



दामोदर घाटी निगम

DAMODAR VALLEY CORPORATION

No. TSC-IV/C-5(TSS H'bag)/ 634 .

Dated: 02/12/2025

To
The Divisional Forest Officer
Hazaribag West Forest Division
Hazaribag

Sub: Diversion of 10.106 Ha forest land (proposal no. FP/JH/TRANS/120412/2021) for construction of 132 KV D/C transmission line from DVC Hazaribag (Sindoor) to TSS Hazaribag of ECR, Dhanbad.

Ref: Your office Memo. no. 5472 dated: 11.11.2025.

Dear Sir,

With reference to the above & EDS raised by the Regional office, Govt of India, the point-wise compliance is as follow:

Sl. No.	EDS	Compliance
1	The committee demanded a comprehensive Wildlife Management Plan for the proposal for further consideration.	Approval letter for the Wildlife Management Plan issued by the PCCF & Chief Wildlife Warden, Jharkhand, Ranchi vide office order no. 49 dated: 15.10.2025 (Memo no. 1137 dated: 15.10.2025) is attached herewith as annexure-I , which contains the entire details of work proposed to be done under this plan.
2	REC pointed out that since felling of trees (Sl. No.14) and Raising of Electric Towers (Sl. No.16) are the Regulatory activities in the Eco Sensitive Zone (ESZ) notification order dated August 01, 2019 of Govt. of India, hence it desired a copy of the Zonal Master Plan from State Govt. if made any. Further, the committee emphasized that User Agency should follow the provisions made in the Master Plan, if prepared. Therefore, an undertaking from user agency to the effect may be submitted.	Undertaking in this regard is attached as annexure-II .

Therefore, it is requested that the compliance report may kindly be processed and forwarded towards obtaining of Stage-I clearance.

Thanking you,

Yours faithfully

(Rakesh Ranjan Keshari)
Dy. General Manager (E)
TSC-IV, DVC, Hazaribag

Encl: As above (in 08 sets).



Office of the Principal Chief Conservator of Forests,
Wildlife & Chief Wildlife Warden, Jharkhand
Van Bhawan, Doranda, Ranchi-834002



Email: pccf-wildlife@gov.in, Phone No. 0651-2481744

Office Order No. 49.

Dated. 15/10/2025

Sanction Order of the Site Specific Wildlife Management Plan with reference to the diversion of 10.106 ha (7.101 ha notified forest land and 3.005 ha Jangal-Jhari) of forest land in favour of Damodar Valley Corporation (DVC), Hazaribag for construction of 132 KV D/C Hazaribagh (Sindhur) Substation of DVC to TSS of East Central Railway, Dhanbad Transmission Line under Hazaribagh West Forest Division in Hazaribagh district of Jharkhand.

The instant Site Specific Wildlife Management Plan for Conservation of Flora and Fauna (referred to as "the Plan" or "WMP" hereinafter) has been submitted by Damodar Valley Corporation (DVC), (referred to as "the User Agency" or "DVC" hereinafter) in compliance of the Condition laid under Item no. i of the approval order issued by the Ministry of Environment, Forest & Climate Change, Government of India, Regional Office, Ranchi vide its letter no. FP/JH/TRANS/120412/2021/293 dated 09.05.2024 for diversion of 10.106 4ha (1.101 ha notified forest land and 3.005 ha Jangal-Jhari) of forest land for construction of 132 KV/DC Transmission Line from Hazaribagh (Sindhur) Substation of DVC to TSS of East Central Railway, Dhanbad passes through the villages- Churchu, Nagwana, Merawal, Nawdiha, Mandaikhurd, Maiakalam, Alagdiha, Harina, Mayapur, Chharwa, Godokhar, Luta Salgawan, Kadma and Rewali.

The aforesaid condition laid by the Central Government read as follows:

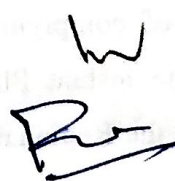
"i. The committee demanded a comprehensive Wildlife Management Plan for the proposal for further consideration."

In the above stated background, the User Agency and DFO Hazaribagh West in pursuance of complying the aforesaid condition laid by the Central Government, have prepared the instant Plan in consultation with each other. Vide his letter no 870 dated 07.05.2025 the Regional Chief Conservator of Forests, Hazaribag submitted the plan to the office of the undersigned for its due sanction. In order to examine the plan prescriptions a communication was issued to the Regional Chief Conservator of Forests, Hazaribagh, vide this office letter no. 944 dated 20.08.2025, to arrange a Power-Point Presentation of the plan on 22.08.2025 in the Office chamber of the undersigned.

