	0.00	59.25	1200.00	0.00	0.00	59.25	1200.00
4	Paddy	0.00	0.00	0.00	0.00	29.62	600.00	0.00	0.00	29.62	600.00
Total		0.00	0.00	0.00	0.00	101.20	2050.00	0.00	0.00	101.20	2050.00
Rabi											
1	Wheat	17.79	1225.00	0.00	0.00	8.87	600.00	0.00	0.00	26.66	1825.00
2	Gram	2.90	200.00	0.00	0.00	6.66	50.00	0.00	0.00	9.56	250.00
3	Mustard	8.88	612.00	0.00	0.00	1.45	100.00	0.00	0.00	10.33	712.00
4	Coriander	1.45	100.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	100.00
5	Pulse	0.15	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	10.00
Total		31.17	2147.00	0.00	0.00	16.98	1500.00	0.00	0.00	48.15	3647.00
G-Total		31.17	2147.00	0.00	0.00	118.18	3550.00	0.00	0.00	149.35	5697.00

324

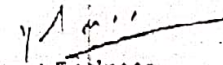
Assistant Engineer
Water Resources Sub Div. Baran

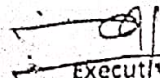
Executive Engineer
Water Resources Division III Baran

Statement No. 1
Calculation for Hathiyadeh Irrigation Medium Project Tehsil Kishanganj District
Baran, B/O Ratio

ICA (ha) Before Rehabilitation 4922.00 After Rehabilitation 6835.00

S.No	Item	Amount (Rs. Lacs)	
		3	4
Gross Receipts			
1	Gross value of farm produce for grain	2431.17	6578.22
2	Dung receipts @3% of the fodder expenditure	109.40	197.35
	Total	2540.57	6775.56
Expenses			
1	Expenditure on seeds	174.72	240.34
2	Expenditure on Manures & Fertilizers seeds	95.19	200.96
3	Depreciation on implements @2.7% of the gross value of farm produce	65.54	177.01
4	Share and cash rent @ 5% / 3% of the gross value of produce	121.56	197.35
5	Expenditure on hired bullock/Machinery and labour @ Rs 4500 Per ha.	221.49	309.83
6	Fodder expenditure @ 15% / 10% of the gross value of produce	364.68	657.82
7	Land revenue @ Rs 15.00 per ha. (As per State Revenue Rates)	0.74	1.03
	Total (B)	1044.02	1784.94
	Net receipt (Rs in lacs) = Total A - Total B	1496.55	4990.63


 Assistant Engineer
 Water Resources Sub Div Baran


 Executive Engineer
 Water Resources Division III
 Baran

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Statement No. 2

Calculation for Hathiyadeh Irrigation Medium Project Tehsil Kishanganj
District Baran, B/C Ratio

		Rs. In Lacs	
		With NPV	Without NPV
BENEFIT COST RATIO			
CCA			
Canal Irrigation		Ha	
Cost of Head works		0.00	
		6885.00	6885.00
		6128.00	6128.00
		23253.00	19602.30
Annual Receipts			
A	Before Rehabilitation	Rs In lacs	
		1496.55	1496.55
B	After Canal Rehabilitation		
C	Net receipt (B-A)	4990.63	4990.63
		3494.08	3494.08
D	Project cost		
	1 Capital cost	Rs In lacs	
	2 Cost of land Dev. @2000/- per ha (20% of canal Irrigation Area (0.20x6128)	23253.00	19602.30
	Total cost	1225.60	24.51
		23277.51	19626.81
E	ANNUAL COST		
	1 Interest @6.50% on the project cost including land) Development details Estimated cost of project	1513.03	1275.74
	2 Depreciation of the project @2% of the total estimated estimated cost	465.06	392.05
	3 O&M Expenses @ Rs 352 per ha (As per practice in the Deptt)	24.23	24.23
	4 Maintenance cost @ 1.0% of head works		
	Total Annual cost	232.77	196.27
F	BENEFIT COST RATIO	2235.09	1888.29
	NET RECEIPTS (C)		
	ANNUAL COST (E)	3494.08	3494.08
	B.C RATIO(WITH NPV)/(WITHOUT NPV)	2235.09	1888.29
		1.56	1.85

Assistant Engineer
Water Resources Sub Div. Baran

Executive Engineer
Water Resources Division III
Baran

Approved

संयुक्त निदेशक (सिंचन) एवं
सिंचाई प्रबंधन एवं पर्यवेक्षण विभाग
बादाबाड़ी राड, कोटा (राज.)

