

Himachal Pradesh
Public Works Department

No. PW-MCS-WS-Ropeway Shree Naina Devi Ji/2024-3266-74

Date:- 18/1/25

To


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

Subject: - Annual inspection of Passenger ropeway at Shree Naina Devi Ji.

Sir,


It is submitted that annual inspection of subject cited ropeway was carried out by the ropeway expert committee on 28/12/2024. The minutes of inspection conducted by the ropeway expert committee are enclosed herewith for favour of kind information please.

DA: As above.


Chairman Ropeway Expert Committee-cum-
Superintending Engineer,
Mechanical Circle, HPPWD Dhalli-12.

Copy forwarded for following for necessary action and information please:-

1. The Engineer-in-Chief HP.PWD. NirmanBhawan, Nigam Vihar Shimla.
2. The Nodal Officer, I.T Cell O/o Engineer-in-Chief HP.PWD. Shimla with a request to upload the same on official website.
3. The Chief Engineer HP.PWD. Shimla.
4. The Superintending Engineer, 10th Circle, HP.PWD., Bilaspur Himachal Pradesh.
5. The Superintending Engineer Electrical Circle HPPWD Dharamshala, Himachal Pradesh.
6. The ropeway inspector cum Executive Engineer, Mechanical Division HPPWD Bilaspur
7. The Executive Engineer B&R Division, HPPWD Bilaspur Division No, II
8. M/s. Ganpati Ropeways Pvt. Ltd. PP. Shree Naina Devi Ji. Distt. Bilaspur Himachal Pradesh-174310 for information and necessary corrective measure may be taken as per the inspection report enclosed.


Chairman Ropeway Expert Committee-cum-
Superintending Engineer,
Mechanical Circle, HPPWD Dhalli-12

MINUTES OF THE ANNUAL INSPECTION OF SHRI NAINA DEVI JI AERIAL PASSENGER ROPEWAY CONDUCTED ON 28 DEC.2024 BY THE EXPERT COMMITTEE.

The Expert committee comprising of following officers conducted the annual inspection of passenger aerial ropeway at Shri Naina Devi Ji in the District Bilaspur on 28-12-2024.

1. Er. C.D. Thakur	S.E. Mech. Circle H.P. P.W.D. Shimla	Chairman
2. Er. Jeet Ram Thakur	S.E. 10th Circle H.P.P.W.D. Bilaspur	Member
3. Er. Sanjay Kumar	S.E. Electrical Circle HP.PWDDharamshala	Member
4. Er. K.K. Rawat	E.E. Mech. H.P.P.W.D. Bilaspur	Member Secretary
5. Er. Ranjan Gupta	E.E.H.P.P.W.D. Div. No. II Bilaspur	Member

The Expert committee has carefully inspected the various Civil, Mechanical and Electrical components of the passenger ropeway and the observations of the committee are as under:-

MECHANICAL SYSTEM:-

- 1. Daily routine maintenance of Ropeway:** - The required maintenance is being carried out regularly. Maintenance chart of U. T. P. & L.T.P. including electrical equipment were checked and found properly maintained.
- 2 Carriage hangers and cabins:** - New Cabins has been fitted in the ropeway. The Cabins were inspected by the committee and certain observations were made which has been communicated to the management of the company vide letter no.3258-60 dated 14/1/2025 for removing the defects before starting the commercial operations of the new cabins.
- 3 Haulage rope:** - The haulage rope was found properly aligned. The new rope was installed during November 2019.The NDT of haulage rope has been done by CIMFR Dhanbad on 24th & 25th July 2024 and they have recommended further continuance of this rope till next NDT which is due during July 2025.
- 4 Driving arrangement:** - All the driving arrangement were checked and found operational.
- 5 Magnetic particle and ultrasonic testing of ropeway components:** -The Ultrasonic test and Magnetic particle examination of vital Ropeway components was got done by the promoters from M/S Calcutta Metal Testing Laboratory on dated 26-08-2024 to 31-08-2024 and the results were satisfactory. The next NDT is due in **March 2025**.
- 6 Rescue Engine:** - The rescue engine was got started and checked. The last live rescue operation was performed satisfactorily in presence of inspector ropeway and live rescue also got conducted in the presence of NDRF personnel on dated 30-08-2024 and found working properly.