While considering the plan for its approval, a Power Point Presentation was scheduled with CF, Hazaribag, DFO, Social Forestry, Ranchi, DFO, Hazaribag West, DFO, Wildlife Division, Ranchi, Sri R.S Sharma, Sr. G.M, DVC, Hazaribagh and Sri R.K. Tudu, Sr. Manager, DVC, Hazaribagh in the office of undersigned. During the PPT certain observations were made and DFO, Hazaribagh (West) was instructed to modify the plan on certain points. Compliance of observations made by undersigned was submitted by the DFO, Hazaribag (West) vide his letter no. 4850 dated 06.10.2025.

The Plan contains six chapters including 1) Introduction and Background, 2) Potential impact due to the project and its quantification, 3) Management objective and mitigation strategies, 4) Intervention to be done by the User Agency, 5) Interventions to be done by Department through DFO, 6) Maps and budget estimate. Wildlife management plan suggests "Mitigation Measures" to the actions that can be implemented to minimize the magnitude of the project related detrimental impacts on ecology in general and forest & wildlife of the project area. The various work components have been assigned to the implementing agencies so as to achieve the maximum efficiency in terms of output and to address the needs of conservation of forests and wildlife.

The cost of the proposed 10 years Wildlife Management Plan with respect to the activities to be carried out by DFO, Hazaribag West Forest Division has been estimated to be Rs. 279.43 lakh. In addition to it certain activities shall be undertaken by the user agency in consultation with DFO, Hazaribagh west Forest Division the details of which have been enumerated in Part A. The summary of the proposed interventions (component wise) under the Plan with the objective of conservation of forest and wildlife resources is as follows:


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Deputy General Manager (E)
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TSC-IV DVC Hazaribag

PART-A

ACTIVITIES PROPOSED TO BE IMPLEMENTED BY USER AGENCY DVC (132 KV D/C HAZARIBAGH – BARHI TRANSMISSION LINE PROPOSAL) UNDER THE GUIDANCE/SUPERVISION OF DFO HAZARIBAGH WEST	
S. No.	Particulars
1	Establishment of a Vulture Conservation and breeding programme along with Hazaribagh provisional vulture safe zone activities
2	Providing 250 Solar Street light in elephant/wild animals affected areas of the range.
3	Providing Seed money to 10 JFMCs to support development and growth of forest communities
4	Computer operator for GIS Cell during plan period
5	Purchase of a drone with various payloads to support anti-depredation measures
6	Cost of Digital Cameras, Binoculars, AI Camera, Camera Traps including batteries, GPS, software design for data management etc.
7	Providing a four wheeler vehicle with accessories to DFO for monitoring and supervision of the plan activities during the plan period
8	Fuel for vehicles/vehicle for vehicles for 10 years
9	Computer and peripherals
10	Awareness Generation
11	Capacity Building through trainings for staff
12	Training and Capacity Building of JFMCs
13	Fire Management Squad (10 persons for 150 days)
14	Sound systems and torches
15	Animal Rescue Equipments
16	Provision of skilled manpower to support in various activities like anti depredation
17	Faunal survey every 5 year
18	Providing necessary support in term of equipment & man power for wildlife monitoring cell at PCCF Wildlife Office.
Note :-	
i)	These proposed activities will be implemented by the user agency at its own cost.
ii)	Demand for these activities will be raised by the office of Divisional Forest Officer, Hazaribagh West Forest Division.
iii)	Financial Demand for man-power will be at the prevailing wages rate in the State of Jharkhand.
iv)	User Agency will also have the option of getting the work done by using deposit fund - 8782 head as per the order of State in letter No. 3199 dated 09.11.2021


