

Government of Maharashtra

By Speed Post

No. FLD-2022/CR-01/F-10  
Revenue and Forest Department,  
Mantralaya, Mumbai- 400 032.  
Date:- 10.11.2023

To,  
The Secretary,  
Ministry of Environment, Forests & Climate Change,  
Government of India,  
New Delhi.

**Sub.:- Forest Land-Nandurbar**

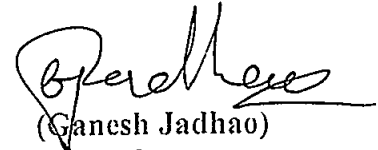
Diversion of 73.94 ha. forest land for Construction of Kareghat Minor Irrigation Tank is Irrigation at Kareghat, Tal. Nawapur, Dist. Nandurbar in the State of Maharashtra. (FP/MH/IRRIG/61238/2020)

- Ref: 1. Your Office Letter No. 8-28/2022/FC, Dt.09.08.2023.  
2. APCCF & Nodal Officer Letter No. Desk-17/ Nodal / Dhule / RS-I/ ID-12942 (25) /2382, Dt.08.11.2023.

Madam,

Ministry of Environment, Forest and Climate Change (Forest Conservation Division). Government of India has sought information with respect to proposal for diversion of 73.94 ha. forest land for Construction of Kareghat Minor Irrigation Tank is Irrigation at Kareghat, Tal. Nawapur, Dist. Nandurbar in the State of Maharashtra, vide letter under reference No.1.

2. Additional Principal Chief Conservator of Forests & Nodal Officer, Maharashtra State, Nagpur has submitted compliance report to the Government of Maharashtra vide letter under reference no.2. Compliance Report submitted by the APCCF & Nodal Officer is self-explanatory and attached herewith for further necessary action in the matter.



(Ganesh Jadhao)  
Under Secretary to  
the Government of Maharashtra  
Under Secretary  
Revenue and Forests Department  
Hutatma Rajguru Chowk  
Madam Cama Road, Mantralaya  
Mumbai 400 032

Encl : As above.

Copy to:

- 1) Principal Chief Conservator of Forests (IHoFF), Maharashtra State, Nagpur.
- 2) Additional Principal Chief Conservator of Forests and Nodal Officer, Nagpur.
- 3) Conservator of Forests (T), Dhule.
- 4) Deputy Conservator of Forests, Nandurbar.



**Office of the Principal Chief Conservator of Forests (Head of Forests Force),  
Maharashtra State.**

**Additional Principal Chief Conservator of Forests & Nodal Officer,**

1st Floor, B Wing, Van Bhavan, Ramgiri Road, Civil Lines, Nagpur- 440 001  
Tel.No.: 0712- 2556916 . E-mail: apccfnodal@mahaforest.gov.in

No. Desk-17/Nodal/Dhule/RS-I/ID-12942(25)/2382 /2023-24

Nagpur - 440 001, Date: 08 /11/2023

✓ To,  
Principal Secretary (Forests),  
Revenue and Forest Department,  
Mantralaya, Mumbai-32.

**Sub:** Diversion of 73.94 ha. forest land for construction of Kareghat Minor Irrigation Tank at Kareghat, Tal. Nawapur, District Nandurbar in the State of Maharashtra. (FP/MH/IRRIG/61238/2020)

**Ref:** 1) Government of India, Ministry of Environment Forests & Climate Change, Indira Paryavaran Bhavan, New Delhi letter No. 8-28/2022/FC, Dt. 09/08/2023.  
2) Conservator of forests (T), Dhule letter No. D-5/Nodal/C.R./159, Dt. 06/11/2023

Sir,

The Government of India, Ministry of Environment, Forest and Climate Change, New Delhi Vide letter under reference No. 1 has sought compliance on 03 points. Accordingly, the Conservator of Forests (T.), Dhule vide letter under reference No. 2 has submitted the compliance of shortcoming in this regard to this office. The compliance report as desired by Government of India vide letter dated 09/08/2023 is submitted as under:

Sr. No.	Points	Compliance
i.	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.	As per the compliance report submitted by Deputy Conservator of Forests, Nandurbar & forwarded by Conservator of Forests (T.), Dhule. The detailed project report containing, the details of command area, irrigation potential, present cropping pattern, total population of villages to be benefited and likely impact of the project on cropping pattern Details an as follows: 1) Gross Command Area(GCA): 1114.30 Ha. 2) Irrigable Command Area(ICA): 679 Ha. 3) Irrigation Potential (IP): 910.00 Ha. The Present Cropping Intensity of this project is 125% (1) Two Seasonal Crop-20% (ii) Kharif Crop-50%, (ii) Rabi Crop-55%). The Project will Benefit 4 Tribal Villages of Navapur Taluka of District Nandurbar with

Dhule Circle/Id-12942/73.94 ha.


SA. M. -  
10/11/23

		total Population 5220 will be benefited. Moreover, the project will also serve the Drinking water purpose. The copy of same is enclosed herewith as <b>Annexure-I</b> .
ii.	The project which is for irrigation purposes will increase the yield potential of the area and have an impact on Cost Benefit ratio as well. The state shall take the same into account and submit a revised cost benefit analysis on the prescribed format.	As per the compliance report submitted by Deputy Conservator of Forests, Nandurbar & forwarded by Conservator of Forests (T.), Dhule. After the execution of the project, the existing cropping pattern will change. Some new cash crops will be introduced in certain areas, while some crops will increase their yield potential. Therefore, while calculating the cost-benefit analysis, user agency considered both, the increased benefit of the new cropping pattern and compared it with the benefit of the existing cropping pattern. Hence, revision in the cost- benefit analysis is not required. The copy of the existing cropping pattern and the cropping pattern after the completion of the project & B.C. Ratio analysis, are attached herewith as <b>Annexure-II</b> .
iii.	Since the proposed area is bordering the State of Gujarat, and the project may have impact on the areas downstream, therefore the State of Maharashtra shall seek the comments/NOC from the state of Gujarat in this regard.	As per the compliance report submitted by Deputy Conservator of Forests, Nandurbar & forwarded by Conservator of Forests (T.), Dhule. The water is a State Subject (entry 17 of List II (State List) which says water supplies, irrigation and canals, drainage and embankments, water storage and water power subjects to the provisions of entry 56 of List I (Union List) as per the Article 246, 7th Schedule of the Indian Constitution, Moreover, the Kareghat Minor Irrigation Project is proposed to be constructed across Supadi Nalla near village Kareghat Tal-Navapur, Dist. Nandurbar. Though, the proposed site is bordering the State of Gujrat but the comments/NOC from the State of Gujarat is not required owing to the additional following reasons; (i) Entire submergence area of the project i.e. 73.94 ha. falls within the administrative boundaries of Maharashtra State. (ii) The gross command area of the project covers approx. 1200 ha. area and located D/S (Down-stream Side), all of which falls within Maharashtra State. (ii) The catchment of Supadi Nalla is not intercepted by any other major or medium water resource project on upstream.

		<p>(iv) The water availability for the project has been considered from the local Nalla (Supadi) which is a small tributary of Tapi River as per Integrated State Water Plan for Tapi Basin, Maharashtra State.</p> <p>(v) All the activities as per approved CAT plan are proposed to be implemented by the Maharashtra State.</p> <p>(vi) NOC is required for inter-State rivers and river valleys project as per entry 56 of List I (Union List), Article 246, 7th Schedule of the Indian Constitution whereas Instant project is proposed to be executed over local Nalla. Hence, NOC is not required.</p>
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It is therefore requested that above compliance report may kindly be forwarded to the Central Government for further consideration of the proposal.

