

**Himachal Pradesh
Public Works Department**

PWMC-(I)011/4/2025-S.E

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 25/09/2025. The proceeding of the inspection report (in original) conducted by the Expert Committee along with checklist is enclosed herewith for favour of kind information please.

DA : As above.

**Signed by Baini Prasad
Sharma**

Date: 14-10-2025 15:02:58

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.

Signed by Pradyuman Singh

Date: 14-10-2025 15:09:36

Assistant Engineer
O/o Superintending Engineer,
Mechanical Circle,
HP PWD Dharamshala

MINUTES OF THE INSPECTION OF AERIAL PASSENGER ROPEWAY CUM SKI CENTRE AT SOLANG, TEHSIL- MANALI DISTT. KULLU H.P. CONDUCTED BY THE EXPERT COMMITTEE ON DATED 25.09.2025

The Expert Committee comprising of following officers conducted the Inspection of Aerial Passenger Ropeway cum Ski Centre at Solang, Tehsil- Manali Distt. Kullu H.P. on dated 25.09.2025 and following were present.

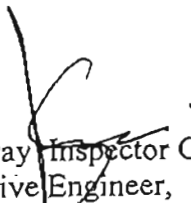
1. Er. B.P.Sharma, Superintending Engineer, Mechanical Circle, HP.P.W.D, Dharamshala. (Chairman)
2. Er. Rakesh kumar ,Superintending Engineer, 1st Electrical Circle, HP.P.W.D, Kasumpti, Shimla (Member)
3. Er. Jitender Gupta, Superintending Engineer, 6th Circle, HP.P.W.D, Kullu (Member)
4. Er. Anup Sharma ,Executive Engineer , B&R Division, HP.P.W.D, Manali (Member)
5. Er. G.L. Thakur, Ropeway Inspector-cum- Executive Engineer Mechanical Division HP.P.W.D 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 25.09.2025 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 M/S Cables & Inspections, ZAC de la Grande lie TECHNIPARC 395, rue du Docteur Marmonnier 38190 VILLARD-BONNOT on dated 17.03.2025. The report revealed no abnormal deviation in qualitative and quantitative analysis and recommended further continuance of this haulage rope.
4. **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.
5. **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.
6. **Rescue Equipment:-** Rescue equipments were checked and found in order.


7. **Braking System:-**The functioning of emergency brakes and service braking system was checked and found working effectively.
8. **Diesel Generating Set:-**The services of Generator set is required during power failure. This DG set is maintained by the Ropeway operator properly. The Generator set was started and ropeway system was made to run on it and found working satisfactorily.
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.

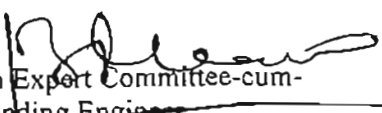
Keeping in view of the above, the expert committee is of the opinion that the aerial passenger ropeway is fit for public traffic.


Ropeway Inspector Cum,
Executive Engineer,
Mechanical Division,
HP.P.W.D. Kullu.
(Member Secretary)


Executive Engineer,
B&R Division.
HP.P.W.D. Manali.
(Member)


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


Superintending Engineer,
1st Electrical Circle,
HP.P.W.D. Kasumpti, Shimla
(Member)


Chairman Expert Committee-cum-
Superintending Engineer,
Mechanical Circle,
HP.P.W.D. Dharamshala.

**CHECK LIST FOR PERIODIC INSPECTION OF AERIAL PASSENGER ROPEWAY
CUM SKI CENTER AT SOLANG, DISTRICT KULLU.**

	Type of Inspection-Quarterly/Half Yearly/Yearly(please tick)		
A	General Description		
1	Name of Aerial Ropeway	Aerial Passenger Ropeway cum Ski Centre at Solang, Teh. Manali, Distt. Kullu H.P.	
2	Location	Solang	
3	Name of Promoter	M/s Ski Himalayas Ropeway Pvt. Ltd. Manali.	
4	Year of Installation	2010	
5	Type of Ropeway	Mono Cable Detachable Grip	
6	Span	1200 Mtr.	
7	No. of Cabins	19 Nos	
8	Capacity of each Cabin	8 Passengers.	
B	Inspection of Records/Logbooks/Maintenance Register		
S. No.	Description	Status Checked	Remarks
1	Daily Log Sheet	Checked & found OK	
2	Daily Maintenance Log Book	— d. —	
3	Weekly Maintenance Sheet	— d. —	
4	Two Weekly Maintenance Sheet	— d. —	
5	Quarterly Maintenance Sheet	— d. —	
6	Half Yearly Maintenance Sheet	— d. —	
7	NDT Test Report, USR/MPE, test reports of critical components (half yearly) from NABL approved lab	NA.	
8	Electrical/Electronic/D.G set/Rescue engine test Report	Checked & found OK.	
9	Annual NDT testing of Haulage Rope from CSIR/CIMFR Dhanbad	Yes conducted on 17.03.25	