B.C. Ratio Hathiyadeh

3.22

Deputy Conservator of Forest, Baran (Rajasthan)

Project Name- Hathiayadeh Medium Irrigation Project (286.47 ha) -
Proposal no. FP/RJ/IRRG/27263/ 2017)

CHECK LIST SERIAL NUMBER: 17

“CA SCHEME FOR NFL”

Detail scheme (On NFL) for Compensatory Afforestation to be carried out in lieu of **17.66 Ha.** of forest area of Baran District to be diverted for Construction of 286.47 ha of forest land in favour Hathiayadeh Medium Irrigation Project District- Baran(Raj)

1.Details of non-forest land:-

District Baran Village Kishanganj Tehsil Kishanganj Name of Forest Division

DCF, Baran Range Kishanganj.

Block Aklera sagr /Compartment /SurveyNo /khasra no . 257

Area to be afforested **17.66 Ha.** .

2. Description of Area

I) Whether the site selected for Compensatory Afforestation is a

Land bank or not: No

II) If the CA site is other than the land bank, reasons be given: NFL is identified for Compensatory Afforestation .

III) In case of non forest area identified for CA, then what is the Distance of CA site from the

Adjoining forest boundary: **N.A**

IV) Soil type:claye Loam with boulders

V) Topography:

(a) Hilly/Undulating/Plain: Plain

(b) Slope: Steep/Medium/Gentle: Gentle Slope

VI) Whether the area is bearing any root stock of vegetation: Yes

3. Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is enclosed .

4. **Schedule of Plantation Program:-**

Detail of year wise break up of requirements of funds is as under:-:

Year	Rate
0 Years (Advance Action)	4981639
1st Year (Planting Year)	2639181
2nd Year Maintenance (Year-2)	1212942
2nd Year Maintenance (Year-3)	654003
Subsequent Maintenance (Year-4)	443125
Subsequent Maintenance (Year-5)	460061
Subsequent Maintenance (Year-6)	476997
Subsequent Maintenance (Year-7)	476997
Subsequent Maintenance (Year-8)	476997
Subsequent Maintenance (Year-9)	476997
Subsequent Maintenance (Year-10)	476997
Subsequent Maintenance (Year-11)	476997
Subsequent Maintenance (Year-12)	476997
Total Amount for NFL @-777500/-ha.	Round off Amount as Per CA Modal (NFL) Say 13730650/-

5. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details: CA Scheme is prepared for NFL.
- Spacing: 3X4Meter
- Species: Acacia catechu, Acacia leucophloea, Azadirachta indica, Butea monosperma Dalbergia sissoo, Tamarindus indica etc.
- Plantation Method: Manual with the involvement of VFPMC
- Soil and Moisture Conservation Works: - Yes (As per Model)
- Protection (Fencing, Watch man, People's Participation etc.): - Fencing, Watch man and by VFPMC
- Proposed Monitoring Mechanism: - Proper monitoring will be done through regular checking of work by various level officers.
- Any other information: - Nil

(Signature)

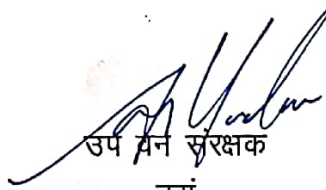
Name :- Anilyadav
Designation :- DCF Baran

CA SCHEME- DFL (LABOUR RATE: 259/- Rupees)

Prop[osal for Diversion of 286.47 ha of forest land in favour of Executive Engineer, Water Resource Division III, Baran Construction of Hathiyadeh Medium Irrigation Project in Baran District, Rajasthan State-reg. (Proposal no :- FP/RJ/IRRIG/27263/2017)

