

## Site Inspection Report

**Ref.-** GoI, MoEF&CC (FC Division), letter No. 1A-7/2022 (PS)/404, Dated- 25/07/2025.

**Dates of Inspection:** 29/07/2025

**Officers present at the time of inspection: -**

1. Dr. Yogesh Gairola, Technical officer, Forestry, Government of India, Ministry of Environment-Forest & Climate change, Regional Office Bhopal ( Inspecting Officer)
2. Shri Ramesh Rathore DFO Khargone
3. Shri Hiralal Patel SDO Forest
4. Shri Sanjay Chouhan, FRO
5. Shri Rajesh Randhawa, FRO
6. Shri Neelam Meda, EE, WRD
7. Shri Manish More, AE, WRD
8. Shri D.K. Mandloi, Sub Engineer, WRD

Title of the Project:		Proposal for Site Inspection for seeking prior approval of the Central Government under Section 2 (1) (ii) of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 for diversion of 74.43 ha Damkheda Tank under SUB DIVISION OFFICE SEGAON. Khargone District of Madhya Pradesh State. (Online No. FP/MP/IRRIG/40099/2019)				
1.	Legal status of the forest land proposed for diversion:	Khargone Reserved Forest: 74.43 ha  Total-74.43 Ha				
2.	Item-wise break-up details of the forest land proposed for diversion:	No.	Purpose wise Breakup	Forest Division	Forest Comp. nos.	Area in (Ha)
		1	Dam	Khargone	RF- 744,742,897, 898,894,900, 908,914,916, 761	5.42
		2	Submergence			47.69
		3	Waste Weir			13.04
		4	Canal			7.33
		5	Road			0.95
		Total				74.43
3.	Whether proposal involves any construction of buildings (including residential) or not. If yes, details thereof:	No				
4.	Total cost of the Project at present rates:	4152 Lakhs (as per online Part-I)				
5.	Wildlife:	No.				

6.	Vegetation:	Eco-Class: -3 and Canopy Density is 0.2. The main species found in the area are as follows: - <div><div>i.</div><div>Butea Monospcrma</div></div> <div><div>ii.</div><div>Tectona Grandis</div></div> <div><div>iii.</div><div>laersmrmia parviflora</div></div> <div><div>iv.</div><div>HokTtclia integrifolia</div></div> <div><div>v.</div><div>Madhuca indica</div></div> <div><div>vi.</div><div>Diospyros Melano.xylon</div></div> <div><div>vii.</div><div>Acacia Nilotica</div></div> <div><div>viii.</div><div>Adina Cordifolia</div></div> <div><div>ix.</div><div>Aegle Marmelos</div></div> <div><div>x.</div><div>Pongmia Pinnata</div></div> <div><div>xi.</div><div>Terminalia Bellerica</div></div> <div><div>xii.</div><div>Mangifera Indica</div></div> <div><div>xiii.</div><div>Teminalia Tomentosa</div></div> <div><div>xiv.</div><div>Miscellaneous</div></div>																			
7.	Background note on the proposal:	Project is located in a very backward and remote area. The area is 100% inhabited by poor tribals. The economy is mostly dependent on agriculture. Due to scarcity of water, the agricultural production is very poor. A seasonal Local nalla flows through the area and drains into Veda river. To harness the water in local nalla stream for the benefit of local poor farmers, the project has been envisaged.																			
8.	Compensatory Afforestation:	<div>As per online/SIR</div> <table><tr><th>S. No.</th><th>District</th><th>Tehsil/Village</th><th>Khasra No.</th><th>Proposed Area (Ha)</th></tr><tr><td>1</td><td>Khargone</td><td>Segaon/Khamkheda</td><td>209,195</td><td>74.43</td></tr><tr><td colspan="4">Total</td><td>74.43</td></tr></table> <div>District- Khargone, Range-Khargone, Tehsil-Segaon , Village-Khamkheda, Khasra no. 209,195, Area-74.43 ha. The proposed CA area District- Khargone, Range-Khargone, Tehsil-Segaon ,Village-Khamkheda, Khasra no. 209,195, Area-74.43 ha. is a revenue land located, with moderate gradient. Moderate gradient with sparse vegetation. In the moderate gradient there is sparse vegetation hence, 100% area available for planting. The common vegetation found in the area are Butea Monospermic, Acacia Nilotica and Azadirachta indica. As enquired with the local forest staff, the wildlife in the area are Hares, Rabbit, Fox etc. It was observed that about 100 % of the area</div>					S. No.	District	Tehsil/Village	Khasra No.	Proposed Area (Ha)	1	Khargone	Segaon/Khamkheda	209,195	74.43	Total				74.43
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		covered with natural vegetation. Hence, the area is suitable for plantation.
9.	Whether proposal involves violation of Forest (Conservation) Act, 1980 or not. If yes, a detailed report on violation including action Taken against the concerned officials:	NO
10.	Whether proposal involves rehabilitation of displaced persons. If yes, whether rehabilitation plan has been prepared by the State Government or not:	The Project Authority has informed that affected persons will be compensated as per the prevailing rules in the State of MP. No R&R plan is required.
11.	Reclamation Plan: (If applicable, submit details and Financial allocation:	Not submitted.
12.	Details on catchment and command area under the project:	Catchment Area- 49.03 sq km Command Area- 1200.00 ha
13.	Cost benefit ratio:	1.02, (As submitted in the proposal)
14.	Recommendations of the Principal Chief Conservator of Forests/State Government:	Recommended
15.	Utility of the Project:	Project is important for nearby villages to meet irrigation requirement of their farm lands and drinking water. The tank water will boost irrigation, agriculture development and also create employment.
16.	Whether land being diverted has any	No.

