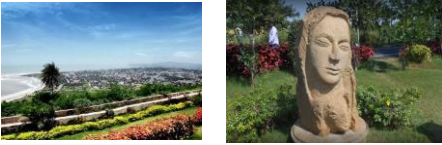


EXECUTIVE SUMMARY



RESTORATION AND REDEVELOPMENT OF 380 ACRE KAILASAGIRI HILL TOP PARK AT VISAKHAPATNAM



1. INTRODUCTION

Vishakhapatnam city is known for its pristine beaches, natural beauty and scenic landscape along with a rich cultural and historical heritage. The city is blessed with rich flora & fauna, scenic beaches made up of small hills, religious and cultural significance as well as a dynamic past.

Kailasagiri is a famous tourist attraction point in the city. It was established by Vishakhapatnam Urban Development Authority and was announced plastic-free zone. The park is based at a 360 feet high hill offering you panoramic view of the serene surroundings. Kailasagiri is emerging as picnic spot and weekends getaways. It spans over 129 hectares of land having lush green grass and tropical shrubs & trees. The Vishakhapatnam city and forests are easily visible on the other edges. The tourists can also take the ropeway service to move to the hills. It is estimated that the hill top park is visited by around ten lakh tourists every year. The government of Andhra Pradesh awarded Kailasagiri as best Tourist Spot in 2003.

1.1 PROJECT BACKGROUND

The City of Visakhapatnam was hit by Hud-hud cyclone on 12th & 13th October 2014. The city suffered massive devastation. In view of the devastation suffered by the Hill park the custodian of the park, VUDA decided to redevelop the same to bring it back to its old glory.

The Government of India has received a Loan from the World Bank towards the cost of Andhra Pradesh Disaster Recovery Project (APDRP) in Andhra Pradesh, India and intends to apply a part of the proceeds for consulting services. The Visakhapatnam Urban Development Authority (VUDA), a Project Implementation Unit for the project has selected 'SAI Consulting Engineers, Systra Group' in JV with Abha Narain Lambah Associates, Mumbai (consultants) for Project Management Consultancy Services "for Detailed Engineering and Construction Management" of Kailasagiri Hill Park at Visakhapatnam including preparation of bidding documents of works contracts as per World Bank guidelines and support in procurement process.

1.2 OBJECTIVES

The main objective of social assessment of the project are as follows: -

- To provide understanding of existing socio-economic conditions of the population of the Project area.
- To identify the potential socio-economic positive and negative impacts of the proposed project.
- To develop attainable mitigation measures to enhance positive impacts and reduce or avoid negative impacts; and,
- To develop management and monitoring

1.3 PROJECT LOCATION

The Kailasagiri Hill is around 20 km from Vishakhapatnam Airport and 15 km from Vishakhapatnam Railway station. It is located on the eastern coast of India in Visakhapatnam District in the State of Andhra Pradesh. The extent of project site which is around 129 Ha, is shown in the figure along with its location map. The site is accessed through Kailasagiri Ghat road from Police quarters road on the northern part of the hill, which further connects the beach road on the eastern side of the hill.



Figure 1. Location Map of Kailasagiri Hill Park

1.4 DISASTER & NATURAL CALAMITIES

Cyclones are a recurrent phenomenon observed in Vishakhapatnam due to its proximity to Bay of Bengal. Tropical cyclones generally occur during pre-monsoon (April-May) and Post Monsoon (October-December). Total 44 cyclones have passed at a wind speed of 150 kmph speed from Visakhapatnam city (1877-2013) (UNDP, July). The city experienced a very severe cyclonic storm “Hudhud” with a wind speed of about 200 kmph and a wave height of 3 m. The maximum storm surge reported at Visakhapatnam was 1.4 m above the astronomical tide. The cyclone made a landfall on 12th October 2014 near Visakhapatnam affecting the agriculture, horticulture, fisheries, livestock’s, infrastructure like roads, communication, buildings, water supply, etc.

The city has experienced severely cyclonic winds particularly in the recent past.

