

**GOVERNMENT OF MANIPUR  
DIRECTORATE OF TOURISM**

**NOTICE INVITING EXPRESSION OF INTEREST (EOI)**

Imphal , the 17<sup>th</sup> of July, 2019

No. 4/550/2019-DTSM: In pursuance of the approval conveyed by the Government vide letter No.13/1/2018-TSM(Pt I), dated 12/07/2019, the Directorate of Tourism , Manipur invites 'Expression of Interest (EOI) for Development of Ropeway between Sendra and Thanga of Bishnupur District on 'Public Private Partnership' (PPP) basis at an estimated cost of INR 263 Cr from Indian and overseas organizations with the necessary infrastructure such as station at Sendra with commercial facilities and upper station at Thanga.

Companies engaged in the business of Ropeway services and operation, Ropeway logistics, Ropeway construction and infrastructure development are eligible to submit their proposal.

Further , detailed Expression of Interest (EOI) along with formats and timelines is uploaded in Government website : [www.manipurenders.gov.in](http://www.manipurenders.gov.in) , [manipur.gov.in](http://manipur.gov.in) and [www.manipurtourism.gov.in](http://www.manipurtourism.gov.in)

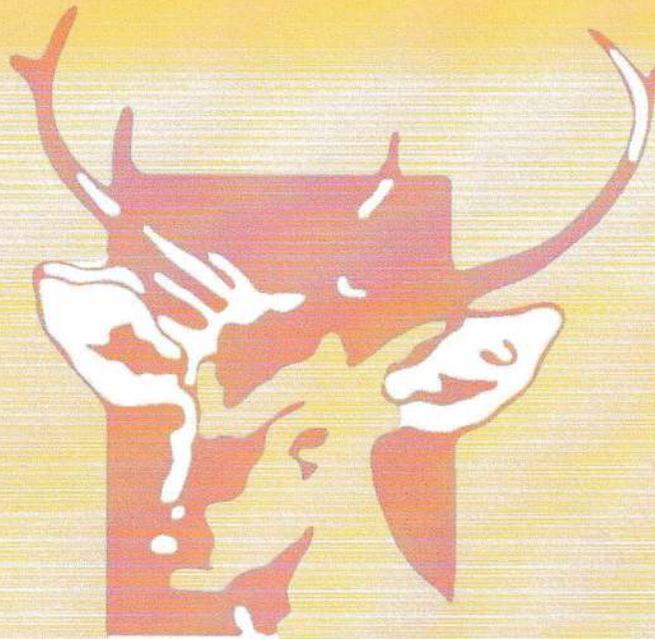


(W. Ibohal Singh)  
**Director, Tourism, Manipur**

Copy to :

1. Commissioner, Tourism, Government of Manipur.
2. Director ( IT), Manipur .
3. Editor- The Hindu (English), The Telegraph (English) – with a request to kindly publish the above tender notification for 1(one) day as Advertisement 19/07/2019.
4. Editor – The Sangai Express (English), Hueiyen Lanpao (Manipuri) - with a request to kindly publish the above tender notification for 1(one) day as Advertisement.
5. Mr. Martha Khuman, Web manager – with a request to kindly upload the above Notice inviting EOI in the Government website: [www.manipurender.gov.in](http://www.manipurender.gov.in) and [www.manipur.gov.in](http://www.manipur.gov.in)
6. Mr. Deepak , Manger IT, TCML - with a request to kindly upload the above Notice inviting EOI in the Department's website : [www.manipurtourism.gov.in](http://www.manipurtourism.gov.in)
7. Relevant File.

**EOI FOR DEVELOPMENT OF  
ROPEWAY AT SENDRA –  
THANGA, MANIPUR ON PPP  
BASIS**



**MANIPUR TOURISM**

**Department of Tourism, Government of  
Manipur**

A handwritten signature in blue ink, located at the bottom center of the page. The signature is stylized and appears to be a personal name, possibly 'H. S. S.', followed by a long horizontal stroke.

