

**F.No. 10-10/2016-IA-III**  
**Government of India**  
**Ministry of Environment, Forest & Climate Change**  
**(I.A. Division)**

Indira Paryavaran Bhawan  
Aliganj, Jorbagh Road,  
New Delhi -110003

**Telefax: 011: 24695398**  
Dated: 6<sup>th</sup> January, 2017

To,

**Shri S Subba Rao**  
Project Head,  
M/s Dharmshala Ropeway Ltd.  
H.No: 12, Shiv Vihar Ramnagar,  
Dharamshala- 176215,

E-mail: akapoor@tata.com; dslropeway@gmail.com ; Fax.: 22-66100520;

**Subject : Passenger Ropeway between Dharamshala to Mc Ledoganj, District Kangra, Himachal Pradesh by M/s Dharmshala Ropeway Ltd– Environmental Clearance**

**Ref.: Your online proposal no. IA/HP/MIS/38962/2016 dated 6.9.2016.**

Sir,

This has reference to your online proposal No. IA/HP/MIS/38962/2016 dated 6.9.2016 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report and public hearing report regarding above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that the proposal is for setting up of Passenger Ropeway between Dharamshala to Mc Ledoganj, District Kangra, Himachal Pradesh by M/s Dharmshala Ropeway Ltd. The land requirement for the proposed project is about 2.2438 ha. Out of which, forest land is involved in 1.6958 ha land. MoEF&CC, Regional Office at Dehradun vide letter no 8 B/H P B/ H P B/ 09/41/2016/1026 dated 23<sup>rd</sup> September, 2016 has granted stage – I forest clearance for diversion of 1.6958 ha of forest land in favour of M/s Dharamshala Ropeways Ltd. It is reported that no eco-sensitive places and national park/wildlife sanctuary is located within 15 km. Cost of project is Rs.144.9 Crore. The Latitude and Longitude of the Lower Terminal and Upper Terminal are given below:

**LOCATION OF ROPEWAY**

Terminal	Northing	Easting
LTP	32°13'12.01"N	76 ° 19' 01.14" E
UTP	32°14'4.21"N	76°19' 27.73"E

3. The project envisages construction of buildings at two ends namely Lower Terminal Point (LTP) and Upper Terminal Point (UTP) of Ropeway Systems for boarding/de-boarding of passengers and other

infrastructures i.e. ticket counters, waiting area, toilet facilities, medical emergency room etc. The broad parameters of the ropeway are given below:

S.N.	Item	Parameters
1	System	Mono-cable Detachable Gondola
2	Capacity(Designed), PPHPD (Passengers per hour per direction)	Minimum 600 and max. 1000 @ max speed
3	Line speed, m/sec	0 to 6
4	Horizontal distance between stations rail back loop crs, m	Approx. 1900 m
5	Vertical rise, m	360 m
6	Line gauge, m	5, 3
7	Capacity of cabin, persons	6 – 8
8	Cabin Spacing, m	288 m
9	Total no of cabins (minimum), in no.	18 to 24
10	Travel time one way, min	4 min 58 sec
11	Type of cabin	Fully enclosed cabin with ventilation. Door operation – automatic
12	Hauling rope 45mm6x19(so) or operation –	45mm6x19(s) 1960N/mm <sup>2</sup> ,,
13	Main drive motor, KW	343 KW, AC variable speed 0- 1500rpm
14	Boarding/Deboarding	In motion. Speed should not be more than 0.3 m/sec. Cabin should be guided.
15	Handling of cabin in station	Cabin conveyor system
16	Auxiliary drive (diesel engine) for emergency, HP	25, AC
17	Line speed with emergency engine, m/sec	1.5 (Max)
18	Line Rescue System	At least two systems
19	D.G. set at Lower station in KVA for drive unit 346 KW and others 100 KW	600
20	Stand by D.G. set at Upper station in KVA for slow drive unit(rescue) 40 KW and others 50 KW	50
21	Ambient temp	(+) 24° C max and 0°



22	Relevant standard	CEN & IS Code, Himachal Ropeway
23	Location of Tension Gears	Upper Terminal near HH The Dalia Lama Temple, near MC Parking McLeodganj
24	Location of Drive gears	Lower Station near Bus Stand Dharmshala
25	Number of Towers	13
26	Area requirement	Total Area : 22,438 m <sup>2</sup> Area for LTP, UTP and Towers : 5718 m <sup>2</sup> , ROW : 16720 m <sup>2</sup> ,

4. During operation phase, adequate stack height will be provided to DG set ( 1 x 320 KVA). Total water requirement from Himachal Pradesh Irrigation and Public Health during operation phase will be 220.2 m<sup>3</sup>/day. Wastewater generation will be 69.6 m<sup>3</sup>/day and the same will be discharge into the existing sewer line, which is 10 m away from LTP and UTP. Total solid waste generates during construction and operation are 10.0 kg/day and 480 kg/day respectively. Adequate facilities will be provided for collection and conveyance of solid waste. Solid waste will be disposed alongwith existing collection and disposal system of Dharmshala Municipal Corporation Disposal Site. Total power requirement will be 536KW, which will be sourced from HPSEB. Waste oil/used oil from DG set shall be sent to Authorized re-processors/recyclers. First-aid / medical room will be provided at Lower Terminal and Upper Terminal during construction and operation phase.