Encl: As above

 8/7/23

(Naresh Zurmure)  
Addl. Principal Chief Conservator of Forests  
& Nodal Officer

**Copy forwarded for information.**

1. The Conservator of forests (T), Dhule
2. The Deputy Conservator of forests, Nandurbar Forest Division, Nandurbar
3. The Executive Engineer, Nandurbar Medium Project Divisional Unit, Nandurbar

Dhule Circle/Id-12942/73.94 ha.

## Compliance of minutes

**Subject :-** Diversion of 73.94 ha forest land for construction of Kareghat Minor Irrigation Tank at Kareghat, Tal Nawapur Dist Nandurbar in the State of Maharashtra (Online No. FP/MH/IRRIG/61238/2020-regarding

**Ref:-** Govt. of India, Ministry of Environment, Forest and Climate change (Forest Conservation Division, New Delhi dated 09.08.2023.

The above subject proposal was placed before of the Advisory Committee (AC) meeting held on 17.07.2023 The compliance of minutes raised in the meeting are as follow.

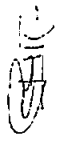
Sr No	Minutes of the Meeting	Compliance of minutes
1	<p>The details about the command area, irrigation potential, present cropping pattern, total population of villages to be benefited and the likely impact of the project on cropping pattern in future is essential for evaluating the socio economic benefits of the project The state shall submit a detailed report on these aspect</p>	<p>The detail project report containing, the details of commanda area, irrigation potential, present cropping pattern (attached here with) Total population of villages to be benefited and likely impact of the project on cropping pattern Details an as follows.</p> <p>1) Gross Command Area(GCA): 1114.30 Ha.                  2) Irrigable Command Area(ICA):679 Ha.                  3)Irrigation Potential (IP): 910.00 Ha.</p> <p>The Present Cropping Intensity of this Project is 125% ((1) Two Seasonal Crop -20% (ii) Kharif Crop -50%, (iii) Rabi Crop 55%) (Copy is Attached Herewith)</p> <p>The Project will Benefit 4 Tribble Villages of Navapur Taluka of District Nandurbar with Total Population 5220 will be benefited. Moreover, the project will also serve the Drinking water purpose.</p>
2	<p>The project which is for irrigation purposes will increases the yield potential of the area into account and submit a revised cost benefit analysis on the prescribed format</p>	<p>After the execution of the project, the existing cropping pattern will change. Some new cash crops will be introduced in certain areas, while some crops will increase their yield potential. Therefore, while calculating the cost-benefit analysis, we considered both, the increased benefit of the new cropping pattern and compared it with the benefit of the existing cropping pattern. Hence, <b>revision in the cost-benefit analysis is not required.</b> (The existing cropping pattern and the cropping pattern after the completion of the project &amp; B.C. Ratio analysis, are attached herewith.)</p>
3	<p>Since the proposed area is bordering the State of Gujarat, and the project may have impact on the areas downstream, therefore the state of</p>	<p>It is humbly submitted that the Water is a State Subject [entry 17 of List II (State List) which says water supplies, irrigation and canals, drainage and embankments, water storage and water power subject to the provisions of entry 56 of List I (Union List)]</p>

Sr No	Minutes of the Meeting	Compliance of minutes
	<p>Maharashtra shall seek the comments / NOC from the state of Gujarat in this regards. Keeping</p>	<p>as per the Article 246, 7th Schedule of the Indian Constitution. Moreover, the Kareghat Minor Irrigation project is proposed to be constructed across Supadi Nalla near village Kareghat Tal- Navapur, &amp; Dist- Dhule. Though, the proposed site is bordering the State of Gujrat but the comments / NOC from the State of Gujarat is not required owing to the additional following reasons;</p> <p>(i) Entire submergence area of the project i.e. 73.94 hectares falls within the administrative boundaries of Maharashtra State.</p> <p>(ii) The gross command area of the project covers approx. 1200 hectares' area and located D/S (Down-stream Side), all of which falls within Maharashtra State.</p> <p>(iii) The catchment of Supadi Nalla is not intercepted by any other major or medium water resource project on upstream.</p> <p>(iv) The water availability for the project has been considered from the local Nalla (Supadi) which is a small tributary of Tapi River as per Integrated State Water Plan for Tapi Basin, Maharashtra State.</p> <p>(v) All the activities as per approved CAT plan are proposed to be implemented by the Maharashtra State.</p> <p>(vi) NOC is required for inter-State rivers and river valleys project as per entry 56 of List I (Union List), Article 246, 7th Schedule of the Indian Constitution whereas instant project is proposed to be executed over local Nalla. Hence, NOC is not required.</p>