## **Disclaimer**

This Expression of Interest (EoI) contains brief information about the Project and will assist DoT, Manipur to formulate the RFP for the process of selecting the Applicants during the RFP stage. This EoI is not an agreement or an offer by the purchaser/authority to the applicants or any other person.

The purpose of the document is to provide the applicants with information to assist the formulation of their EoI application or response to EoI Document ("The Application"). The information provided in this EoI Document, to the Applicants is on a wide range of matters, some of which depends upon interpretation of law. The Applicants may conduct their own independent assessment, site visit, investigations and analysis and check the reliability, accuracy and completeness of the information at their end and obtain independent advice from relevant sources as required before submission of their EoI application. The Application should be in English language only.

Furthermore, the information provided in this EOI Document is not intended to be an exhaustive account of statutory or commercial requirements and should not be regarded as a complete or authoritative statement of law. DoT, Manipur along with its directors, associates, employees, affiliates, consultants makes no representation or warranty and shall have no liability to any person including the Applicant under any law, statute or by any rule and/or regulation made there under, tort, equity, principles of restitution, unjust enrichment or otherwise for any loss, damage, costs or expenses which may arise from or be incurred or suffered on account of anything contained in this EOI Document or otherwise, including the accuracy, adequacy, correctness, reliability or completeness of the EOI Document any assessment, assumption, statement or information contained therein or deemed to form part of this EOI Document or arising in anyway in this subject.

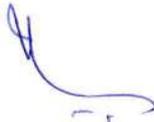
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## 1 Notice Inviting Expression of Interest

### GOVERNMENT OF MANIPUR DIRECTORATE OF TOURISM

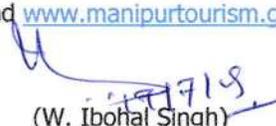
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## **2 Introduction and Background:**

### **2.1 About Manipur:**

The state lies at a latitude of 23°83'N – 25°68'N and a longitude of 93°03'E – 94°78'E. The total area covered by the state is 22,347 square kilometers (8,628 sq mi). The capital lies in an oval-shaped valley of approximately 700 square miles (2,000 km<sup>2</sup>) surrounded by blue mountains and is at an elevation of 790 meters (2,590 ft) above sea level. The slope of the valley is from north to south. The mountain ranges create a moderated climate, preventing the cold winds from the north from reaching the valley and barring cyclonic storms originating from the Bay of Bengal. The state is bordered by the Indian states of Nagaland to its north, Mizoram to its south, Assam to its west, and shares international border with Myanmar to its east.



The state has four major river basins: the Barak River Basin (Barak Valley) to the west, the Manipur River Basin in central Manipur, the Yu River Basin in the east, and a portion of the Lanye River Basin in the north. The Barak River, the largest of Manipur, originates in the Manipur Hills and is joined by tributaries, such as the Irang, Maku, and Tuivai. After its junction with the Tuivai, the Barak River turns north, forms the border with Assam State, and then enters the Cachar Assam just above Lakhimpur. The Manipur river basin has eight major rivers: the Manipur, Imphal, Iril, Nambul, Sekmai, Chakpi, Thoubal and Khuga. All these rivers originate from the surrounding hills. Almost all the rivers in the

valley area are in the mature stage and therefore deposit their sediment load in the Loktak lake. Manipur may be characterized as two distinct physical regions: an outlying area of rugged hills and narrow valleys, and the inner area of flat plain, with all associated land forms. These two areas are distinct in physical features and are conspicuous in flora and fauna. The valley region has hills and mounds rising above the flat surface. The Loktak lake is an important feature of the central plain. The total area occupied by all the lakes is about 600 km<sup>2</sup>. The altitude ranges from 40 m at Jiribam to 2,994 m at Mt. Iso (Tempü) Peak near Mao, Songsong.

