

**HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT**

No. PW/MDS/DB/Ropeway Parwanoo-1<sup>st</sup> Qtr Insp. /2026- 109-18

Dated: 10.4.26

To

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

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

Respected Sir,

The above subject cited ropeway having span of 1675 m , 2 Nos of cabins having max. capacity of 16 nos of persons(15 passengers+1attendent) / cabin @1088 Kg/cabin as per the design & frequently proclaimed by the promoter, max. speed 3.5 m/sec(both cabins) with Bi-Cable system, has been inspected by the undersigned on 04.04.2026 in nexus to the 1<sup>st</sup> quarter inspection for the current year regarding this ropeway and the detailed report of inspection follows as 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 PERTAINING TO THIS ROPEWAY:**

The daily maintenance record which in day to day filled state pertaining to this ropeway have been thoroughly inspected post the previous quarter inspection. It has been appraised to the undersigned that the most of the activities are being carried out between 8:45 am to 9:30 am and recorded prior to the situation of commissioning & recommending the ropeway for transportation initiation.

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## 2.MAIN DRIVE SYSTEM:

The Gear Box, DC Motor, couplings, all drive shafts, generating D/c Drive, the drive (all were inspected, trialed at different modes of load ) the drive system and the Mechanism has been observed in good running condition and working without any trouble.

## 3.NDT'S OF MECHANICAL SYSTEM:

The NDT tests of Sheeve Shaft, Track Rope ,Haulage system and the electrical check etc. all hold validity up to may/june and have been advised to be reevaluated well before the expiry date. All of these tests as per the record has been conducted by the M/s SARRC Test House, Faridabad on dated 14/08/2025 and having validity up to may/june2026 as per the record.

## 4.CONTROL PANEL UNIT:

The unit has been found in perfect working condition as being the index of the ropeway, all kinds of reception of sensitivity of all vital sensors were observed and displayed on the screen of it along with the beeps during the momentum of the ropeway over all the towers.

## 5.ROPES , HAULAGE ROPES AND ROPE TENSIONING DEVICE AND ITS ALLIED ACCESSORIES:

The track rope of 43mm diameter was visually inspected while traversing up and down & found to be working satisfactorily with good condition without any jerks. The supporting towers and accessories including at lower and upper station anchoring level were all found working satisfactorily. Besides the N.D.T tests of haulage ropes, Track Ropes and rope tensioning device etc has been conducted and stand as below as per their validity/due dates detailed as below :

Sr. No.	Description of Items	Date of NDT	Agency	Validity	Remarks
1	Haulage Ropes	Tests already done on 19-06-2025	C.I.M.F.R Dhanbad	May/June/2026	The test reports must be re-evaluated well before the due date.
2	Track Ropes	Tests already done on 19-06-2025	C.I.M.F.R Dhanbad	May/June/2026	.....Do.....
3.	Elelecrical checks	Tests already done on 19-06-2025	Prithvi Power Engineers	May/June/2026	.....Do.....
4	Sheeve Shaft	Tests already done on 19-06-2025	.....Do.....	May/June/2026	.....Do.....

## **6. BREAK SYSTEM:**

The break system has been thoroughly inspected on the date of inspection while running this ropeway under loads variation conditions. The breaks are being observed working properly and timely responsive to the situation at the time of inspection. The leather thickness and the allied parts are also in good condition.

## **7. ELECTRICAL SYSTEM AND FIRE FIGHTING SYSTEM:**

All the electrical and electronic components viz. DC Drive Panel, main console panel, PLC and AC drive, all connections, switches, power switch bus, earthing connections also inspected there has not been observed any current leakage/power loss and any malfunction etc. It was apprised to the undersigned that all the Electrical and Electronic components have been tested and checked by M/s Prithvi Power Engineers Pvt. Ltd. on dated 19.06.2025 and the performance has been found satisfactory having the validity till May/June 2026 as per the pursuance by the promoter.

## **8. CIVIL STRUCTURE:**

All the civil structure (Concrete/steel) including the counter weights blocks, grounded balancer wheels and bases were physically inspected and were found in satisfactory conditions and no any kind of load twist and cracks on ground surface were detected as per the visual inspection, all these components were tested by M/s SAARC Test House, Faridabad on 19.06.2025 and the test reports of the same are valid till may/june, 2026 as per the record.

## **9. CORRECTIVE MEASURES TAKEN IN NEXUS TO PREVIOUS QUARTER**

The necessary directions given regarding the routine checkup of susceptible parts of the mechanism have been observed attended yet the routine format as a reckoner on an excel format is yet awaited.

### **CORRECTIVE MEASURES TO BE TAKEN:**

1. The Ropeway is bi-cable there must be a regular inspection as well as observance of all the moving parts (critical) and drive systems including coupling and keys and cotters etc. must be daily examined (to the level of truthfulness response) after the ropeway is set idle on a closer and proper appearance of such abnormalities which may further spoil the trust of its allied spares. Therefore the operator need to be very careful regarding the safety, confidence of the traveler and the ease of running this ropeway trouble free.

2. The maintenance of deflection sheaves or liners of the over hauling must be checked regarding derailment of ropes, fasteners at upper & lower station and damage of sheaves if there any may need to be attended immediately irrespective of running the ropeway and also must be recorded with information to undersigned.

3.The track rope, idlers and the alignment of haulage system along with the variations in sag of the track ropes proportional to the weight of traversing cabins must be experienced/ analyzed by the additional ropeway staff sitting /occupying space in the cabin , as he is the lone & key person that keeps up motivational level of the passengers for traversing the ropeway.

**Recommendation:** The speed of the ropeway must not at any instance be allowed to cross the limit of 3.5 m/sec owing to the persisting slope in this ropeway as the span .


**CONCLUSION:** -The Ropeway, so far has been observed so good in working on the date of inspection ,yet attentiveness and vigilance of the deployed staffs at site is required as the ropeway is on it's peak working season period so as to prevent any malfunction of the ropeway, the promoter has been well directed regarding display of emergency call contact numbers and the certificates of fitness has also being issued for all 2 No. of cabins and at both the stations with clearly visible to the passengers.

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, Solan, H.P.
2. The Superintendent of Police, Solan, 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, 3<sup>rd</sup> Circle, HPPWD, Solan.
7. The Superintending Engineer, Electrical Circle, HPPWD, Kasumpti, Shimla.
8. M/s Asia Resorts, Timber Trail Parwanoo, Distt. Solan (HP) International Ltd Ropeway Distt. Solan (HP), for information and necessary action. They are directed to undertake the routine effective maintenance of this ropeway as per the above curative actions to be taken please and arrange the due falling tests in this ropeway well prior to last date.
- ✓ 9. The IT Cell ,Nirman Bhawan, HPPWD, Nigam Vihar, Shimla-2 and further requested to please upload/publish/display the copy of the report on the departmental web/portal.



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