- Very Severe Cyclonic Storm of November 1998, 143 kmph
- Severe Cyclonic Storm of Oct 1985, 93 kmph
- Cyclonic Storm of June 1996, 84 kmph

1.5 EXISTING LANDUSE AND PERMISSIBLE USES

As per the approved zonal development plan 2021 for Visakhapatnam Metropolitan Region, Kailasagiri Hill located in Chinna Gadili village survey number 150 is designated as recreational land use.

1.6 MASTER PLAN FOR REDEVELOPMENT OF KAILASAIRI

Based site assessment, existing site conditions, studies of data from primary & secondary sources and stakeholder consultation, discussions with various line departments, VUDA technical committee, the consultants have formulated the master plan for redevelopment of Kailasagiri Hill Top Park.

Based on the studies, surveys, analysis, and feedbacks from client & stakeholders including the funding agency, the consultants have formulated the Final Master Plan keeping the following criteria's: -

- Reorganizing & maximizing the parking area to regulate the traffic systematically
- Distribution of additional utilities
- Introduction of new activities along the movement route
- Improvement of existing activities
- Removing existing eye sore
- Redistribution of new improved facilities throughout the park area

2. PROJECT DESCRIPTION

The proposed project aims to redevelop Kailasagiri Hill Park as a world class tourist destination with good recreational opportunities supported by infrastructure facilities which will complement the hill park area.

2.1 FINAL MASTER PLAN

The master plan formulated is a mix of active and passive recreation facilities which will engage and attract park users of all age group. During the master plan formulation process, it was evident from various discussions and stakeholder consultations that there is a strong desire among the key stakeholders to make Kailasagiri Hill Park a world class destination and at the same to there was also a suggestion not to change the existing character of the Hill Park and to retain it while introducing new facilities.