## **2.2. Connectivity:**

Tulihal Airport, Changangei, Imphal, the only airport of Manipur, connects directly with Delhi, Kolkata, Guwahati, and Agartala. It has been upgraded as an International airport. As India's second largest airport in the northeast, it serves as a key logistical centre for northeastern states. National Highway NH-39 links Manipur with the rest of the country through the railway stations at Dimapur in Nagaland at a distance of 215 km (134 mi) from Imphal.

National Highway 53 (India) connects Manipur with another railway station at Silchar in Assam, which is 269 km (167 mi) away from Imphal. The road network of Manipur, with a length of 7,170 km (4,460 mi) connects all the important towns and distant villages. However, the road condition throughout the state is often deplorable. In 2010, Indian government announced that it is considering an Asian infrastructure network from Manipur to Vietnam. The proposed Trans-Asian Railway (TAR), if constructed, will pass through Manipur, connecting India to Burma, Thailand, Malaysia and Singapore.

## **2.3 Tourism:**

The tourist season is from October to February when it is often sunny without being hot and humid. The culture features martial arts, dance, theatre and sculpture. Greenery accompanies a moderate climate. The seasonal Shirui Lily plant at Ukhrul (district), Dzukou valley at Senapati. Sangai (Brow antlered deer) and the floating islands at Loktak Lake are among the rarities of the area. Polo, which can be called a royal game, originated in Manipur.



#### **2.4 Major attractions:**

Keibul Lamjao National Park, 48 km (30 mi) away from Imphal is an abode of the rare and endangered species of brow antlered deer (Sangai). This ecosystem contains 17 rare species of mammals. It is the only floating national park of the world. Six kilometers (3.7 mi) to the west of Imphal, at the foot of the pine growing hillocks at Iroisemba on the Imphal-Kangchup Road are the Zoological Gardens. Some brow antlered deer (Sangai) are housed there. Sadu Chiru waterfall is near Ichum Keirap village 27 km (17 mi) from Imphal, in the Sadar hill area, Senapati district. This consists of three falls with the first fall about 30 meters (98 ft) high. Agape Park is in the vicinity. It is owned and managed by Kamlun Telien of Ichum Keirap. halon Cave (around 910 meters (2,990 ft) above sea level) is one of the historical sites of Manipur under Tamenglong district. It is around 185 kilometers (115 mi) from the state capital and around 30 kilometers (19 mi) from Tamenglong district headquarters in north side. From Thalon village, this cave is 4-5 kilometers (2.5-3.1 mi). Khangkhui Cave is a natural limestone cave in Ukhrul district. The big hall in the cave is the Darbar hall of the Devil King living deep inside while the northern hall is the royal bedroom, according to local folklore. During World War II, villagers sought shelter here. This cave is an hour's trek from Khangkui village.



#### **2.5 About Sendra:**

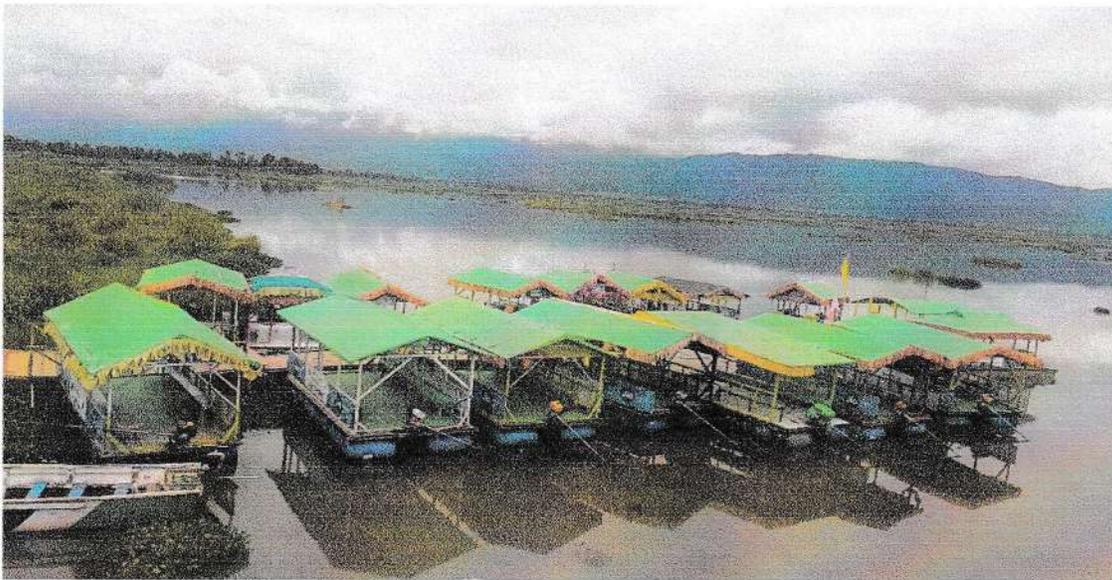
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Well connected by road and air, Sendra hill is 39 kms away from Imphal, the capital city of Manipur by road. The Sendra hill is a unique destination for tourism.