  
(P.P.Chinawalkar)

Executive Engineer

Nandurbar Medium Project Divisional Unit,  
Nandurbar



M.i.Tank @ Kareghat Tal :-Nawapur, Dist :- Nandurbar  
Statement showing Net benefit Under Un irrigated condition  
Value of Produce Before Irrigation project

ICA

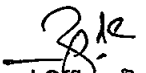
607.00

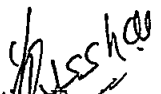
TABLE - 2

Rs. Lakhs


Season	Name of Crop	Percentage (as per A/A)	Area in Ha.	Net benefit Rs. per Ha. (for the year 2013-14)	Total benefit
1	2	3	4	5	6
	L.S.Cotton	15	91.05	34384	31.31
	Groundnut	17	103.19	26746	27.60
	Pulses	13	78.91	29485	23.27
	Bajara	1	6.07	19630	1.19
	Jawar	24	145.68	23683	34.50
	Paddy	16	97.12	23312	22.64
	Vegetable	1	6.07	566295	34.37
	Wheat	1	6.07	22700	1.38
	Chilly	1	6.07	39846.45	2.42
	Onion	11	66.77	39846.45	26.61
<b>TOTAL</b>		<b>100</b>	<b>607</b>		<b>205.29</b>

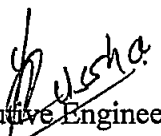
12

  
Sub Divisional Officer  
Sub Divisional Unit No-2  
Nandurbar

  
Executive Engineer,  
Medium Project Divisional Unit  
Nandurbar

M.I.Tank @ Kareghat Tal :-Nawapur, Dist :- Nandurbar					
Statement showing Net benefit Under Irrigated condition					
Value of Produce After Irrigation project					
ICA	607.00	Ha.	TABLE - 1		Rs. Lakhs
Sr NO	Name of Crop	Percent age	Area in Ha.	Net benefit Rs per Ha. ( year 2015-16)	Total benefit
1	2	3	4	5	6
<b>A]</b>	<b>Two seasonal Crop</b>				
1	L.S. Cotton	15	91.05	100411	91.42
2	Chilly	5	30.35	113847	34.55
<b>B]</b>	<b>Kharif seasonal (Irrigated)</b>				
3	Drilled Paddy	15	91.05	59489	54.16
4	Groundnut	15	91.05	124311	113.19
5	Vegetable	10	60.7	566295	343.74
6	Kh. Hy. Jawar	10	60.7	79638	48.34
<b>C]</b>	<b>Kharif seasonal (Unirrigated)</b>				
7	Pulses	0	0	96921	0.00
8	Jawar	0	0	68775	0.00
<b>D]</b>	<b>Rabi seasonal</b>				
9	Rabi Jawar	20	121.4	71411	86.69
10	Wheat	20	121.4	49696	60.33
11	Vegetable	5	30.35	566295	171.87
12	Maize	10	60.7	69711	42.31
	<b>Total</b>	<b>125</b>	<b>758.75</b>		<b>1046.60</b>

  
 Sub Divisional Officer  
 Sub Divisional Unit No-3  
 Nandurbar

  
 Executive Engineer,  
 Medium Project Divisional Unit  
 Nandurbar



**Annexure - I**

Name of work :- Constg. M.I.Tank @ Kareghat , Tal Nawapur, Dist -Nandurbar

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**IIIrd Revised Project Report  
Overall Recapitulation Sheet**

