

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

No. PW/MDS/DB/Ropeway Jhakhu-1st Qtr Insp. /2026-05-14.

Dated: 6/4/2026.

To

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

Subject:- Periodical Inspection report of Aerial Ropeway installed at
Jakhu , Distt Shimla , H.P.

Respected Sir,

The above subject cited ropeway having span of 410 m , 4
Nos of cabins with capacity of 6 nos of persons/ cabin@480 Kg/cabin,& max.
speed 3.5 m/sec with mono cable Zig-back system , has been inspected by the
under signed on dated: 01.04.2026 as per the following specific checks as
detailed below :-

Check list :-

- Check List register for daily maintenance ✓
- D.G. set register for daily maintenance ✓
- Daily log book ✓
- Earthing Resistance values check up register (weekly) ✓
- Major repair record ✓
- Haulage system as per visual inspection ✓
- Cabins visual inspection ✓
- Sheave shafts ✓
- Track rope ✓
- Rope sag ✓
- Safety Balls ✓
- Staff uniform and designation ✓
- Insurance per person to the capacity of cabin ✓
- Dummy rescue operation ✓

1. RECORD OF MAINTENANCE ACTIVITIES:

All of the entries of the daily, weekly and monthly maintenance records have been thoroughly inspected and are observed maintained by the promoter and the records/entries were checked with verification of values by a trial run of this ropeway where it was observed that the values are so close to the existing record regarding every units.

2. MAIN DRIVE SYSTEM:

The Gear Box, DC Motor, couplings, all drive shafts and generator all were inspected, trialed and observed in good running condition without having any of the defects in drive line including torsion, shear and bouncing etc. at joints and couplings lines as on the date.

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3. NDT's of MECHANICAL SYSTEM:

The NDT tests of all the vital components such as Main drive sheave, main drive shaft, all sheaves with their collars and couplings, locking keys and cotters, upper/ lower- station structures, hangers, cabins etc. consist executed and the same are valid up to 30th of June 2026.

4. TRACK ROPES, HAULAGE ROPES AND ROPE TENSIONING DEVICE AND ITS ALLIED ACCESSORIES

All of them have been trialed & visualized very close to the perspective of the situation where all of them were observed responsive and accurately functioning on the date of inspection.

5. BRAKE SYSTEM:

The system has been observed quite responsive/functioning as on the date of inspection.

6. CIVIL STRUCTURE:

All the civil structure (Concrete/steel) including the counter weights blocks were physically inspected were found in satisfactorily responding to the sag of the rope track with respect to slope & weight.

CORRECTIVE MEASURES TO BE TAKEN:

1. All of the towers must painted , as they are appearing fainted in observation.
2. Tower 1 & Tower 2 must be provided with electric/solar lights on them.
3. All of the civil structures at upper station have become faded one in colors with rusting of surfaces ,therefore please painted to the gloss of appearance.
4. The track rope need complete greasing and the haulage system needs re-alignment rubber sheeves to counter the noise & re painting the train of pulleys with proper lubrication at all the bearings of their's.
5. The basement of the towers of the ropeway must be time to time monitored with prevention of water logging , water sipping and drains be kept clean so as to transit such circumstances of water.

CORRECTIVE MEASURES TAKEN ON PREVIOUS QUARTER INSPECTION:

1. The attempts to resolve the issue of the tree in between the track ropes be speedily taken with the authorities concerned so as to ensure the safety of traversing cabins –as a consequence the though the attempt is trialed yet the tree still hangs on there ,hence this point must be again dealt with seriousness.

2. The attempt to modify the exhaust tail of the rescue Engine has so far been

CONCLUSION: -The Ropeway, has so far been observed so good in working on the date of inspection of it ,yet attentiveness and vigilance of the deployed staffs at site is further required as the ropeway is on its peak season working period so as to prevent any malfunction of the ropeway. The certificates of fitness have also been issued for all 4 Nos. of cabins, besides both the stations too been provided /pasted with the same at a point clearly visible to the passengers over there.

Yours Faithfully

Inspector Ropeways-cum
Executive Engineer
Mechanical Division
HP.P.W.D, Dhalli, Shimla-12

Copy forwarded to the following for information & necessary action please:

1. The Deputy Commissioner, Shimla, H.P.
2. The Superintendent of Police, Shimla, H.P.
3. The Engineer-in-Chief, Nirman Bhawan, HPPWD, Shimla-2
4. The Chief Engineer (S/Z), Nirman Bhawan, HPPWD, Shimla-2
5. The Chairman Ropeway Expert Committee-cum-Superintending Engineer, Mechanical Circle, HPPWD, Dhalli, Shimla-12.
6. The Superintending Engineer, 4th Circle, HPPWD, Shimla.
7. The Superintending Engineer, Electrical Circle, HPPWD, Kasumpti, Shimla.
8. M/s Jagson International Ltd Ropeway Distt. Shimla (H.P), for information and necessary action. They are further directed to undertake the routine effective maintenance of this ropeway as per the above curative measures and report all to the undersigned upon remedial action taken please.
9. The IT Cell ,Nirman Bhawan, HPPWD, Nigam Vihar, Shimla-2 and requested further to please upload/publish/display the copy of the report on the departmental web/portal.



Inspector Ropeways-cum
Executive Engineer
Mechanical Division
HP.P.W.D, Dhalli, Shimla-12