The surrounding lake offers excellent opportunities for visitors to enjoy its beauty and other several islands located inside it that are studded with floating phumdis of different geometrical shapes.



A short boat ride on the Loktak Lake is a fun thing! One can rent out a whole boat for self-use at very economical rates and enjoy a quick ride on the idyllic fresh water lake. It's probably not the most exciting boat ride ever but people who love to feel lake closely for them it is worth taking. At-least one gets up-close with pristine beauty of the lake



## 2.6 About Thanga:



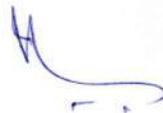
The Thanga village is an island village located at the Loktak lake of Manipur. The main occupation of this village is fishing. It is 55 km from Imphal, capital of Manipur.

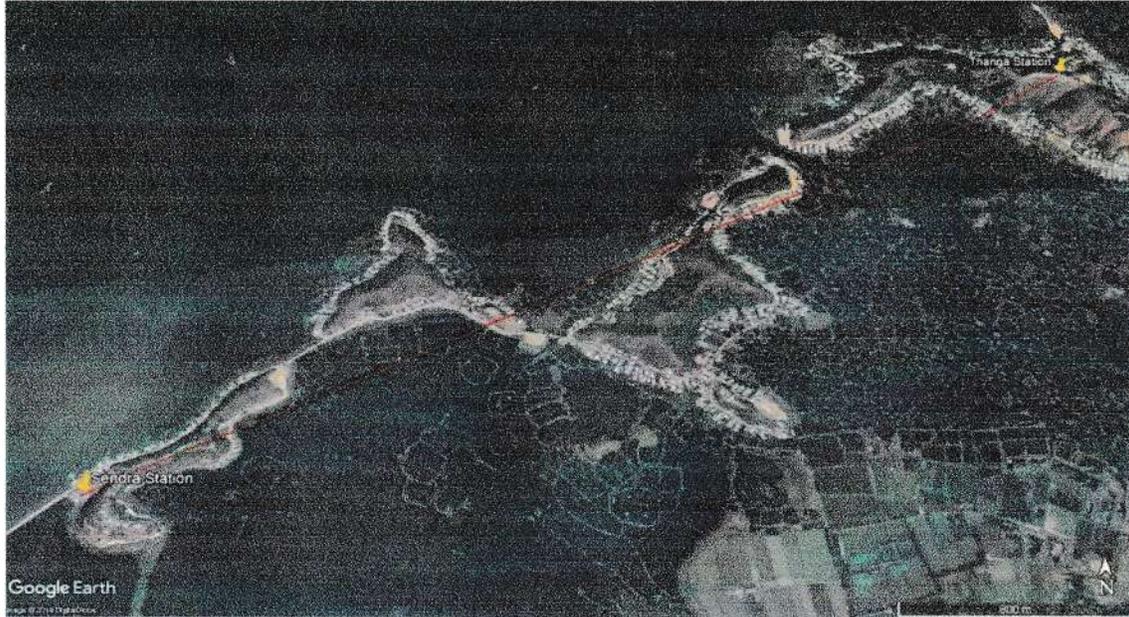
## 3 About Sendra – Thanga Project:

### 3.1 Proposed Alignment:

The route the cable car has been established after detailed analysis carried out during expert site visits and that is taken as a binding input for this report. The route starts from foothills of Sendra opposite to boating station, it then flies on top of the mountains and Sendra Resort. From here a stretch goes above the Loktak Lake crossing mountains and habitation below finally arriving at the destination at the top of Thanga.

