

## Himachal Pradesh Public Works Department

Office of Executive Engineer, Mechanical Division, HP.P.W.D, Dharamshala, Kangra,

Office Phone / Fax Number:- 01892-222111, email ID:- [eeem-dha-hp@nic.in](mailto:eeem-dha-hp@nic.in)

No. PW/MDD/Ropeway/JE(M)/2024-25:- 3558-63

Dated:- 06-03-2025

To,

The Secretary (PW)  
to the Govt. of H.P.,  
Shimla-2.

Subject:-

Periodical inspection report of Aerial Passenger Ropeway between Dharamshala and McLeodganj.

Respected Sir,

Please find enclosed herewith the periodical inspection report of Aerial Passenger Ropeway between Dharamshala and McLeodganj conducted by the undersigned on dated:- 08.01.2025.

This is being submitted for your kind information and favour of further necessary action

please.

DA:- As Above.

Yours Faithfully!

(Er. Rohit Raj Kiran)  
Inspector Ropeway-Cum-  
Executive Engineer,  
Mechanical Division,  
HP.P.W.D, Dharamshala

Copy forwarded to the following for kind information and favour of further necessary action please: -

1. The Chairman Ropeway Expert Committee-Cum-Superintending Engineer, Mechanical Circle, HP.P.W.D, Dharamshala.
2. The Deputy Commissioner, Kangra, H.P.
3. The Superintendent of Police Kangra, H.P.
4. The Nodal Officer / Incharge (IT), O/o the Engineer-in-Chief, HP.P.W.D, Nirman Bhawan, Nigam Vihar, Shimla-2, with a request to upload the same on the official website of the department, as desired by worthy Secretary (PW), to the Govt. of H.P., Shimla-2.
5. M/s Dharamshala Ropeway Limited, Kotwali Bazaar, Near Bye Pass Road, Dharamshala, H.P. 176215. They are directed to undertake the routine maintenance of the ropeway and follow maintenance schedule as prescribed by their technical partner (OEM) M/s Leitner Ropeway Italy with strict adherence. It is also advised to pay special attention to periodic diameter and lay length measurements of the rope. If any abnormality is noticed, the rope may be replaced immediately. Moreover, it is also directed to pursue & expedite the matter regarding stabilization of slope near the foundation of tower No.-4 with concerned authorities. Also, the implementations / corrective measures as incorporated in the detailed report of IIT Bombay should be got implemented from the concerned authority immediately as already directed vide this office letter no. PW/MDD/Ropeway/JE(M)/2024-25-1708-13 dated:- 19.09.2024 and its action taken report / compliance be conveyed to this office at the earliest.

(Er. Rohit Raj Kiran)  
Inspector Ropeway-Cum-  
Executive Engineer,  
Mechanical Division,  
HP.P.W.D, Dharamshala.

**MINUTES OF THE INSPECTION OF AERIAL PASSENGER ROPEWAY BETWEEN DHARAMSHALA AND MCLEODGANJ CONDUCTED BY THE INSPECTOR ROPEWAY – CUM – EXECUTIVE ENGINEER, MECHANICAL DIVISION, HP.P.W.D, DHARAMSHALA ON DATED:- 08.01.2025.**

The subject cited Ropeway was operated and inspected by the undersigned on dated 08.01.2025 from 11:00 A.M. onwards and various systems / components were inspected in detail by operating the Ropeway at variable operating speeds i.e. minimum speed of 2 m/s and maximum speed of 6 m/s. The detailed report is as under:-

1. **Daily routine maintenance of Ropeway:-** The required maintenance is being carried out regularly. Maintenance log books / registers of UTP, LTP and intermediate towers, including electrical equipments were checked and found properly maintained.
2. **Steel Structure:-** All towers seem to be in good condition and painted with antirust paint.
3. **Carriage hangers and cabins:-** Cabins and hangers were visually inspected and found in good condition. During routine daily inspection being carried out by the promoter, main intermediate link pin (at Cabin no. 04) was found malfunctioning & same was immediately replaced with new pin on dated:- 01.11.2024. Also, 01 no. sliding bearing bush (At cabin no. 15) and 02 nos. sliding bearing bush (At cabin no 14) were replaced as a preventive measure on dated 07.11.2024 & 10.11.2024 respectively.
4. **Haulage rope:-** The haulage rope of 42 mm diameter was visually inspected and its splicing portion as well as lay length was checked thoroughly and dimensions at certain tuck points were measured physically with the help of digital vernier caliper and were found within tolerance limit (i.e. 43.4 mm Horizontal & 43.8 mm Vertical on an average). The NDT of haulage rope was carried out by the team of Council of Scientific and Industrial Research (CSIR – CIMFR), Dhanbad on dated:-16.04.2024. As per their detailed report, no abnormal deviation in quantitative and qualitative analysis has been found during investigation and thus, they have recommended further continuation of haulage rope installation till April – May 2025 (i.e. Next date of recommended NDT inspection). The condition of rope was also found satisfactory after visual inspection.
5. **Braking System:-** The functioning of braking system was checked by visual inspection of brake calipers and brake lining which was found to be satisfactory.
6. **Driving arrangement:-** All driving components i.e. driving shaft, driving sheaves, return sheaves and transmission sheaves etc. including other driving arrangement were found properly operational and in order.
7. **Rescue Engine:-** The technical staff was asked to check engine oil level, condition of air filter, fuel pre filter, water separator, heat exchanger, battery water level etc. Thereafter, rescue engine was started and ropeway system was operated on rescue engine at 2200 r.p.m. and engine working was found satisfactory.
8. **Live rescue:-** A mock drill / manual rescue operation was conducted by the Promoter between intermediate tower no. 5 & 6 on dated:- 22.12.2024 for getting familiarized with the functioning of ropeway, rescue equipments and demonstration of rescue in case of handling any emergent situation.
9. **Diesel Generator Set:-** The diesel generator set was started, checked and the ropeway was made to operate on it. During daily routine inspection being carried out by the promoter it was found that turbocharger of 650 KVA DG set was not working properly and the same was got immediately replaced with new one by the promoter on dated:- 20.11.2024.




10. **Fire Fighting Arrangements:-** Adequate numbers of fire extinguishers have been provided at the lower and upper terminal station including other fire fighting equipments like fire hydrant, etc. which have been inspected by the authorities of Himachal Pradesh Fire Department on dated:- 07.08.2023, whose certificate has been issued / renewed for 2 years w.e.f. 17.08.2023 to 16.08.2025 by Chief Fire Officer, Himachal Pradesh, Shimla-2, and has been provided by the promoter.
11. **Visual Inspection of Various safety devices:-** Safety devices on various towers such as Anemometer for measuring wind velocity and wind directions, RPD (Rope position detector), snap bars, etc. were visually inspected. Moreover, visual inspection of rubber liners & various line sheaves and other components was done and were found in good condition.
12. **Electrical System:-** All the Electrical / Electronic equipments / Devices of Ropeway were inspected and found to be in good condition and working properly as per the report of the Executive Engineer, Electrical Division, HP.P.W.D, Palampur conveyed vide his office letter no. PW/EDP/CB/GA2024-2025/-7122-33 dated:-24.02.2025 for assistance provided to the undersigned during the said inspection.

**Thus, the Ropeway was found fit for Public usage as on 08.01.2025.**

With Regards,

Yours Faithfully!

  
(Er. Rohit Raj Kiran)  
Inspector Ropeways-cum-  
Executive Engineer,  
Mechanical Division,  
HP.P.W.D, Dharamshala.