

Himachal Pradesh
Public Works Department

No: PW/MCD/WS/Solang Ropeway/2024-25 2164-71

Dated : 11/11/24

To

The Secretary (PW)
Govt. of Himachal Pradesh
Shimla-171002

Subject:

Inspection report of Aerial Passenger Ropeway cum Ski Centre at Solang,
Tehsil- Manali Distt. Kullu H.P. by the Expert Committee.

It is intimated that the inspection of subject cited ropeway was carried out by the Expert Committee on 07/11/2024. The proceeding of the inspection report (in original) conducted by the Expert Committee is enclosed herewith for favour of kind information please.

DA : As above.

Chairman Expert Committee
Cum- Superintending Engineer
Mechanical Circle
HPPWD Dharamshala

Copy forwarded to –

1. The Engineer-in-Chief, HPPWD, Shimla-2 for kind information please.
2. The Superintending Engineer, 6th Circle HPPWD, Kullu along with copy of proceedings for information.
3. The Superintending Engineer, Electrical Circle, HPPWD Kasumpti, Shimla along with copy of proceedings for information.
4. The Inspector Ropeway cum Executive Engineer, Mechanical Division, HPPWD, Kullu along with copy of proceedings.
5. The Executive Engineer, B&R Division, HP.PWD Manali along with copy of proceedings for information.
6. I.T. Cell O/o Engineer-in-Chief HPPWD Shimla along with copy of proceedings with a request to upload the same on official website.
7. M/S Ski Himalayas Ropeway Pvt. Ltd, Solang P.O Palchan , Tehsil- Manali, Distt- Kullu, H.P for information.

Chairman Expert Committee
Cum- Superintending Engineer
Mechanical Circle
HPPWD Dharamshala

MINUTES OF THE INSPECTION OF AERIAL PASSENGER ROPEWAY CUM SKI CENTRE AT SOLANG, TEHSIL MANALI DISTT. KULLU H.P. CONDUCTED ON 07.11.2024 BY THE EXPERT COMMITTEE:-

1 Er.B.P.Sharma	Superintending Engineer, Mechanical Circle, HPPWD, Dharamshala.	(Chairman)
2. Er. Jitender Gupta	Superintending Engineer, 6th Circle, HPPWD, Kullu.	(Member)
3. Er. Rakesh kumar	Superintending Engineer, Electrical Circle, HPPWD, Kasumpti, Shimla	(Member)
4. Er. Anup Sharma	Executive Engineer, B&R Division, HPPWD, Manali at Katrain	(Member)
5. Er. G. L. Thakur	Inspector Ropeway-cum- Executive Engineer, Mechanical Division, HP PWD Kullu	(Member Secretary)

The Expert Committee carried out the inspection of Aerial Passenger Ropeway cum Ski Centre at Solang. Tehsil- Manali Distt. Kullu H.P on 07.11.2024 and the observations of the committee are as under:-

1. Daily routine maintenance of Ropeway: As per the Maintenance Log Books / Registers of U.T P., L.T.P. intermediate towers and other components inspected by the committee, the routine maintenance of ropeway is being carried out regularly and found properly maintained.

2. Cabin and hangers:- Cabins, hangers and grips were visually inspected and found in good condition.

3. Haulage rope:-The haulage rope was visually inspected and its splicing portion was checked and found in satisfactory condition. The tensioning device was found working satisfactorily. The NDT of haulage rope was carried out by the team of Council of Scientific and Industrial Research (CSIR-CIMFR), Dhanbad during 14/04/2024. The report revealed no abnormal deviation in qualitative and quantitative analysis and recommended further continuance of this haulage rope in the installation and suggested next NDT to be carried out during April-May 2025. Replacement of Ropes to be done as per requirement of OEM.

4. Ultrasonic and Magnetic particle testing:- Ultrasonic examination of critical items namely weld joints at G-2 for Bull Wheel Bottom Side, Bull Wheel plate cracks & Bull Wheel Upper Side cracks & at G-1 for Arrival side main structure, Exit side main structure, back side bracket, bracket lorry, Hydraulic shaft pin and at Tower No. 1 to 8 and Magnetic particle test Examination of G-2 Station for Bull Wheel upper side has been conducted and no relevant indication was observed and finding were found acceptable.

5. Driving arrangement:- The ropeway components at lower and upper station i.e. support structure, main drive consisting of bull wheel, driving shaft, driving sheaves and transmission sheaves and return bull wheel etc. including others driving arrangement were found properly operational and in order. As per the maintenance log books/registers the preventive maintenance is being carried out by the promoter as per requirement from time to time.

6. . 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 and was found working satisfactorily.

7. Rescue Equipment:- Rescue equipments were checked and found in order.

8. Braking System:- The functioning of emergency brakes and service braking system was checked and found working effectively.

9. As per maintenance log books/registers of various electrical equipments, they were found to be properly maintained.

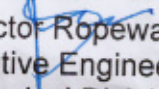
10. The Electronic and EI components including electrical control panels, limit switches were visually inspected & found to be in order and their annual testing reports were checked and were found in order

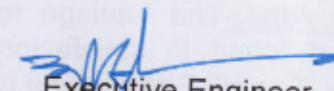
11. Fire Fighting Arrangements:- Adequate number of fire extinguishers have been provided at the lower and upper station including other fire fighting equipments like fire hydrant etc.

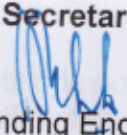
12. Civil Structures:- As per the visual inspection the Civil Structures i.e. station towers, intermediate towers, equipment support structure at both the stations were found to be intact & safe and in good condition.

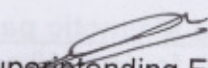
13. Foundations:- As per the visual inspection the foundation of all the towers and all other structure at lower and upper station seems to be intact and safe. No disorder or crack has been seen in the Civil Structures.

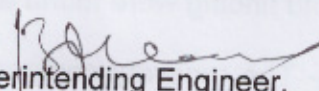
Keeping in view of the above, the expert committee is of the opinion that the aerial passenger ropeway is fit for public traffic.


Inspector Ropeways-cum-
Executive Engineer,
Mechanical Division,
HP.P.W.D. Kullu.
(Member Secretary)


Executive Engineer,
B&R Division,
HP.PWD Manali.
(Member)


Superintending Engineer.
Electrical Circle.
HP PW.D. Shimla.
(Member)


Superintending Engineer
6th Circle,
HP.PW.D. Kullu.
(Member)


Superintending Engineer,
Mechanical Circle,
HP.P.W.D, Dharamshala
(Chairman)