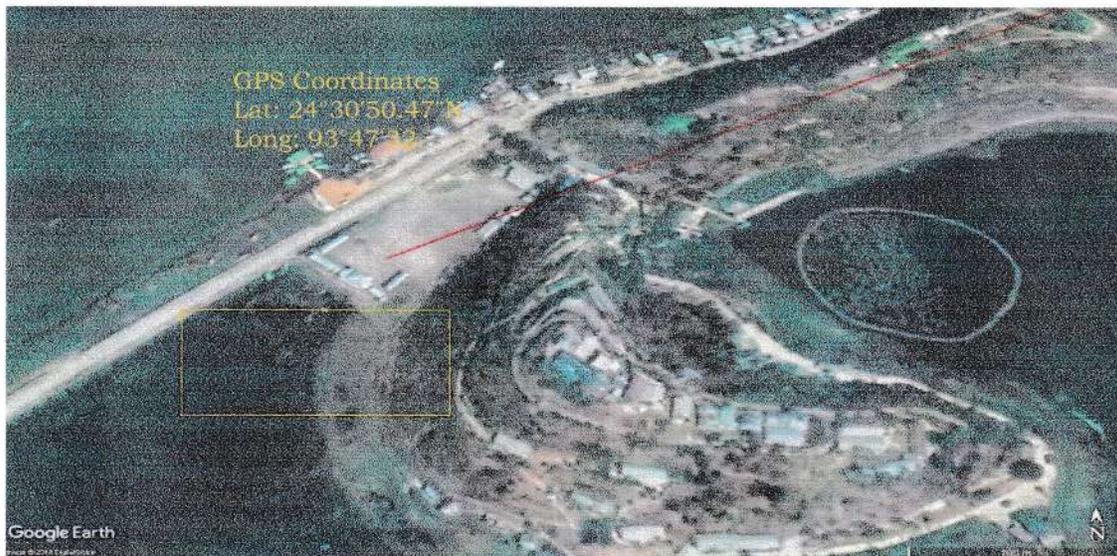
All possible locations for having base station and Top station were carefully analysed. Both sides of study area were investigated. Access to Sendra and Thanga is available with existing road. However, an aerial panoramic view of Lake could not be available from any point currently accessible. Loktak Lake is already a major tourist destination near Imphal. The presence of Sangai Deer on the floating islands over Lake draws majority of tourist footfall in this area. The proposed alignment will provide a soothing journey over Loktak lake.