NFL 17.66 ha

Sr. No.	Details of Work	Rate Per Hectare	Land (NFL) Area (In Ha)	Amount (In Rupees)
1	0 Years (Advance Action)	282086	17.66	4981639
2	1st Year (Planting Year)	149444	17.66	2639181
3	2nd Year Maintenance (Year-2)	68683	17.66	1212942
4	2nd Year Maintenance (Year-3)	37033	17.66	654003
5	Subsequent Maintenance (Year-4)	25092	17.66	443125
6	Subsequent Maintenance (Year-5)	26051	17.66	460061
7	Subsequent Maintenance (Year-6)	27010	17.66	476997
8	Subsequent Maintenance (Year-7)	27010	17.66	476997
9	Subsequent Maintenance (Year-8)	27010	17.66	476997
10	Subsequent Maintenance (Year-9)	27010	17.66	476997
11	Subsequent Maintenance (Year-10)	27010	17.66	476997
12	Subsequent Maintenance (Year-11)	27010	17.66	476997
13	Subsequent Maintenance (Year-12)	27010	17.66	476997
	Amount for CA (As per Approved Model) 777500/- per Ha		Round off Amount as per CA Model (NFL)/-	13729926
				Round of Amount Say 13730650


 उप वन सुरक्षक
 बरां

Deputy Conservator of Forest, Baran (Rajasthan)

Project: Name- Hathiyadeh Medium Irrigation Project (286.47 ha)
Proposal no. FP/RJ/IRRG/ /27263/ 2017)

CHECK LIST SERIAL NUMBER: 17

“CA SCHEME FOR NFL”

Detail scheme (On NFL) for Compensatory Afforestation to be carried out in lieu of 96.50 Ha of forest area of Baran District to be diverted for Construction of 286.47 ha of forest land in favour Hathiyadeh Medium Irrigation Project District- Baran(Raj)

1.Details of non-forest land:-

District Baran Village PATUNDA Tehasil ANTA Name of Forest Division
DCF, Baran Range ANTA .

Block Aklera sagr /Compartment /SurveyNo /khasra no.

2453/1025,2455/1026,2457/2459/1113,2461/1114,1115,1116,1200,1201,1202,2376/1203

Area to be afforested 96.50 Ha.

2. Description of Area

I) Whether the site selected for Compensatory Afforestation is a

Land bank or not: No

II) If the CA site is other than the land bank, reasons be given: NFL is identified for Compensatory Afforestation .

III) In case of non forest area identified for CA, then what is the Distance of CA site from the Adjoining forest boundary: N.A

IV) Soil type:claye Loam with boulders

V) Topography:

(a) Hilly/Undulating/Plain: Plain

(b) Slope: Steep/Medium/Gentle: Gentle Slope

VI) Whether the area is bearing any root stock of vegetation: Yes

Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is enclosed .

4. **Schedule of Plantation Programe:-**

Detail of year wise break up of requirements of funds is as under:-:

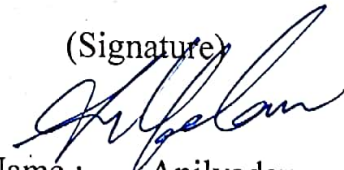
Year	Rate
0 Years (Advance Action)	11202203
1st Year (Planting Year)	12532938
2nd Year Maintenance (Year-2)	4657380
2nd Year Maintenance (Year-3)	1521130
Subsequent Maintenance (Year-4)	286702
Subsequent Maintenance (Year-5)	297124
Subsequent Maintenance (Year-6)	307546
Subsequent Maintenance (Year-7)	307546
Subsequent Maintenance (Year-8)	307546
Subsequent Maintenance (Year-9)	307546
Subsequent Maintenance (Year-10)	307546
Subsequent Maintenance (Year-11)	307546
Subsequent Maintenance (Year-12)	307546
Total Amount for NFL @-339000/- ha.	Round off Amount as Per CA Modal (NFL) /- 32713500 Say

5. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details: CA Scheme is prepared for NFL.
- Spacing: 3X4Meter
- Species: Acacia catechu, Acacia leucophloea, Azadirachta indica, Butea monosperma, Dalbergia sissoo, Tamarindus indica etc.
- Plantation Method: Manual with the involvement of VFPMC
- Soil and Moisture Conservation Works: - Yes (As per Model)
- Protection (Fencing, Watch man, People's Participation etc.): - Fencing, Watch man and by VFPMC
- Proposed Monitoring Mechanism: - Proper monitoring will be done through regular checking of work by various level officers.
- Any other information: - Nil

(Signature)



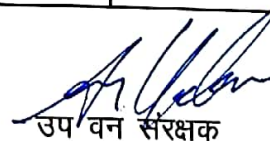
Name :- Anilyadav
Designation :- DCF Baran