6. Public consultation/public hearing was held on 20<sup>th</sup> August, 2016.

7. All the projects related to Aerial Ropeway located at an altitude above 1000 m are listed at 7(g) of schedule of EIA Notification, 2006 covered under category 'A' and appraised at central level.

8. The proposal was considered by the Expert Appraisal Committee (Infrastructure) in its meetings held during 23<sup>rd</sup> February, 2016, 24<sup>th</sup> -25<sup>th</sup> October, 2016 and 24<sup>th</sup> -25<sup>th</sup> November, 2016 respectively. Project Proponent and the EIA Consultant namely M/s RITES Limited, have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be adequate and in consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

9. Based on the information submitted by the project proponent, the Ministry of Environment Forest and Climate Change hereby accords environmental clearance to above project under the provisions of the EIA Notification, 2006 subject to the compliance of the Specific and General Conditions as below:

#### A. SPECIFIC CONDITIONS:

- 'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- The project should conform to the norms prescribed by the Director General Mine safety. Necessary clearances in this regard shall be obtained.
- Energy conservation measures as suggested in the "Green Rating for Integrated Habitat Assessment", GRIHA, shall be followed while constructing associated buildings.

- iv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Diesel generating sets shall be installed, in the downwind directions.
- v) Solar energy shall be used in the project i.e. at upper terminal and lower terminal to reduce the carbon footprint. Adequate infrastructure, including power, shall be provided for emergency situations and disaster management.
- vi) Total fresh water requirement from HPIPH water supply will be 220.2 m<sup>3</sup>/day. No ground water shall be extracted.
- vii) As proposed, wastewater shall be discharged into authorized municipal sewerage system. In any case, no wastewater shall be discharged in open.
- viii) Adequate parking shall be constructed at lower terminal (LTP). PP shall ensure smooth traffic management and minimum waiting time. As informed, at UTP, there is an existing car parking of capacity 100 vehicles by Municipal Corporation Dharamshala, which will be used for the project. Separate dedicated baggage trolleys shall be provided and passenger trolleys should not be allowed to carry heavy baggage (beyond hand baggage as defined for air travel)
- ix) Storm water from the project area shall be passed through setting chamber.
- x) Adequate first aid facility shall be provided during construction and operation phase of the project.
- xi) Regular safety inspection shall be carried out of the ropeway project and a copy of safety inspection report should be submitted to the Regional Office, Dehradun.
- xii) An onsite disaster management plan shall be drawn up to account for risks and accidents. This onsite plan shall be dovetailed with the onsite management plan for the district.
- xiii) Solid waste shall be managed and disposed as per the provisions of Solid Waste Management Rules, 2016. Discourage the use of plastics at the stations.
- xiv) Publicly display the Disaster Management plan and the Dos and Dont's at the LTP/UTP.
- xv) All measures shall be taken during the excavation activity as deemed necessary from the geotechnical investigation of the soil and ground water profile.
- xvi) Ambient noise levels should conform to commercial standards both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB. Where an activity is likely to cause noise nuisance to nearby residents, restrict construction hours between 7 am to 6 pm.
- xvii) The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.
- xviii) Company shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system. Measures to be taken for protection. One set of environmental manual shall be made available at the project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.



- xix) All the issues raised during the public hearing/consultation meeting held on 20<sup>th</sup> August, 2016 should be satisfactorily implemented. Whatever has been agreed and committed in the Public hearing should form part of the project implementation plan.

**B. GENERAL CONDITIONS:**

- (i) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.
- (ii) No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (iii) A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- (iv) Adequate funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures and shall be used to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government alongwith the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes.
- (v) The Regional Office of this Ministry/Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
- (vi) A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- (vii) The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry / CPCB / SPCB shall monitor the stipulated conditions.
- (viii) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.
- (ix) The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.

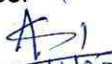
(x) Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

10. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

11. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.


12. Any appeal against this Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

13. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

  
6/11/2017  
(A.N. Singh)  
Scientist 'D'

**Copy to:-**

- i) The Principal Secretary, Department of Environment, Science and Technology Narayan Villa, Near Wood Villa Palace, Chhota Shimla, Shimla, Himachal Pradesh-171002
- ii) The Addl. Principal Chief Conservator of Forests (Central), Regional Office (Northern Zone), Bay No.24-25, Sector 31-A, Dakshim Marg, Chandigarh-160030.
- iii) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- iv) The Chairman, Himachal Pradesh State Pollution Control Board, Him Parivesh, Phase-III, New Shimla-171009, Himachal Pradesh (INDIA)
- v) Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bagh, New Delhi.
- vi) Guard File/Monitoring File/Record File.

  
(A.N. Singh)  
Scientist 'D'