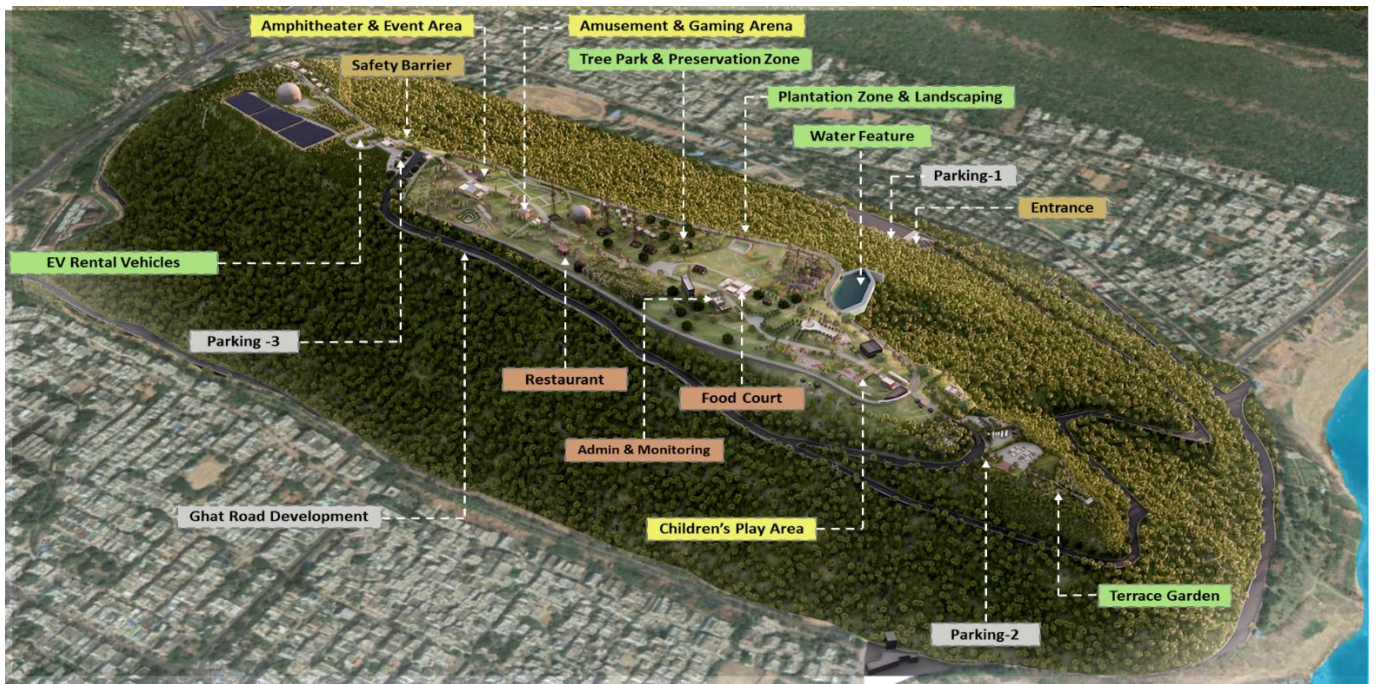


Figure 2. Proposed Master Plan

2.2 PROPOSED PROJECT COMPONENTS

<ul style="list-style-type: none"> ● RECREATIONAL ACTIVITIES ● Amphitheater ● Amusement Park & Gaming Arena ● Children's Play Zone 	<ul style="list-style-type: none"> ● LANDSCAPE ● Development of Gardens ● Street Furniture & Hard Landscape ● Development of Avenue ● New Pathways ● Sitting Area 	<ul style="list-style-type: none"> ● TRAFFIC RELATED ● Parking Improvements ● Proposed parking ● Proposals for Eco-Friendly Vehicles (EV) ● Ghat Road Formation
<ul style="list-style-type: none"> ● AMENITIES ● Food Court Area ● Washrooms ● Kiosks ● Drinking water fountains 	<ul style="list-style-type: none"> ● ENVIRONMENT ● Creation of Small Water bodies ● Solar Lighting ● Preservation Zone & Tree Park ● Creation of green Avenues 	<ul style="list-style-type: none"> ● SAFETY & IMPROVEMENT ● Main Entrance ● Viewpoints ● Toy Train- Boom Barriers ● Info Signage ● Water Supply, Drainage, & SWM

3. SOCIAL IMPACT ASSESSMENT

3.1 SOCIAL SCREENING

All project components of the proposed project will be first subject to a social screening in order to prevent execution of projects with significant negative social impacts. The purpose of "social screening" is to get a preliminary idea about the degree and extent potential social impacts of a particular sub-project, which would subsequently be used to assess the need for further social assessment

3.2 RECONNAISSANCE SURVEY OF PROJECT AREA

Consultants carried out reconnaissance survey during the months of August, September and December 2017. Through reconnaissance study various activities zones were identified and the foot fall pattern in various parts of hill were identified to understand the areas which have maximum utilization and area which are not under optimum utilization.

The SIA team visited the project site to understand the site conditions. The team also tried to explore the basic socio-economic and cultural background of the region and infrastructural situations in areas under study.

3.3 DEFINING THE IMPACT AREA

Considering the activity pattern at Kailasagiri Hill, there two major groups of stakeholders: -

- Tourist Visiting the Kailasagiri Hill Park
- Vendors Carrying Out Business

Important activities involving are the implementation of redevelopment master plan are demolition, excavation, rebuilding amenities and utilities and this would affect the tourists as well as vendors temporarily.

3.4 PROFILE OF VENDORS

The profile of the vendors active at Kailasagiri Hill park at the time of preparation of redevelopment Master are listed below along with the areas allotted them by VUDA to carry out the business as mentioned in their agreement.

3.5 STAKEHOLDER CONSULTATION

The Kailasagiri Hill park is classified as recreational land use in VMRDA Master Plan 2020 and it is retained as a recreational land use in the proposed master plan which is under preparation. There are around 43 vendors as per the VUDA register and their representatives were present in both initial stakeholder meetings where three options were discussed and second stakeholder consultation in which final concept master plan was elaborated. These vendors are considered to be partners in development of Kailasagiri Hill park development.