CA SCHEME- DFL (LABOUR RATE: 259/- Rupees)

Proposal for Diversion of 286.47 ha of forest land in favour of Executive Engineer, Water Resource Division III, Baran Construction of Hathiyadeh Medium Irrigation Project in Baran District, Rajasthan State-reg. (Proposal no :- FP/RJ/IRRIG/27263/2017)

NFL 96.5 ha

Sr. No.	Details of Work	Rate Per Hectare	Land (NFL) Area (In Ha)	Amount (In Rupees)
1	0 Years (Advance Action)	116085	96.50	11202203
2	1st Year (Planting Year)	129875	96.50	12532938
3	2nd Year Maintenance (Year-2)	48263	96.50	4657380
4	2nd Year Maintenance (Year-3)	15763	96.50	1521130
5	Subsequent Maintenance (Year-4)	2971	96.50	286702
6	Subsequent Maintenance (Year-5)	3079	96.50	297124
7	Subsequent Maintenance (Year-6)	3187	96.50	307546
8	Subsequent Maintenance (Year-7)	3187	96.50	307546
9	Subsequent Maintenance (Year-8)	3187	96.50	307546
10	Subsequent Maintenance (Year-9)	3187	96.50	307546
11	Subsequent Maintenance (Year-10)	3187	96.50	307546
12	Subsequent Maintenance (Year-11)	3187	96.50	307546
13	Subsequent Maintenance (Year-12)	3187	96.50	307546
	Amount forNFL CA (As per Approved Model- 50 ha) 339000/-		Round off Amount as per CA Model (NFL)/-	32650293
				SAY Amount 32713500



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Deputy Conservator of Forest, Baran (Rajasthan)

ProjectName : Hathiayadeh Medium Irrigation Project (286.47 ha)

Proposal no. FP/RJ/IRRG//27263/ 2017)

CHECK LIST SERIAL NUMBER: 17

“CA SCHEME FOR NFL”

Detail scheme (On NFL) for Compensatory Afforestation to be carried out in lieu of 86.40 Ha. of forest area of Baran District to be diverted for Construction of 286.47 ha of forest land in favor Hathiayadeh Medium Irrigation Project District- Baran(Raj)

1. Details of non-forest land:-

District Baran Village TIKHOD & PATUNDA Tehasil ANTA Name of Forest Division DCF, Baran Range ANTA Block Aklera sagr /Compartment /SurveyNo /khasra no. 56,57,58,59,60,61,63,547/64,546/80,81,82 Area to be afforested 86.40 Ha.

2. Description of Area

I) Whether the site selected for Compensatory Afforestation is a

Land bank or not: No

II) If the CA site is other than the land bank, reasons be given: NFL is identified for Compensatory Afforestation .

III) In case of non forest area identified for CA, then what is the Distance of CA site from the Adjoining forest boundary: N.A

IV) Soil type:claye Loam with boulders

V) Topography:

(a) Hilly/Undulating/Plain: Plain

(b) Slope: Steep/Medium/Gentle: Gentle Slope

VI) Whether the area is bearing any root stock of vegetation: Yes

3. Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is enclosed .

4. **Schedule of Plantation Programme:-**

Detail of year wise break up of requirements of funds is as under:-

Year	Rate
0 Years (Advance Action)	10029744
1st Year (Planting Year)	11221200
2nd Year Maintenance (Year-2)	4169923
2nd Year Maintenance (Year-3)	1361923
Subsequent Maintenance (Year-4)	256694
Subsequent Maintenance (Year-5)	266026
Subsequent Maintenance (Year-6)	275357
Subsequent Maintenance (Year-7)	275357
Subsequent Maintenance (Year-8)	275357
Subsequent Maintenance (Year-9)	275357
Subsequent Maintenance (Year-10)	275357
Subsequent Maintenance (Year-11)	275357
Subsequent Maintenance (Year-12)	275357
Total Amount for NFL @-339000/- ha.	Round off Amount as Per CA Modal (NFL) 29289600/- Say

5. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

a) General Details: CA Scheme is prepared for NFL.

b) Spacing: 3X4Meter

c) Species: Acacia catechu, Acacia leucophloea, Azadirachta indica, Butea monosperma, Dalbergia sissoo, Tamarindus indica etc.