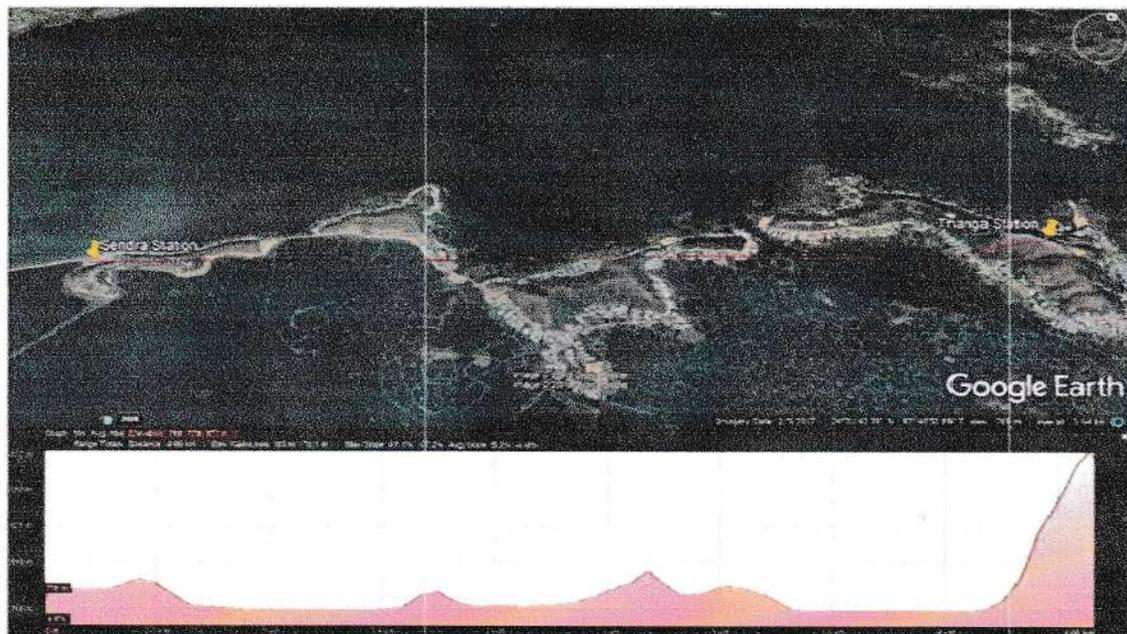
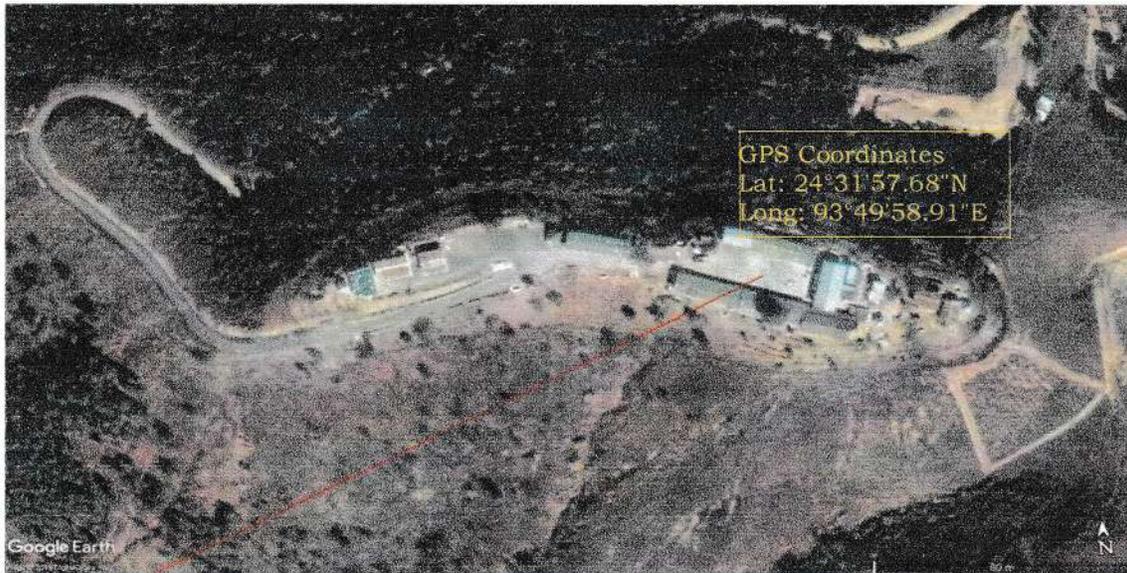
Few alignments were evaluated and the most suitable alignment was selected post discussion with Department of Tourism, Manipur. The Ropeway will start from the ground opposite to boating station at Sendra and will terminate at Thanga hill. The ropeway is planned in single sections of 4.7 Kms.

The Lower Terminal location identified at Sendra hill ground has lot of space required for station area development, parking, passenger movement. Tourists of all age can take the ropeway from this location.



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The upper station is planned at Thanga hills. Tourists and commuters can reach Thanga either by ropeway or by road. Tourists can take ropeway directly from Sendra or they can reach Thanga by road and take ropeway to Sendra enjoying magnificent view of lake.