**Ist Head works + Iind Main Canal**

Sr.No.	Sub-Head	Cost AAP (CSR 1996-97)			Actual Expdr. Upto 03/2021	Cost Proposed (CSR 2019-20)			Remarks
		Ist Headworks	Iind Main Canal	Total		Ist Headworks	Iind Main Canal	Total revised cost of project	
1	A- Preliminary	3.64	0.34	3.98	3.00	20.00	20.00	40.00	CSR-WRD-2019-20
2	B- Lands	35.58	28.54	64.12	0.00	787.02	40.00	827.02	
3	C- Works								
	a) Dam Proper	150.87	0.00	150.87	0.00	861.68	0.00	861.68	
	b) Spillway	190.61	0.00	190.61	0.00	691.49	0.00	691.49	
	c) Water Diversion	0.00	0.00	0.00	0.00	1555.01	0.00	1555.01	
4	D- Regulator	22.8	0.21	23.01	0.00	260.00	40.00	300.00	
5	E- Falls		0.24	0.24	0.00	0.00	45.00	45.00	
6	F- R.H.T. Works		11.16	11.16	0.00	0.00	210.00	210.00	
7	G- Bridges		0.30	0.30	0.00	0.00	120.00	120.00	
8	H- Escape		0.10	0.10	0.00	0.00	25.00	25.00	
9	K- Building	5.00	0.00	5.00	0.00	56.00	0.00	56.00	
10	L- Earthwork		21.74	21.74	0.00	0.00	200.00	200.00	
11	M- Plantation	0.35	2.27	2.62	0.00	5.00	5.00	10.00	
12	O- Miscellaneous	3.25	5.55	8.80	0.00	10.00	10.00	20.00	
13	P- Maintenance	3.74	0.44	4.18	0.00	34.00	6.40	40.40	
14	Q- Special T & P	0	0.00	0.00	0.00	0.00	0.00	0.00	
15	R- Communication	0.75	2.06	2.81	0.00	20.00	25.00	45.00	
16	S- Lose of stock	0.94	0.17	1.11	0.00	7.00	1.90	8.90	
17	III] Distributory	0	23.07	23.07	0.00	0.00	260.00	260.00	
<b>Total Work Portion</b>		<b>417.53</b>	<b>96.19</b>	<b>513.72</b>	<b>3.00</b>	<b>4307.20</b>	<b>1008.30</b>	<b>5315.50</b>	
ETP Charges 25.25/10% (excluding B-land)		92.26	21.26	113.52		352.02	96.83	448.85	
<b>Gross Total</b>		<b>509.79</b>	<b>117.45</b>	<b>627.24</b>	<b>3.00</b>	<b>4659.22</b>	<b>1105.13</b>	<b>5764.35</b>	
<b>Gross Storage</b>		<b>4577.78</b>	<b>TMC</b>	<b>ICA in Ha : 607</b>					
		A.A. cost With NPV(CSR 1996-97)		Proposed cost With NPV, (CSR 2018-19)		Proposed cost Without NPV, (CSR 2018-19)		<b>Yardstick CSR 2016-17</b>	
<b>Total Cost of Project in Lakhs</b>		<b>627.24</b>		<b>5764.35</b>		<b>5108.50</b>			
<b>Cost /TMC</b> Rs		3402.46		125920.22		111593.40		<b>Bellow Rs 140533 /-</b>	
<b>Cost /Ha</b> Rs Lakhs		1.03		9.50		8.42		<b>No Yardstick</b>	
<b>B.C.Ratio</b>		1.62		1.25		1.41		<b>Above 1.00</b>	
<b>ERR</b>				17.09		18.52%		<b>Above 12 %</b>	

Assistant Ex. Engineer,  
Sub Divisional Unit No-6  
Nandurbar

Executive Engineer,  
Nandurbar Medium Project Divisional Unit  
Nandurbar

Annexure - II

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M.I.Tank @ Kareghat Tal :-Nawapur, Dist :- Nandurbar