10	Annual NDT testing of Track Rope from CSIR/CIMFR Dhanbad	N/A	
11	Status of passenger insurance etc.	Available	

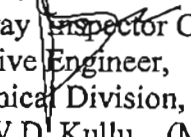
C: Technical Inspection (Mechanical)

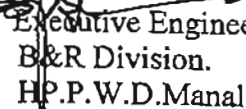
S. No.	Description	YES/NO/NA	Remarks
1	Is daily maintenance register maintained properly?	Yes	
2	Is cleanliness maintained at LTP/UTP?	Yes	
3	Is NDT for haulage rope due?	No	
4	If answer to (3) above is yes then has NDT conducted?	N.A	
5	Is NDT for track rope due?	N.A	
6	If answer to (5) above is yes then has NDT conducted?	N.A	
7	Is haulage rope safe for operation as per NDT?	Yes	
8	Is track rope safe for operation as per NDT?	N.A	
9	Is the main drive system checked?	Yes	
10	Is the main drive system working smoothly?	Yes	
11	Is NDT test for vital components of drive system such as main drive sheave, shaft, couplings etc due?	No	
12	If answer to (11) above is yes then has NDT conducted?	N.A	
13	If answer to (12) above is yes then Is the results of NDT for drive system satisfactory?	N.A	
14	Is the reduction gear system checked?	N.A	


15	Is any leakage of oil noticed from any part of the drive system/gears?	No	
16	Is rescue/backup engine provided?	Yes	
17	Is rescue/backup engine started and ropeway operated by rescue/backup engine?	Yes	
18	Are civil/steel structures at LTP/UTP and intermediate towers checked?	Yes	
19	Is NDT for civil structures/towers conducted?	No	
20	If answer to (19) above is yes Is the result satisfactory?	N.A	
21	Is service brake checked?	Yes	
22	If answer to (21) above is yes Is the brake working properly?	Yes	
23	Is emergency brake checked?	Yes	
24	If answer to (23) above is yes Is the emergency brake working properly?	Yes	
25	Is live rescue operation conducted by the staff of the ropeway?	Yes	
26	If answer to(25)above is yes then Is the rescue operation smooth and quick?	Yes	
27	Is any joint mock exercise conducted with the NDRF/Police and Administration?	Yes	
28	Is counter weight/tensioning system checked?	Yes	
29	Are the sheaves of cabin hangers checked?	Yes	


30	Is cabin grip system checked?	Yes	
31	Is mechanical system/return wheel sheave and shafts checked?	Yes	
32	Is locking system of the cabin checked?	Yes	
33	Are haulage/track ropes visually checked at LTP and UTP for any abnormal wear and tear?	Yes	
34	Are any cracks/damage noticed in any Civil/RCC structures at LTP/UTP or intermediate towers?	No	
35	Is testing of Electrical/Electronic components due?	No	
36	If answer to (35) above is yes then Is the testing of the same conducted?	N/A	
37	Is main DC motor checked for smooth operation?	Yes	
38	Is earthing of all the electrical components systems checked?	Yes	
39	Are lightening arresters properly installed?	Yes	
40	Is proper insulation provided on all the wiring systems?	Yes	
41	Is the operator's room/cabin clean and well maintained?	Yes	
42	Is speed and other parameters observed in the control panel/console?	Yes	
43	Is rate list displayed in the LTP/UTP ?	Yes	
44	Are mobile numbers of operator/in-charge Ropeway displayed in all the cabins?	Yes	
45	Is mobile number of Inspector Ropeways displayed at LTP/UTP?	Yes	

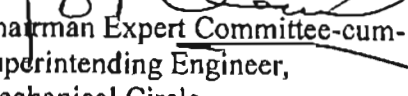
46	Are inspection certificates displayed at LTP/UTP?	Yes	
47	Are inspection certificates displayed in each cabin?	Yes	
48	Are all the staff of the ropeway in the proper dress/badges?	Yes	
49	Is any communication system provided in the cabins?	Yes	
50	Are marking balloons/flags provided along the line/on the towers of the ropeway?	No	
51	Are fire extinguishers installed ?	Yes	
52	Is enough staff deployed at LTP/UTP?	Yes	
53	Is any public address system provided?	Yes	
54	Is overall maintenance of the ropeway satisfactory?	Yes	
55	Any other items, if any, may be checked which are not included in the checklist?	Yes	


 Ropeway Inspector Cum,
 Executive Engineer,
 Mechanical Division,
 HP.P.W.D. Kullu. (Member)
 (Member Secretary)


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 HP.P.W.D. Kasumpti, Shimla
 (Member)


 Chairman Expert Committee-cum-
 Superintending Engineer,
 Mechanical Circle,
 HP.P.W.D. Dharamshala.