d) Plantation Method: Manual with the involvement of VFPMC

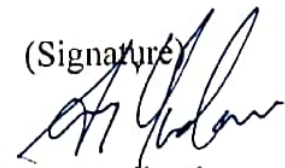
e) Soil and Moisture Conservation Works: - Yes (As per Model)

f) Protection (Fencing, Watch man, People's Participation etc.): - Fencing, Watch man and by VFPMC

g) Proposed Monitoring Mechanism: - Proper monitoring will be done through regular checking of work by various level officers.

h) Any other information: - Nil

(Signature)



Name :- Anilyadav

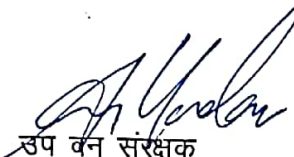
Designation :- DCF Baran

CA SCHEME- DFL (LABOUR RATE: 259/- Rupees)

Proposal for Diversion of 286.47 ha of forest land in favour of Executive Engineer, Water Resource Division III, Baran Construction of Hathiyadeh Medium Irrigation Project in Baran District, Rajasthan State-reg. (Proposal no :- FP/RJ/IRRIG/27263/2017)

NFL 86.40 ha

Sr. No.	Details of Work	Rate Per Hectare	Land (NFL) Area (In Ha)	Amount (In Rupees)
1	0 Years (Advance Action)	116085	86.40	10029744
2	1st Year (Planting Year)	129875	86.40	11221200
3	2nd Year Maintenance (Year-2)	48263	86.40	4169923
4	2nd Year Maintenance (Year-3)	15763	86.40	1361923
5	Subsequent Maintenance (Year-4)	2971	86.40	256694
6	Subsequent Maintenance (Year-5)	3079	86.40	266026
7	Subsequent Maintenance (Year-6)	3187	86.40	275357
8	Subsequent Maintenance (Year-7)	3187	86.40	275357
9	Subsequent Maintenance (Year-8)	3187	86.40	275357
10	Subsequent Maintenance (Year-9)	3187	86.40	275357
11	Subsequent Maintenance (Year-10)	3187	86.40	275357
12	Subsequent Maintenance (Year-11)	3187	86.40	275357
13	Subsequent Maintenance (Year-12)	3187	86.40	275357
	Amount forNFL CA (As per Approved Model 50 ha) 339000/- per Ha		Round off Amount as per CA Model (NFL)/-	29233008
				SAY Amount 29289600


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Deputy Conservator of Forest, Baran (Rajasthan)

Full Title of the Project: Hathiyadeh Medium Irrigation Project (286.47 ha)
(Proposal no. FP/RJ/IRRG/27263/ 2017)

CHECK LIST SERIAL NUMBER: 17

“CA SCHEME FOR NFL”

Detail scheme (On NFL) for Compensatory Afforestation to be carried out in lieu of **26.340 Ha.** of forest area of Baran District to be diverted for Construction of 286.47 ha of forest land in favor Hathiyadeh Medium Irrigation Project District- Baran (Raj)

1. Details of non-forest land:-

District Baran Village shahabad Tehsil shahabad Name of Forest Division **DCF,**
Baran Range shahabad.

Forest Block Nachana khera /Compartment /SurveyNo /khasra no
201,196,197,198,209,210,211 Area to be afforested **26.340 Ha.**

2. Description of Area

I) Whether the site selected for Compensatory Afforestation is a

Land bank or not: No

II) If the CA site is other than the land bank, reasons be given: **NFL is identified for Compensatory Afforestation .**

III) In case of non forest area identified for CA, then what is the Distance of CA site from the

Adjoining forest boundary: **N.A**

IV) Soil type:clay Loam with boulders

V) Topography:

(a) Hilly/Undulating/Plain: **Plain**

(b) Slope: Steep/Medium/Gentle: **Gentle Slope**

VI) Whether the area is bearing any root stock of vegetation: **Yes**

3. Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is enclosed .