Opinion survey is part of the community participation tool which is fundamental in developing an appropriate and effective design solution for a recreational zone in an urban setup like Kailasagiri Hill. The visitors, users and community around the Kailasagiri hill are the ultimate beneficiaries of this overall project of redevelopment of Kailasagiri hill and it's one of the key priorities for the funding agency as well. Hence it is important to have a sound understanding of local knowledge, values and needs through interaction with users of Kailasagiri hill and other major recreational facilities in Visakhapatnam city.

3.6 POTENTIAL POSITIVE IMPACTS

Currently the vendors are operating with minimum facilities and space constraints. Also, the amenities available across the park area are minimal. These issues faced by the stakeholders will be addressed through this master plan efforts. Kailasagiri Hill Park will have latest amenities and public facilities available in recreational parks across the country.

3.7 POTENTIAL NEGATIVE IMPACTS

3.7.1 IMPACTS DURING CONSTRUCTION PHASE

- Impact on Human Health due to impact on air quality and increased noise level due to construction activities.
- Traffic Congestion up to some extent; can be controlled by the proper sequencing plan.
- Impact on access to the Existing Vendors; mitigation measures are explained during stakeholder's consultation.
- Impact on existing utility services

Table 1 Social Management Plan

SOCIAL ASSESSMENT	YES	NO	IF YES, SPECIFY DETAILS	SOCIAL MANAGEMEMENT MEASURE	COST
1. Is there loss of dwelling land and structure?		√	No dwelling land or structure loss	NA	Nil
2. Is there loss of agricultural land and structure?		√	Proposed project sites selected are government non-agriculture land	NA	Nil

SOCIAL ASSESSMENT	YES	NO	IF YES, SPECIFY DETAILS	SOCIAL MANAGEMENT MEASURE	COST
3. Is there loss of commercial/ industrial/Institutional land and structure?		√	Government Non-Agricultural Land	NA	Nil
4. Is there loss of access to common resources and or facilities?		√	No loss to access	NA	Nil
5. Are there losses to host communities?		√	No loss to host communities	NA	Nil
6. Is there any impact on indigenous people?		√	Not Applicable	NA	Nil
7. Is there any induced development?		√	Except construction of infrastructure & public amenities no other developments	NA	Nil
8. Was the land acquired		√	Government Non-Agricultural Land	NA	Nil

3.8 CONCLUSION

There are no rehabilitation, resettlement and loss of livelihood involved since there is no inhabitants on the park. Although no such permanent negative or adverse social impacts were identified, there were certain temporary impacts, for which appropriate mitigation plans have also been suggested.

All the social issues were appropriately studied and have been substantiated using appropriate evidences, to ascertain the magnitude of their impacts. Even the issues of public grievances and public notice have been taken care in the report to confirm transparency during the project implementation. Report also ensures that well defined institutional mechanism is in place to monitor and evaluate the progress of the project during construction, implementation and operation phases.

Hence, from the outcomes of the Social Impact Assessment report it is concluded that the project falls in 'low impact' category and have overall positive benefits on the Socio - environment of the people. There has been no report of land acquisition or livelihood losses to be caused under this project.

The Positive Social Impacts are an improved recreational opportunity for local population, generation of employment, improvement of local economy due to higher tourist footfall.

MINUTES OF STAKE HOLDERS MEETING -2 ON “RESTORATION
AND REDEVELOPMENT OF 380 ACRES KAILASAGIRI HILL TOP
UNDER APDRP (WORLD BANK) PROJECT” HELD AT 9TH FLOOR
VMRDA OFFICE ON 05.01.2019