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PART-B

ACTIVITIES TO BE UNDERTAKEN BY FOREST DEPARTMENT

Sl.No.	Particulars	Unit cost	Total Units	Financial Outlay	Expected expenditure during ten years (Rs in Lakhs) for DVC (132 KV D/C Hazaribag - Chatra Transmission Line Project)										Total
					Yr-1	Yr-2	Yr-3	Yr-4	Yr-5	Yr-6	Yr-7	Yr-8	Yr-9	Yr-10	
A	Awareness Generation & Capacity Building														
1	Smokeless chulha/Solar lamps	0.025	500	12.50	6.25	6.25									12.50
2	Livelihood - Forest based and others	Ls		10.00	10.00										10.00
	Sub Total			22.50	16.25	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.50
B	Fire management														0.00
1	Fire Fighting Equipments			10.00	5.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	10.00
2	Construction Of Watch Tower cum Temporary Shelter with Solar and Water Facility			20.00	20.00										20.00
3	Two Watch Tower Tracker			31.20	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	31.20
	Sub Total			61.20	28.12	3.12	3.12	3.12	3.12	8.12	3.12	3.12	3.12	3.12	61.20
C	Habitat Management														
1	Checkdams small	8	2	16.00	16.00										16.00
2	Checkdams - Medium	12	2	24.00	24.00										24.00
3	Checkdams Large	16	1	16.00	16.00										16.00
4	Farm Pond	2.61	14	36.54	18.27	18.27									36.54
5	Artificial Nests	0.005	1000	5.00	5.00										5.00
6	Bird Diversities	0.012	85	1.02	1.02										1.02
7	Wild life Habitat Improvement (Water Holes)	0.8	10	8.00	2.40	2.40	2.40	0.80							8.00
8	Support for veterinary services	0.008	120	9.60	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	9.60
	Sub Total			116.16	83.65	21.63	3.36	1.76	0.96	0.96	0.96	0.96	0.96	0.96	116.16
D	Anti-Depredation Activities														
1	First Aid Kit	Ls		8.00	2.00	0.50	0.50	0.50	0.50	2.00	0.50	0.50	0.50	0.50	8.00
	Sub Total			8.00	2.00	0.50	0.50	0.50	0.50	2.00	0.50	0.50	0.50	0.50	8.00
E	Facilitating monitoring and														
1	Maintenance @50000/-year for 10 years	0.5	10	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00
	Sub Total			5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	5.00
	Contingency			20.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	20.00
	Total Cost of the WLMIP			232.86	132.52	34.00	9.48	7.88	7.08	13.58	7.08	7.08	7.08	7.08	232.86
	Escalation			46.57	26.50	6.80	1.90	1.58	1.42	2.72	1.42	1.42	1.42	1.42	46.57
	Grand Total Cost of WLMIP			279.43	159.02	40.80	11.38	9.46	8.50	16.30	8.50	8.50	8.50	8.50	279.43

The Plan with a total financial outlay of Rs 279.43 lakh for implementation of Wildlife Management Plan (WMP) extending over a period of 10 years (Year 2025-26 to 2035-36; tentatively), shall be utilized by the State Forest Department through the DFO, Hazaribag West Forest Division in accordance with the Plan prescriptions.

Considering the proposals under the plan, sanction is hereby accorded to the instant Plan subject to the following conditions:

- Implementation of the Wildlife Mitigation Plan prepared in respect of the proposed project.
- That various activities in the project shall be executed under the monitoring and guidance of DFO, Hazaribag West in their respective jurisdiction and under the supervision of RCCF Hazaribag, CF, Territorial Circle Hazaribag and CF, Territorial Circle Chatra.

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Deputy General Manager (E)
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RCCF IV DVC Hazaribag

- (iii) That the User Agency shall ensure that its officials/contractors and the work force engaged into transmission line laying and allied works shall not commit or abet any forest/wildlife offence in their area of operation. They will also promptly report any forest/wildlife offence in the area to the nearest forest office/official. Further, they will extend their full cooperation to the forest officials in control/mitigation of any incident, natural or manmade, detrimental to forest and wildlife in their area of operation.
- (iv) In the cases of management of lands of Protected Areas/forests under transmission lines will be followed while implementing of the project and with special considerations for protecting elephants from accidental electrocution by keeping height above ground at the lowest point of the lowest conductor or grounding wires (i.e. at maximum sag point) of power lines and also to avoid electrocution to avifauna and other arboreal species.
- (v) The entire length of the proposed power line between Hazaribagh (Sindhur) Substation of DVC to TSS of East Central Railway, Dhanbad should be marked with appropriate bird diverters spaced at 10 m intervals. The bird diverters shall be regularly checked and maintained by the User Agency.
- (vi) The user agency and project personnel will comply with the provisions of Standard SOP/Guidelines issued by WII, Dehradun for linear projects.
- (vii) Any felling/pollarding/pruning of trees for allowing electrical clearance/maintenance will be done with the permission of the DFO, Hazaribag West in their respective jurisdictions. Only those trees that are of sufficient height to compromise the requirements of minimal vertical and horizontal clearance from the conductor wires at maximum sag point should be lopped.
- (viii) The gabion plantation of native, palatable species suitable for wild ungulates should be actively promoted by the user agency in collaboration with Jharkhand Forest Department below the power-line in order to avoid invasive species likely to come up due to periodic clearing of vegetation along the power-line.