- 7 **Lower and Upper Terminal:** - The ropeway components at lower and upper terminal were inspected. Both terminals were properly maintained.
- 8 **Emergency System:** - All the emergency system including thruster brakes were checked and found in order.
- 9 **Passenger Insurance Policy:** - Passenger Insurance Policy checked and found valid up to 26-03-2025.

ELECTRICAL INSTALLATION

- 1 **Electric Generator Set (Diesel):** - The Electric Generator Set (Diesel) 200 KVA Capacity coupled with Cummins engine manufactured by M/S Jakson Ltd. Gujarat has been installed and put in use. The services of Generator set are required during power failure. The Generator set was started on load and found working satisfactorily.
- 2 **The Electronic and EI components:** - The Electronic and Electrical components were checked and tested by M/s. TruCal metrology services Ambala City on dated 08-07-2024 and as per their reports the system were found working properly. The next EI inspection is due in Jan 2025 for which promoters has been advised to get it done on or before the scheduled date.

CIVIL COMPONENTS

- 1 **Foundations:** - As per the visual inspection the foundation of all the towers and all other structure at starting point and at the top seems to be intact and safe. No disorder or crack has been seen in the civil structures.
- 2 **Steel Structures:** - All the steel structure i.e. Towers and other steel structures (at the lower and upper station) seems to be intact and in good conditions.

Suggestions to promoter:


The following suggestions are made by the expert committee.

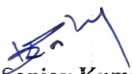
- A. The ropeway company has installed New Cabins in the Ropeway system. The expert committee has inspected the cabins and following suggestions are made.
1. It is suggested that the open windows of the cabin be provided with toughened glass/Acrylic sheets of reputed quality preferably with slider arrangement to prevent rain & dirt entry in the cabins.
 2. Special attention be paid to daily checks of Frame Grid of the cabin and hooks and pins.
- B. Remaining suggestions of IIT Roorkee may be implemented in the phased manner.
- C. The Ropeway inspector & SE Electrical should be informed at least 15 days before conducting any tests so that the departmental engineer can deputed at site at the time of testing of equipments as per maintenance manuals of various equipment installed .
- D. Rubber mats in the control panel room and Generator room be replaced.

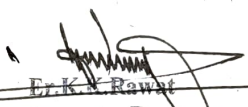


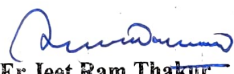
- E. Display of Trolleys location in the control panel need to be checked and fixed as the same was not working.
- F. Change over switch (installed in lower floor) should be installed along with Generator set in the main control Room at upper floor.
- G. The D.G. Set installed should be checked periodically twice in a month and proper record be maintained.
- H. First Aid kit be provided in the control panel & Generator room
- I. The wet shoes of persons entering the control Room caused water drenched floor in the control room. Door mats should be provided to stop it & keep the control room floor dry. The repairs of main shed over the equipment area is required to be carried out and proper drainage of rain water be ensured to obviate any possibility of rain water falling on installed equipments & avert any hazards.
- J. All the cabins must be properly Numbered.


Conclusion:- Keeping in view of the above, the expert committee in of the opinion that the aerial passenger ropeway is fit for public traffic. However the management of the ropeway has been advised to implement the suggestions (D), (G), (H), (I) and (J) with in a period of 15 days and report compliance so that the same could be verified. Other suggestions be also implemented in phased manner.


Er. Ranjan Gupta ^{kumar}
Executive Engineer
H.P.P.W.D. Din. No. II
(Member)


Er. Sanjay Kumar
Superintending Engineer
Elect. Circle HP.PWD Dharamshala.
(Member)


Er. K. K. Rawat
Inspector Ropeway-cum- Executive Engineer,
Mechanical Division HP.PWD;
Bilaspur (HP)
(Member Secretary)


Er. Jeet Ram Thakur
Superintending Engineer ,
10th Circle H.P.P.W.D. Bilaspur
(Member)


Er. C. D Thakur
Superintending Engineer,
Mech. Circle H.P.P.W.D. Shimla
(Chairman)