	sociocultural/religious value:	
17.	Situation w.r.t. Any P.A.	Proposed area is neither a part of any protected area nor it falls within 10 km of the nearest protected area.
18.	Any other information relating to the Project:	-
19.	<b>Specific comments/ observation of inspecting officer</b>  <p>The Damkheda Tank Project is proposed on a seasonal stream in the Satpura mountain ranges of Khargone district, Madhya Pradesh, draining into the Veda River. The main dam, submergence area, waste weir, canal, and approach road are located within the Khargone Forest Division. The project catchment area is <b>49.03 sq. km</b>, and the command area is <b>1,200 ha</b>. The region receives <b>700–800 mm annual rainfall</b>, with most of the population being poor tribal communities living in hill and valley settlements. Agriculture is the primary livelihood but suffers from low productivity due to erratic rainfall and water scarcity. The dam will store monsoon flows for longer periods, ensuring irrigation and drinking water supply, improving agricultural output, and enhancing local socio-economic conditions. The stored water will also support surrounding vegetation, provide a resource for cattle, and potentially attract wildlife. There are about 31 affected families which are compensated according to the prevailing rules in the State of MP. The comments/observations are as under:</p> <ol style="list-style-type: none"> <li><b>The CAT plan</b> is required which should include afforestation, vegetative barriers, contour trenching and gully plugging to reduce silt load in the Veda River.</li> <li><b>Underground canal-</b> The area provided for construction of Canal is on higher side and with varying width. As per the discussion held with the concerned DFO and the WRD personals the proposed canal can be re-designed as an underground pipeline, in line with modern irrigation practices, to substantially reduce forest land diversion, minimise vegetation loss, prevent seepage and evaporation losses and ensuring higher delivery efficiency to the command area.</li> <li><b>Greenbelt Development-</b> Planting of native species along reservoir periphery, waste weir and canal banks to improve slope stability and biodiversity.</li> <li><b>Sediment Management-</b> Provide silt traps/desilting basins upstream to prolong reservoir life.</li> <li><b>Community Participation-</b> Engage local tribals in CAT works, greenbelt development and maintenance for better project sustainability.</li> <li><b>Livestock and Wildlife Water Points-</b> create shallow depressions and safe slopes for access to water by cattle and occasional wildlife.</li> <li><b>Power Supply Component Clarification:</b> The project proponent should clarify whether the components required for power supply—such as the electricity transmission line, transformer, control panels, and pumping units—are going to be</li> </ol>	

	<p>proposed within forest land or in non-forest areas, along with details of their exact locations, land requirement, and measures to minimize forest land use. However, during the visit this is informed by the Project Authority that all these components will be constructed in non-forest area.</p> <p>8. <b>The proposed CA site</b> can be enriched by adopting soil and moisture conservation measures such as staggered contour trenches, crescent bunds, and small water-harvesting pits to enhance percolation and support sapling growth; planting a mix of native species, including timber, fruit-bearing, and fodder trees, in suitable patterns; creating microhabitats by retaining natural regeneration pockets and introducing nectar-rich shrubs; developing water sources like wildlife watering holes or solar-powered drip irrigation for the initial years; ensuring site protection through fencing or live hedges with local JFMC involvement; carrying out enrichment planting and assisted natural regeneration where partial vegetation exists; and implementing a maintenance plan with gap filling, fire protection, and annual monitoring to ensure long-term sustainability and high survival rates.</p> <p>9. <b>CA sites:</b> A watcher's hut cum watch tower is also suggested to be included in the CA scheme. In the CA sites the boundary of the CA area should be provided with continuous contour trenching with septa at regular intervals. The dug-out soil from the trench should be put 1 meter on the outer side of the trench. The mound of the dug-out soil should be planted with species such as <u><i>Ceasalpinia bonduc</i></u> for effective protection.</p> <p>10. The area is on higher side on ground divided with the well-built road in two patches. As discussed with the concerned DFO the nearest nursery in the area is about 50 km far from the site so part of the area can be used for development of the forest nursery in addition to the compensatory afforestation.</p>
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20	<p>Recommendations</p> <p>Of Deputy Director General of Forest (C), Government of India, Ministry of Environment-Forest &amp; Climate change, Regional Office Bhopal along with detailed reasons:</p>	<p>I am in agreement with the observations put forth by the Inspecting Officer. The project is hereby recommended for approval, with due consideration given to the observations specified in S.No. 19 above.</p>
21.	<p>Regional Head shall give detailed comments on</p>	<p>Since, the project is an engineering structure and the location of the same has been decided taking into consideration, the hydrogeological studies by the engineers, the project becomes site specific project and</p>

	whether there are any alternatives routes/alignment s for locating the project on the non-forest land:	hence there is no alternatives.
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Dy. Director General of Forests (C)  
Regional Office, Bhopal

## Field Photographs

### Inspection photographs of Diversion Area





**Inspection photographs of CA Area 74.43 Ha.**