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### 3.2 Proposed development at station locations

Indicative list of followings may be developed at proposed station locations

- Enclosed Station Building
- Holding area for passengers – Boarding level
- Ticketing counters – Ground / Concourse Level
- Waiting area – Ground / Concourse level
- Restrooms, Baby care room
- First-aid room
- Two wheeler parking
- Four wheeler parking
- Restaurants
- Gift / Souvenir Shops
- Photo Shops
- Recreational facilities for kids
- Soft play area
- Light amusement rides
- Viewing Gallery
- Selfie corners
- Cloak room / locker facility

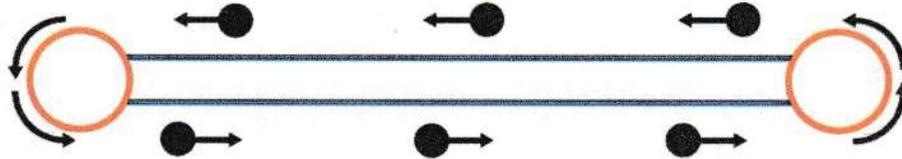
#### 4 Projected Traffic for the Project:

Year	Scenarios : % Increase in passenger traffic		
	8%	10%	12%
<b>2017-18</b>	216280	216280	216280
<b>2018-19</b>	233582	237908	242234
<b>2019-20</b>	252269	261699	271302
<b>2020-21</b>	272451	287869	303858
<b>2021-22</b>	294247	316656	340321
<b>2022-23</b>	317786	348321	381159



## 5 Proposed Ropeway Technology:

The Monocable Detachable Gondola System is proposed for the said alignment. The guideway, or line, for a mono-cable gondola system is an aerial rotating steel cable loop driven and tensioned at the end stations and supported and guided by sheave-train rollers mounted on cross arms supported by vertical, steel line towers along the route. The support towers can be constructed along the centerline of the alignment. The height of the towers and cables can range between 15m to 50m depending on numerous clearance factors such as pedestrians below, roadways and traffic below, other transit and stations below, buildings and structures below, obstacle clearance, crossing over waterways, highways and bridges, view corridors, privacy issues of commercial and residential buildings along the route, etc.



### 5.1 Salient Features of proposed Ropeway System:

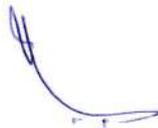
Sl. No.	Description	Value
1	Horizontal Length	4660 m
2	Vertical Rise	99 m
3	Speed	6 m/s and above
4	Hourly Capacity	500 PPH (initial)
5	Hourly Capacity	1000 PPH (final)
6	No of Stations	2
7	Ropeway Standard	CEN Standard Ropeway

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## **6 Scope of Work:**

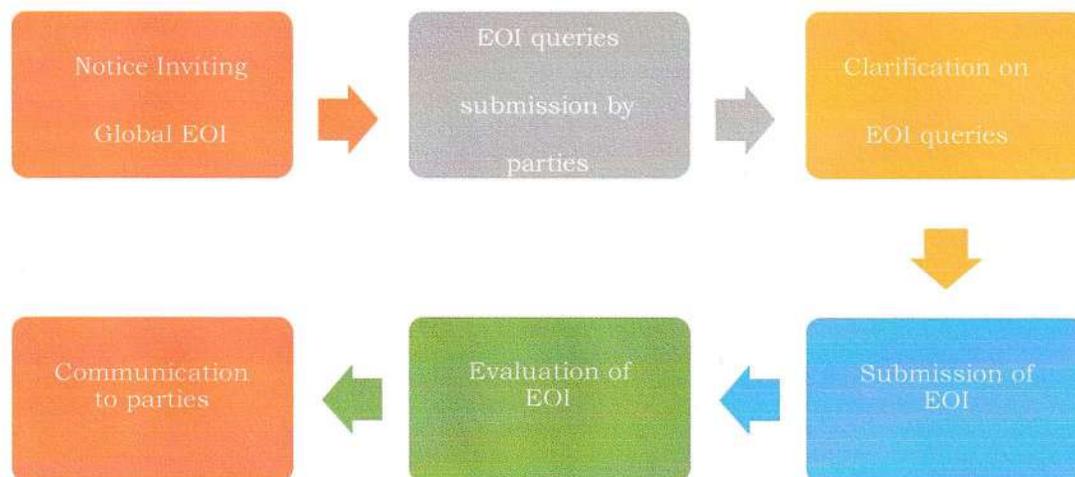
DoT intends to seek EOI in the following areas –