Schedule of Plantation Programme:-

Detail of year wise break up of requirements of funds is as under:-

Year	Rate
0 Years (Advance Action)	4127978
1st Year (Planting Year)	3478197
2nd Year Maintenance (Year-2)	1331013
2nd Year Maintenance (Year-3)	477439
Subsequent Maintenance (Year-4)	143000
Subsequent Maintenance (Year-5)	148321
Subsequent Maintenance (Year-6)	153668
Subsequent Maintenance (Year-7)	153668
Subsequent Maintenance (Year-8)	153668
Subsequent Maintenance (Year-9)	153668
Subsequent Maintenance (Year-10)	153668
Subsequent Maintenance (Year-11)	153668
Subsequent Maintenance (Year-12)	153668
Total Amount for NFL @-410000/- ha.	Round off Amount as Per CA Modal (NFL) /- SAY 10799400

5. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

a) General Details: **CA Scheme is prepared for NFL.**

b) Spacing: **3X4Meter**

c) Species: **Acacia catechu, Acacia leucophloea, Azadirachta indica, Butea monosperma, Dalbergia sissoo, Tamarindus indica etc.**

d) Plantation Method: **Manual with the involvement of VFPMC**

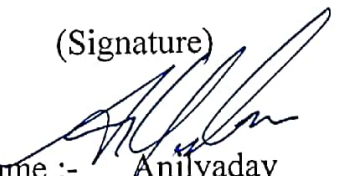
e) Soil and Moisture Conservation Works: - **Yes (As per Model)**

f) Protection (Fencing, Watch man, People's Participation etc.):- **Fencing, Watch man and by VFPMC**

g) Proposed Monitoring Mechanism: - **Proper monitoring will be done through regular checking of work by various level officers.**

h) Any other information: - **Nil**

(Signature)


Name :- **Anilyadav**
Designation :- **DCF Baran**

CA SCHEME- DFL (LABOUR RATE: 259/- Rupees)

Proposal for Diversion of 286.47 ha of forest land in favour of Executive Engineer, Water Resource Division III, Baran Construction of Hathiyadeh Medium Irrigation Project in Baran District, Rajasthan State-reg. (Proposal no :- FP/RJ/IRRIG/27263/2017)

NFL 26.340 ha

Sr. No.	Details of Work	Rate Per Hectare	Land (NFL) Area (In Ha)	Amount (In Rupees)
1	0 Years (Advance Action)	156719	26.340	4127978
2	1st Year (Planting Year)	132050	26.34	3478197
3	2nd Year Maintenance (Year-2)	50532	26.340	1331013
4	2nd Year Maintenance (Year-3)	18126	26.34	477439
5	Subsequent Maintenance (Year-4)	5429	26.340	143000
6	Subsequent Maintenance (Year-5)	5631	26.34	148321
7	Subsequent Maintenance (Year-6)	5834	26.340	153668
8	Subsequent Maintenance (Year-7)	5834	26.34	153668
9	Subsequent Maintenance (Year-8)	5834	26.340	153668
10	Subsequent Maintenance (Year-9)	5834	26.34	153668
11	Subsequent Maintenance (Year-10)	5834	26.340	153668
12	Subsequent Maintenance (Year-11)	5834	26.340	153668
13	Subsequent Maintenance (Year-12)	5834	26.340	153668
	Amount for CA (As per Approved Model) 410000/- per Ha		Round off Amount as per CA Model (NFL)-	10781621
				Round of Amount Say 10799400


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Deputy Conservator of Forest, Baran (Rajasthan)

ProjectName : Hathiayadeh Medium Irrigation Project (286.47 ha)

Proposal no. FP/RJ/IRRG//27263/ 2017)

CHECK LIST SERIAL NUMBER: 17

"CA SCHEME FOR NFL"

Detail scheme (On NFL) for Compensatory Afforestation to be carried out in lieu of 59.60 Ha. of forest area of Baran District to be diverted for Construction of 286.47 ha of forest land in favour Hathiayadeh Medium Irrigation Project District- Baran(Raj)

1.Details of non-forest land:-

District Baran Village PATUNDA Tehasil ANTA Name of Forest Division
DCF, Baran Range ANTA . Block Aklera sagr /Compartment /SurveyNo
/khasra no. 2463/2,2465/8,9,2451/10,204,317 Area to be afforested 59.60 Ha.

2. Description of Area

I) Whether the site selected for Compensatory Afforestation is a

Land bank or not: No

II) If the CA site is other than the land bank, reasons be given: NFL is identified for Compensatory Afforestation .