Name of the Participant	Particulars/Departments
Sri. P.Basanth kumar	Metropolitan Commissioner, VMRDA
Sri. V. R. K. Babu	MLA, Visakhapatnam East Constituency
Sri. P. Vishnu Kumar Raju	MLA, Visakhapatnam North Constituency
Mr. Gurusaravanan	Representative of Dr. K Haribabu M.P Visakhapatnam
Mr. A Srinivas	Secretary VMRDA/VUDA
Mr. E.Murali	Estate Officer, VRMDA/VUDA
Mr. V. Bhavani Sankar	Chief Urban Planner, VMRDA/VUDA
Mr. K V N Ravi	Superintending Engineer, VMRDA/VUDA
Mr. S. Sateesh Chandra	Executive Engineer, VMRDA/VUDA
Mr. P Somashekhar	EE, Electrical VMRDA/VUDA
Mr. Radha Krishna Murthy	Regional Director Tourism
Mr. B V S Ram Prakash	District Fire Officer, Visakhapatnam
Mr. B Appala Naidu	RM APSRTC
Mr. A Sreenivasa Rao	EE, GVMC
Mr. B Malleswara Rao	EE, SemachalDevasthanam
Mr. B V S Ram Prakash	District Fire Officer, Visakhapatnam
Mr. P Somashekhar	EE, Electrical VMRDA/VUDA
Mr. G Srinivasa Rao	DEE, VMRDA/VUDA
Mr. G Prasad	DE, APEPDCL
Mr. Shudir	AE, VUDA
Mr. Sayyed Rabal	Sugar Candy, Vendor
Mr. Sayyed Yaseem	Toys, Vendor
Mr. Udy Chandra Biswal	Kailasagiri Ropeway
Mr. Mahesh Suri	Landscape Architect
Mrs. N Padma	Milk Bunk, Vendor
Mr. N Akhil	Visakha Diary, Vendor
Mr. G Satyanarayan	Food Court, Vendor
Mr. TrimurthyBolla	Sri Sabri Ganesh, Vendor
Mr. Bhargav Chindada	Urban Planner
Mrs. S D Sowjanya	Vendor
Mr. M K Ramu	Food Court, Vendor
Mr. P Sagar	Gift Shop, Vendor

Mrs. M S R Devi	PaniPuri, Vendor
Mr. P Govinda	Food Court, Vendor
Mrs. Padma	Mixer Point, Vendor
Mrs. Puspa	Food Court, Vendor
Mrs. T Anjana	Studio, Vendor
Mr. Deepu Tom	SAI Systra Group

The stakeholder meeting was started with the Metropolitan Commissioner, VMRDA welcoming everyone to the stakeholder consultation meeting and by giving a brief introduction about the project.

- The M.C informed the stakeholders that the work of preparation of Master plan for development of Kailasagiri Hill was awarded to SAI Consulting Engineers Pvt. Ltd.
- He also briefed regarding the Total Station Survey carried out for the entire Kailasagiri Hill as part of this project. He explained the project schedule and time line and the effects of additional work on the actual project time lines.
- He also briefed regarding the project progress and informed regarding the draft master plan options which were discussed in the stakeholder consultation meeting-1 and the outcomes of the master planning efforts.
- M.C clarified VMRDA's intent to finalize Draft DPR by January 2019 and initiate tendering process by end of February 2019.
- M.C gave a snapshot of the master plan and its components and how it is aligned with the State Governments vision of making Kailasagiri a world class recreational park. He highlighted the major components like Adventure Park development, Amusement & Gaming Arena, Zorbing Park Zip Line, Food Courts, Kiosks, Public Amenities, View Points, Viewing Gallery & Solar Park for making development self-sufficient in energy aspect.
- The consultants explained the master plan and its principle of having both active and passive recreational opportunities for tourists and local population.
- The consultants explained how the Kailasagiri Hill master plan is derived at by identifying active recreational activities towards western side of the hill park which currently see very low footfall. Here it was explained that the improvement of Ghat road and how the initiation of secondary access from western side will change the movement pattern of tourist.
- Passive recreational opportunities situated on the northern side of the hill park was also explained.
- Consultants explained each component that will be part of the master plan, also explaining the public amenities such as washrooms, drinking water facilities, kiosks, sitting areas, rest shelters etc.
- Hon. MLA North advised to look into the rest shelter area so that there will be sufficient places for people to take shelter in case of heavy down pour. Also insisted to make sure there are enough shelters in case of heavy rains.
- The stakeholders/vendors active on the Kailasagiri Hill park enquired regarding the facilities which will be available as part of the master plan. Consultants briefed regarding the proposed food court/food joints type, its

area and how many vendors it can accommodate. It was also informed that these food courts/food joints are designed in a way they can be scaled up to incorporate more vendors, if the demand arises.