- (ix) That the amount of Rs. 279.43 lakh shall be deposited by the User Agency into CAMPA account only through <https://parivesh.nic.in> under the relevant head/sub-head which shall be utilized by the State Forest Department through the DFO, Hazaribag West as delineated under the Plan, strictly in accordance with the prevailing norms under the Jharkhand Forest Department.
- (x) That the User Agency shall implement the mitigation measures/activities mentioned under the Plan. The implementation shall be done under the directions and strict supervisions of DFO, Hazaribag West.
- (xi) That the DFO, Hazaribag West shall prepare detailed Annual Plans of Operations (APOs) in the beginning of every financial year during the Plan period, as provided in the instant Plan, following all the rules, regulations, Schedule of Rates etc. issued from time to time by the State Government/ Forest Department. RCCF, Hazaribag in case of DFO, Hazaribag West shall accord sanctions to the said APOs following due process and they will respectively closely monitor the implementation/progress of the activities undertaken by Hazaribag West Forest Division as per directions issued by the Forest Department from time to time.
- (xii) That the CF, Hazaribag shall supervise all the activities under the Plan undertaken by Hazaribag West Forest Division as per directions issued by the Forest Department from time to time.
- (xiii) That the DFO, Hazaribag West shall carry out the activities under the Plan strictly as per the duly sanctioned APOs.
- (xiv) That the DFO, Hazaribag West shall ensure that no violation of duly sanctioned Working Plan of Hazaribag West Forest Division takes place during implementation of any of the activities involved in this plan over notified and demarcated forest land.
- (xv) That the instant Plan is dynamic and shall be revisited after every 2 years and a revised plan may be formulated as per need of the project impacted area and convenience of the implementing agencies. The revised plan, if any, shall be put up before the Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, Jharkhand for its due approval.

- (xvi) That the User Agency shall submit an Undertaking to the DFO, Hazaribag West to the effect that they will deposit extra cost of the plan owing to increase in wage rate, cost of materials etc. in due course of time as well as consequent upon revision of the plan, if any, as and when given effect to by the competent authority.

Sd/-

Principal Chief Conservator of Forests
Wildlife & Chief Wildlife Warden, Jharkhand

Memo No.

Date

Copy forwarded to Deputy Director General of Forests (Central), Ministry of Environment, Forests and Climate Change, Regional Office, Harmu Housing Colony, Ranchi [E-mail: ro.ranchi-mef@gov.in] for information and necessary action.

Sd/-

Principal Chief Conservator of Forests
Wildlife and Chief Wildlife Warden, Jharkhand

Memo No.

Dated:

Copy forwarded to Secretary, Department of Forests, Environment and Climate Change, Govt. of Jharkhand Ranchi/ Principal Chief Conservator of Forests, Jharkhand, Ranchi/ Principal Chief Conservator of Forests-cum-Executive Director, Wasteland Development Board, Jharkhand, Ranchi for Information.

Sd/-

Principal Chief Conservator of Forest
Wildlife and Chief Wildlife Warden, Jharkhand

Memo No.

Dated:

Copy forwarded to Additional Principal Chief Conservator of Forests, CAMPA, Jharkhand, Ranchi with a copy of plan for Information and necessary action.

Sd/-

Principal Chief Conservator of Forests
Wildlife and Chief Wildlife Warden, Jharkhand

Memo No.

Dated:

Copy forwarded to Regional Chief Conservator of Forests, Hazaribagh/ Conservator of Forests, Territorial Circle, Hazaribagh/ Divisional Forest Officer, Hazaribagh West Forest Division for information and necessary action.

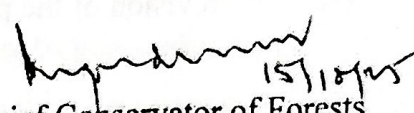
Sd/-


Principal Chief Conservator of Forests
Wildlife and Chief Wildlife Warden, Jharkhand

Memo No. 1137

Dated: 15/10/2025

Copy forwarded to Sri R.K. Tudu, Sr. Manager, DVC, Hazaribagh [e-mail: rajan.tudu@dvc.gov.in] for information and necessary action.


Principal Chief Conservator of Forests
Wildlife and Chief Wildlife Warden, Jharkhand


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ANNEXURE - II

DAMODAR VALLEY CORPORATION

No. TSC-IV/C. S/H. bagh/634

Dated: 02/12/2025

Sub: Diversion of 10.106 ha. of forest land in favour of Damodar Valle Corporation for construction of 132 KV D/C Hazaribagh (Sindhur) Substation of DVC to TSS of East Central Railway, Dhanbad Transmission Line under Hazaribagh West Forest Division in Hazaribagh district of Jharkhand.

Ref: Proposal no. FP/JH/TRANS/120412/2021

UNDERTAKING

We undertake that we will strictly follow the guidelines and provisions set out in the **Zonal Master Plan**, once provided, and will ensure that all necessary steps are taken to prevent any negative impact on the environment during the project's execution.

Date: 02/12/2025

Dy. General Manager (E)
TSC-IV, DVC, Hazaribag
उप महाप्रबंधक (वि)
Deputy General Manager (E)
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