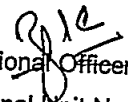
**BENEFIT COST RATIO**


Sr No	Description	With NPV, GST& Royalty	Without NPV But with GST & Royalty
		Rs. In Lakh	Rs. In Lakh
A	Total Cost Of Project		
		5764.35	5108.50
B	Annual Cost		
i	Simple Interest @ 10 %	576.43	510.85
ii	Depreciation charges 1.67%	96.26	85.31
iii	Administrative Charges		
	Rs.80/Ha. For 1.P.758.75 Ha.(As per G.R. No. 13107/dated 27.08.2013)	0.61	0.61
	<b>Total Annual cost</b>	<b>673.31</b>	<b>596.77</b>

C Annual Benefits			
i	Benefits Under Irrigated Condition ( from Table - 1)		1046.60
ii	Benefits Under Un Irrigated Condition ( from Table - 2)		205.29
	<b>Net Benefits</b>		<b>841.31</b>
iii	Add benefits from drinking water supply		
	0.500mm <sup>3</sup>	Rs. @ 0.18 / 10 m <sup>3</sup>	0.0013
			0.0013
iv	Benefits of fisheries - Average area between MDDL & FTL = 42.50 ha		
	Rate = Rs 1800 per ha. upto 20 ha		
			0.77
			0.77
	<b>Total annual Benefit</b>		<b>842.08</b>
			<b>842.08</b>

B.C.Ratio	Benefit	842.075	842.075
	cost	673.306	596.769

<b>B.C.Ratio</b>		<b>1.25</b>	<b>1.41</b>
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 Sub Divisional Officer,  
 Sub Divisional Unit No-4  
 Nandurbar

  
 Executive Engineer,  
 Medium Project Divisional Unit  
 Nandurbar

## Cost-Benefit Analysis

## Kareghat M.I. Tank Project

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Table-A: Cases under which a cost-benefit analysis for forest diversion are required

S. No.	Nature of proposal	Applicable/ not applicable	Remarks
1	All categories of proposals involving forest land upto 20 hectares in plains and upto 5 hectare in hills.	Not applicable	These proposals may be considered on a case-to-case basis and value judgment.
2	Proposal for defence installation purposes and oil prospecting (prospecting only).	Not applicable	In view of national Priority accorded to these sectors, the proposals would be critically assessed to help ascertain that the utmost minimum forest land is diverted for non-forest use.
3	Habitation, establishment of industrial units, tourist lodges complex and other building construction.	Not applicable	These activities being detrimental to protection and conservation of forest, as a matter of policy, such proposals would be rarely entertained.
4	All other proposals involving forest land more than 20 hectares in plains and more than 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, hydro projects, mining activity, railway lines, location specific installations like micro-wave stations, auto repeater centers, TV towers etc.	Applicable	These are cases where a cost-benefit analysis is necessary to determine when diverting the forest land to non-forest use in the overall public interest.

Table-B: Estimation of cost of forest diversion

S. No.	Parameters	Remarks										
1	Ecosystem services losses due to proposed forest diversion.	<p>Economic value of loss of eco-system services due to diversion of forests land and in this project total forest land to be diverted is 73.94 ha. Hence, following are the calculations are made on the basis of NPV Guidelines issued by Government of India, Ministry of Environment, Forest and Climate Change, (Forest Conservation Division), New Delhi vide no. File No.5-3/2011-FC(Vol-I) dated 6th January 2022.</p> <table border="1"> <thead> <tr> <th>Particulars</th> <th>Area</th> <th></th> <th>NPV Rate</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>Dam</td> <td>73.94</td> <td>x</td> <td>1228590</td> <td>90841945</td> </tr> </tbody> </table> <p>= Rs. 908.41 Lakhs</p>	Particulars	Area		NPV Rate	Amount	Dam	73.94	x	1228590	90841945
Particulars	Area		NPV Rate	Amount								
Dam	73.94	x	1228590	90841945								