1. Development of Ropeway between Sendra and Thanga as per the proposed alignment given above
2. Development of Terminal station at Sendra and Thanga locations along with all necessary infrastructure facilities
3. Any other works, which are required for the successful completion and commissioning of the Project as per the prevailing laws and rules applicable at that time may be considered.
4. All the clearances for the project i.e. environment, forest, wildlife etc will be in place before award of project on PPP basis



## 7 EOI Process and Timelines

Following process will be followed for this EOI



Sl. No.	EOI Process	Date	Time
1	Notice Inviting EOI	17/07/2019	15:00 hrs
2	EOI queries submission by parties	27/07/2019	16:00 hrs
3	Pre-Proposal Meeting	30/07/2019	14:00 hrs
4	Clarification on EOI queries	05/08/2019	16:00 hrs
5	Submission of EOI	09/08/2019	16:00 hrs
6	EOI Opening	17/08/2019	16:00 hrs
7	Presentation by the selected firms/ companies	19/08/2019	11:00 hrs
8	Result communication to parties	21/08/2019	16:00 hrs

The interested parties are requested to submit their proposals furnishing the above details at Directorate of Tourism , North A.O.C. , Imphal West, 795001 latest by 10/08/2019 in an envelope duly super scribed for “EOI FOR DEVELOPMENT OF ROPEWAY AT SENDRA – THANGA, MANIPUR ON PPP BASIS” and addressed to :-

**Director, Tourism Manipur**

**Directorate of Tourism**

**North AOC, Imphal West – 795001 , Manipur**

**8. Documents to be submitted along with EOI:**

1. Details of the Applicant
2. Details of Ropeway Experience
3. Details of Other Infrastructure / Commercial Projects
4. Financial Resources such as net-worth, turnover, profits, etc. in last 3 years

**9. Document Formats:**

Applicant should submit their details in following document formats.

**9.1 Format for Details of Applicant:**

To be filled separately by each applicant in case of consortium

Sl. No.	Description	Details
1	Name of Firm / Consortium	
2	Address for Correspondence	
3	Year of incorporation	
4	Address of corporate headquarters and its branch office(s) in India	
5	Details of individual(s) who will serve as the point of contact (a) Name: (b) Designation: (c) Company: (d) Address: (e) Telephone Number: (f) Fax Number: (g) E-Mail Address:	
6	Enclosures: Documents certifying Bidder's legal status Certificate of incorporation / registration Latest brochures / organization profiles etc, if any	

**9.2 Format for Project Details of Ropeway Experience:**

To be filled separately for each project

Sl. No.	Description	Details
1	Project Name	
2	Project Location	
3	Short Description of Project	
4	Project Start & End Date	
5	Cost of the Project	
6	Alignment Length	
7	Vertical Rise	
8	Contract Model	
9	Design Capacity in PPH	
10	Type of Ropeway	
11	Ropeway Standard used	

**9.3 Format for Project Details of Infrastructure / Commercial Experience:**

To be filled separately for each project

Sl. No.	Description	Details
1	Project Name	
2	Project Location	
3	Short Description of Project with scope details	
4	Project Start & End Date	
5	Cost of the Project	
6	Contract Model	

**9.4 Format for Financial Resources:**

Application type	Net Cash			Net Worth	Net Cash
	Year 1	Year 2	Year 3		
Single Entity					
Consortium					
Member 1					
Member 2					
Member 3					