III) In case of non forest area identified for CA, then what is the Distance of CA site from the

Adjoining forest boundary: N.A

IV) Soil type:clay Loam with boulders

V) Topography:

(a) Hilly/Undulating/Plain: Plain

(b) Slope: Steep/Medium/Gentle: Gentle Slope

VI) Whether the area is bearing any root stock of vegetation: Yes

3. Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is enclosed .

4. **Schedule of Plantation Programe:-**

Detail of year wise break up of requirements of funds is as under:-:

Year	Rate
0 Years (Advance Action)	6918666
1st Year (Planting Year)	7740550
2nd Year Maintenance (Year-2)	2876475
2nd Year Maintenance (Year-3)	939475
Subsequent Maintenance (Year-4)	177072
Subsequent Maintenance (Year-5)	183508
Subsequent Maintenance (Year-6)	189945
Subsequent Maintenance (Year-7)	189945
Subsequent Maintenance (Year-8)	189945
Subsequent Maintenance (Year-9)	189945
Subsequent Maintenance (Year-10)	189945
Subsequent Maintenance (Year-11)	189945
Subsequent Maintenance (Year-12)	189945
Total Amount for NFL @-339000 ha.	Round off Amount as Per CA Modal (NFL) 20204400 Say

5. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

a) General Details: CA Scheme is prepared for NFL.

b) Spacing: 3X4Meter

c) Species: Acacia catechu, Acacia leucophloea, Azadirachta indica, Butea monosperma Dalbergia sissoo, Tamarindus indica etc.

d) Plantation Method: Manual with the involvement of VFPMC

e) Soil and Moisture Conservation Works: - Yes (As per Model)

f) Protection (Fencing, Watch man, People's Participation etc.): - Fencing, Watch man and by VFPMC.

g) Proposed Monitoring Mechanism: - Proper monitoring will be done through regular checking of work by various level officers.

h) Any other information: - Nil

(Signature)

Name :- Anilyadav

Designation :- DCF Baran

CA SCHEME- DFL (LABOUR RATE: 259/- Rupees)

Prop[osal for Diversion of 286.47 ha of forest land in favour of Executive Engineer, Water Resource Division III, Baran Construction of Hathiyadeh Medium Irrigation Project in Baran District, Rajasthan State-reg. (Proposal no :- FP/RJ/IRRIG/27263/2017)

NFL 59.6 ha

Sr. No.	Details of Work	Rate Per Hectare	Land (NFL) Area (In Ha)	Amount (In Rupees)
1	0 Years (Advance Action)	116085	59.60	6918666
2	1st Year (Planting Year)	129875	59.60	7740550
3	2nd Year Maintenance (Year-2)	48263	59.60	2876475
4	2nd Year Maintenance (Year-3)	15763	59.60	939475
5	Subsequent Maintenance (Year-4)	2971	59.60	177072
6	Subsequent Maintenance (Year-5)	3079	59.60	183508
7	Subsequent Maintenance (Year-6)	3187	59.60	189945
8	Subsequent Maintenance (Year-7)	3187	59.60	189945
9	Subsequent Maintenance (Year-8)	3187	59.60	189945
10	Subsequent Maintenance (Year-9)	3187	59.60	189945
11	Subsequent Maintenance (Year-10)	3187	59.60	189945
12	Subsequent Maintenance (Year-11)	3187	59.60	189945
13	Subsequent Maintenance (Year-12)	3187	59.60	189945
	Amount for NFL CA (As per Approved Model 50 ha) 339000/- per Ha		Round off Amount as per CA Model (NFL)/-	20165362
				SAY Amount 20204400



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Deputy Conservator of Forest, Baran (Rajasthan)

Full Title of the Project - Proposal for Diversion of 286.47 ha of forest land in favour of Executive Engineer, Water Resource Division III, Baran Construction of Hathiyadeh Medium Irrigation Project in Baran District, Rajasthan State-reg. (Proposal no :- FP/RJ/IRRIG/27263/2017)

LAND SUITABILITY CERTIFICATE CHECK LIST SERIAL NUMBER: 20

This is to Certify that 26.336 ha NFL forest land forest Block Nachanakhera in bearing khasra no. 196,197,198,200,201,209,210,211 village Nachanakhera tashil shahabad district baran NFL is identified for compensatory afforestation (NFL) is suitable for plantation and from management point of view and is free and all sorts of encumbrances and encroachments.