Annexure - II

①

2	Loss of animal husbandry productivity, including loss of fodder.	Estimated loss of animal husbandry productivity due to diversion of @ 10% of NPV  10% x 1228590 x 73.94 ha = Rs.90.84 Lakhs
3	Cost of human resettlement.	Loss of Human Settlement = Rs. 0 Lakhs
4	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land, which would require forest land if these facilities were diverted due to the project.	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land. Hence, Rs. 0 Lakhs
5	Possession value of forest land diverted.	30% of NPV = Rs. 272.52 Lakhs
6	Cost of suffering to oustees.	Nil
7	Habitat Fragmentation Cost.	This project involves forest land along river bank, nalla which is habitat for various wild animals and birds found in that area. But there is no Tiger project, no National Park, Wildlife sanctuary or Eco-sensitive zone of protected area. Habitat fragmentation cost calculated at 50% of NPV = Rs. 454.20 Lakhs
8	Compensatory Afforestation and soil & moisture conservation cost.	The actual cost of compensatory afforestation scheme for an area of 91.26 ha and soil & moisture conservation and its maintenance in future = Rs 40713687.45/-  Or say Rs. 407.136 Lakhs

**Table-C-Existing guidelines for estimating benefits of forest-diversion in CBA**

Sr. No.	Parameters	Remarks
1	Increase in productively attribute to the specific project.	<p>a) Net increase in agricultural produce for 50 years. Per year benefits are at Rs. 70,000/ 4 Villages/ year = 280000 x 50 = Rs. 1400 Lakhs</p> <p>b) It is proposed to develop fisheries produced reservoir, the average reservoir area between FSL and M.D.D.L area is Ha annual production of @5000 Kg/1000 Ha, amounting to Rs 6.930 Lakhs per year after deduction of expenditure. Thus the overall benefits on this account in 50 Years will be = 6.93x 50 x 87.00 x 8.10 = Rs. 2441.78 Lakh</p>

## Annexure - I

(7)

		c) Animal husbandry produce 10% of NPV = $908.41 \times 10\% = \text{Rs.}90.84 \text{ Lakhs}$
2	Benefits to economy due to the specific project.	It is assumed that there will be an overall benefit to the economy at 50% of increase in the agricultural output worked out under parameter 1 (a). Thus, benefit due to project on this account will be = Rs 1400 Lakhs  $50\% \times 1400 = 700 \text{ Lakhs}$
3	No. of population benefited due to specific project.	Overall all 4 villages will be benefited in the command areas due to this project. Total population of these villages is 70000 persons'. Total number of families benefited will be @17415 family. Assuming increase in income per family Rs.50,000/- per year to these families on this account for 50 years, for 17415 families will be Rs. 4353 lakh.
4	Economic benefits due to of direct and indirect employment due to the project.	a) Employment generated during construction period. Generally, in construction project, ratio of labour component cost to material component cost is 30:70. The total cost of the project is 12959.95 Lakhs labour employment will be about 30% of Rs.3382.60 Lakhs. The employment potential generated assuming the labour wages of Rs. 80/day (average) in monetary terms the employment potential will be 80 Lakhs $30\% \times 3382.6 = 1014.78 \text{ Lakhs}$ b) After completion of the project it has been assessed from the statistics available for the irrigation project in operation that a labour potential of 73 mandays/Ha. year is generated perennially due to employment in the fields and in agro based industries in case of this project the irrigable command area is 994 Ha. Assuming wages of Rs. 280/- per day the employment potential that will be created during 50 years. $280 \times 994 \times 50 = 1391 \text{ Lakhs}$ c) Drinking water Benefits (As per approved First administrative approval estimate) for $5.2272 \text{ M.cum} \times 0.232 \times 10 = 12.12 \text{ Lakhs}$ per year $\times 50 \text{ Years} = \text{Rs.}606.35 \text{ Lakhs}$
5	Economic benefits due to Compensatory afforestation.	213.45 Lakhs

**Cost-Benefit Analysis**

**Kareghat M.I. Tank Project**

**Calculations of Benefit Cost Ratio**

Total Cost (as per Table-B calculation) = Rs. 2133.106 Lakhs

Total Benefits (as per Table-C calculation) = Rs. 12210.77

Hence, Benefit/Cost Ratio = 5.724



Executive Engineer  
Nandurbar Irrigation Project  
Divisional Unit Nandurbar



नंदुरबार मध्यम प्रकल्प विभागीय पथक, नंदुरबार.  
टोकर तलाव रोड, एस.पी.ऑफीस जवळ,  
नंदुरबार-४२५४९२.