- Hon. MLA East assured the vendors that they will be receiving equal space in the newly formed food courts and kiosks as per their existing contract agreement with the VMRDA.
- Hon, MP representative suggested to explore green waste processing facility at Kailasagiri Hill Park
- The meeting end with a note of approval of Kailasagiri Master Plan, and the Metropolitan Commissioner thanked everyone for their valuable time and suggestions.

**BASANTH KUMAR P, MC(BKP), O/o METROPOLITAN COMMISSIONER-
VMRDA**

Preparation of Master plan, detailed designs for Restoration and Re-development of 380 acre Kallasagiri Hill top park, Visakhapatnam under APRDP Project

List of Public Representatives and Officers / Stakeholders present in the 2nd Stakeholders' meeting at the 9th floor meeting hall, VMRDA office, Siripuram, Visakhapatnam
Dt:05-01-2019 at 05:00 PM

S.No.	Name	Designation	Phone Number	Signature
1				
2	P. BASANTHIKUMAR	M.C	7899802585	BW
3	V.R.K. BABU	MLA (EAST)	9393120999	V.R.K. Babu
4	V. B. Venkan	CUP, VIMIEBA	9866076929	V. B. Venkan
5	GURUSARAVANAN Reprems Dr. K. Hanababu, M.P., VIZAG	M.P, VIZAG	9884989888	Dr. K. Hanababu
6	BVS Ram Prasad	Dist. Jic Officer	9949991050	BVS Ram Prasad
7	KUN Nan	SE, VMRDA		KUN Nan
8	Murthi. T.	EO.	9701021165	Murthi. T.
9	A. Srinivas	Secretary VMRDA	9866363000	A. Srinivas
10	Ravi Kishore Murthy	Regional Director Tourism	9705119772	Ravi Kishore Murthy
11	G. PRASAD	DE / APEPDC	9490606924	G. Prasad
12	B. APPALA PAI DU	R.M. APSATC	7952261291 997125580	B. Appala Pai Du
13	A. SREENIVASA RAO	GG, GUMC	9948078520	A. Sreenivasa Rao
14	B. Malleswararao	Dr. B. Srinivasan Deputy Director	9618434343	B. Malleswararao
15	G. SRIANILASA RAO	Dr. F. L. VMRDA	7702333572	G. Sri Anilasa Rao
16	Sayed Babar	Sugar Candy	7382378763	Sayed Babar
17	Sayed Yaseen	Toys		Sayed Yaseen
18	Jidya Chandro Biswal	Kaulasgi Roadway	9030904891	Jidya Chandro Biswal
19	Mahesh sorisetty	Landscape Architect	9979996366	Mahesh Sorisetty
20	N. padma	Milk bunk	9010271134	N. Padma
21	N. Akhil	Visakha Dairy	986693002	N. Akhil
22	G. Santanarayana	Food coord m n	9640277999	G. Santanarayana
23	For name			
24	Trimukhy.	Sri Sathya Sai Urban planner	9885600408	Trimukhy.
25	Bhargav chindada	Bhargav chindada@ini	7702713766	Bhargav Chindada
26	SP Babu		9652893325	SP Babu
27	M. K. Ramani		81252266	M. K. Ramani

S.No.	Name	Designation	Phone Number	Signature
28	P. SACHAR	right hand	9441552726	P. Sachar
29	M. SRI DEVI	Pani Puri	7222274422	M. Sri Devi
30	P. GANDA	Aurudha/orkan	9242263225	P. Ganda
31	K. OJAS	working water		K. Ojas
32	M. Purpa Lakshy	pinnable	9676752723	M. Pursh
33	TRBSS	costa Sidney studio	9908036883	TRBSS
34	P. Somanathan	EE E2/440		
35	P. VISHWAKUMAR RAJU	MLA-NORTH	9868198111	
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