Place: Baran

(Signature)

Date :-

Name :- Anil Yadav
Designation :- DCF Baran
Official Seal.....

Signature valid

RajKaj Ref
3554001

E/ Hathiyadeh Project 286.47 ha FCA 2023-24

Digitally signed by Anil Kumar Yadav
Designation: Deputy Conservator Of
Forest
Date: 2024.08.06 15:08:28 IST
Reason: Approved

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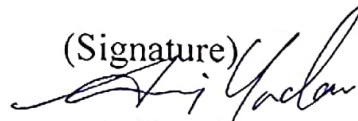
Deputy Conservator of Forest, Baran (Rajasthan)

**Full Title of the Project: Hathiayadeh Medium Irrigation Project
(286.47 ha)
(Proposal no. FP/RJ/IRRG/27263/ 2017)**

NFL 86.40 ha.
LAND SUITABILITY CERTIFICATE

This is to certify that the NFL forest land lying in Forest Block Tikhod and Patunda bearing khasra no. 56,57,58, 59,60,61, 63,547/64,546/80,81,82, 1337,1360,1397,2377and 1398 in village **Tikhod** Tashil **Anta** district Baran having total area 86.40 has been identified for Compensatory Afforestation. The land is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachments.

(Signature)



Name :- Anil yadav

Designation :- DCF Baran

Deputy Conservator of Forest, Baran (Rajasthan)

**Full Title of the Project: Hathiayadeh Medium Irrigation Project
(286.47 ha)**

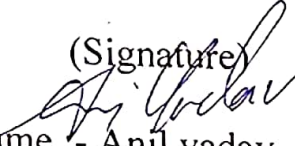
(Proposal no. FP/RJ/IRRG/27263/ 2017)

NFL 59.6 ha.

LAND SUITABILITY CERTIFICATE

This is to certify that the NFL forest land lying in Forest Block Tikhod and Patunda bearing khasra no. 2463/2, 2465/8, 9, 2451/10,204,317 in village **Tikhod and Patonda** Tashil **Anta** district Baran **having total area 59.6 ha** has been identified for Compensatory Afforestation. The land is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachments.

(Signature)


Name :- Anil yadav

Designation :- DCF Baran

Deputy Conservator of Forest, Baran (Rajasthan)

Full Title of the Project - Proposal for Diversion of 286.47 ha of forest land in favour of Executive Engineer, Water Resource Division III, Baran Construction of Hathiyadeh Medium Irrigation Project in Baran District, Rajasthan State-reg. (Proposal no :- FP/RJ/IRRIG/27263/2017)

LAND SUITABILITY CERTIFICATE

CHECK LIST SERIAL NUMBER: 20

This is to Certify that 17.66 ha NFL forest land forest Block Eklerasagar in bearing khasra no. 257 village Eklerasagar tashil kishanganj district baran NFL is identified for compensatory afforestation (NFL) is suitable for plantation and from management point of view and is free and all sorts of encumbrances and encroachments.

Place: Baran

(Signature)

Date :-

Name :- Anil Yadav
Designation :- DCF Baran
Official Seal.....

Signature valid

E/ Hathiyadeh Project 286.47 ha FCA 2022-23 Digitally signed by Anil Yadav
Designation : Deputy Conservator Of Forest
Date: 2024.08.06 16:08:28 IST
Reason: Approved

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Deputy Conservator of Forest, Baran (Rajasthan)

Project- Name Prop[osal for Diversion of 286.47 ha of forest land in favour of Executive Engineer, Water Resource Division III, Baran Construction of Hathiyadeh Medium Irrigation Project in Baran District, Rajasthan .

(Proposal no :- FP/RJ/IRRIG/27263/2017)

LAND SUITABILITY CERTIFICATE

This is to Certify that 96.50 ha NFL in bearing khasra no. 2453/1025,2455/1026,2457/2459/1113,2461/1114,1115,1116,1200,1201,1202,2376/1203 ,village PATUNDA Tehasil ANTA district baran NFL is identified for compensatory afforestation (NFL) is suitable for plantation and from management point of view and is free and all sorts of encumbrances and encroachments.

(Signature)

Name :- Anil Yadav

Designation :- DCF Baran