Email-dmpd2nandurbar@gmail.com

दुरध्वनी नंबर :- ०२५६४-२९००७७

जा. क्र. नंमप्रविपनं/प्रशा-३ / ०२३ / सन २०२३

दिनांक:- ०६/०९/२०२३

TO,

THE DEPUTY  
CONSERVATOR OF FORESTS, VYARA. -  
Tapi FOREST DIVISION,  
Tapi

SUBJECT: Diversion of 73.94 ha forest land for construction of Kareghat Minor Irrigation Tank at Kareghat, Tal. Nawapur, District Nandurbar in the State of Maharashtra (Online No. FP/MH/IRRIG/61238/2020) - regarding.

Ref :- Government of India Ministry of Enviroment, Forest and Climate Change, Indira Paryavaran Bhawan , jor Bag road , Aligani, New Delhi date.9 th august 2023

The Water Resources Department of the Government of Maharashtra (GOM) is currently constructing the M I Tank at Kareghat, Taluka Nawapur, District Nandurbar in the Maharashtra State. The submergence area of the project is 73.94 hectares, entirely within the boundaries of Maharashtra State. The gross command area for this project covers 1200 hectares, all of which falls within Maharashtra State. There is no involvement of the Gujarat State in relation to the submergence or command area of the project.

With respect to the aforementioned information, an NOC (No Objection Certificate) from the adjacent Gujarat State is required for submission to the Ministry of Environment, Forest and Climate Change (MOEF) of the Government of India in New Delhi. Please issue the NOC accordingly for this purpose.

D.A. 1 } submergence plan  
2) command plan  
3) silent features etc }

Executive Engineer  
Nandurbar Medium Project Divisional Unit,  
Nandurbar

Received  
14  
18/10/23

रवानगी करतुन  
नामण वन संरक्षकशी,  
व्यारा वन विभाग,  
सयाशिवना पुतण्या पास, स्टेशन रोड,  
व्यारा, जि. तापी. पीन : ३८४ ५५०.

**Dy. Conservator of Forest,  
Vyara**

**Dist. Tapi**



Office of the Dy. Conservator of Forest  
Near Sayajirao Statue, Station road,  
Vyara, Dist. Tapi. PIN : 394 650  
Telephone No. : 02626-222019  
Fax No. : 02626-222339  
Email-dcfvyara1@gmail.com

No.B/Land/22/ 7612 /2023-24

Date : 26/10/2023

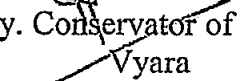
To,  
Executiver Engineer,  
Nandurbar Medium Project Division Unit,  
Nandurbar-425492.

**Sub : Diversion of 73.94 ha. forest land for constrution of  
Kareghat Minor Irrigation Tank at Kareghat,  
Tal.Nawapur, Disrict Nandurbar in the State of  
Maharashtra (Online No.FP/MH/IRRIG/61238/2020)  
Regarding.**

**Ref : (1) Your Letter No. नमप्रविपनं / प्रशु-3 / 023 / 2023,  
Dt : 06-09-2023.**

**(2) Government of India Ministry of Environment, Forest and  
Climate Chage, New Delhi Letter No. 8-28 / 2022 – FC,  
Dated : 9<sup>th</sup> August 2023**

With reference to above subject it is to submit that office of under signed is not the competent authority to issue NOC in this regard. Further, the impact of above project in Tapi district forest areas is not shared with this office. So, you are kindly requested to submit the same to the office of under signed at the earliest.

  
Dy. Conservator of Forest  
Vyara



