

Draft Initial Environmental Examination

October 2014

IND: Infrastructure Development Investment
Program for Tourism Tranche 3
–Restoration, Adaptive Reuse and Revitalization of
Champawat Fort (Uttarakhand)

CURRENCY EQUIVALENTS

(as of 9 October 2014)

Currency unit	–	Indian rupee/s (Re/Rs)
Re1.00	=	\$0.0163
\$1.00	=	Rs61.025

ABBREVIATIONS

ADB	-	Asian Development Bank
BOD	-	Biological Oxygen Demand
BoQ	-	Bill of Quantities
CO	-	Carbon monoxide
CPCB	-	Central Pollution Control Board
DSC	-	Design and Supervision Consultant
EA	-	Executing Agency
EAC	-	Expert Appraisal Committee
EARF	-	Environment Assessment and Review Framework
EIA	-	Environmental Impact Assessment
EMP	-	Environment Management Plan
ES	-	Environmental Specialist
GC	-	General Conditions
KMVN	-	Kumaon Mandal Vikas Nigam
GoI	-	Government of India
GoUK	-	Government of Uttarakhand
IDIPT	-	Infrastructure Development Investment Program for Tourism
IEE	-	Initial environmental examination
INR	-	Indian Rupee
PUC	-	Pollution Under Control Certificate
MLD	-	Million Liters per day
MoEF	-	Ministry of Environment and Forests
MFF	-	Multi- Tranche Financing Facility
NGO	-	Non-Governmental Organization
NOx	-	Nitrogen oxide
PD	-	Project Director
PIU	-	Project Implementation Unit
PM	-	Particulate Matter
PMU	-	Project Management Unit
RPM	-	Respirable Particulate Matter
SC	-	Scheduled Castes
SO ₂	-	Sulphur dioxide
SPM	-	Suspended Particulate Matter
SPS	-	Safeguards Policy Statement
ST	-	Scheduled Tribe

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EXECUTIVE SUMMARY

1. **Project Background:** The Infrastructure Development Investment Program for Tourism (IDIPT) envisages an environmentally and culturally sustainable and socially inclusive tourism development, in the project states of Himachal Pradesh, Punjab, Tamil Nadu and Uttarakhand, delivered through a multi-tranche financing facility (MFF) modality. Project 2 includes the states of Uttarakhand and Tamil Nadu.
2. This Initial Environmental Examination (IEE) has been prepared for “Restoration, Adaptive Reuse & Revitalization of Champawat Fort”, Uttarakhand under Tranche 3. The IEE has been prepared based on the primary, secondary data, field visits, reconnaissance survey and public and stakeholder's consultations.
3. **Executing and Implementing agencies** A Project Management Unit (PMU) is established in Dehradun for the overall project management and Project Implementation Unit (PIU) is established at Bhimtal. Safeguards Specialists within the PMU will be responsible for implementation of the resettlement and environmental safeguard provisions. Project Management Consultants (PMC) and Design and Supervision Consultants (DSC) provide assistance to the PMU/PIUs in project implementation. Within the PMC team Safeguards Specialists will provide overall management of environmental and social issues, and will provide technical support to the PMU including implementation of the environmental and resettlement issues according to ADB's requirements, and assist in monitoring impacts and mitigation measures associated with sub- projects. The Safeguards Specialist of the DSC team will be responsible for preparation of the Environmental Assessment documents in line with the EARF and supervise the implementation of the EMP provisions in the various sub-projects.
4. The DSC Safeguards Specialist will support environmental management functions including updating sub-project IEEs in respect to environmental management plans, assisting in preparing IEEs, and assist in monitoring impacts and mitigation measures associated with sub- projects. He/she will be required to include mitigation measures in designs where appropriate, and to specify other measures in construction contracts. Contractors will be required by their contracts to implement all specified mitigation, monitoring, and reporting assigned to contractors as presented in sub-project IEE.
5. **Categorization-** The subproject has been categorized as B as per the ADB's Safeguard Policy Statement (2009). The subproject is not covered in the ambit of the EIA notification 2006 and EIA Act 2009. As a result, the categorization, and the subsequent environmental assessment and clearance requirements, either from the state or the Government is not triggered. Clearance requirements in the Construction Phase will be taken by the project contractor.
6. **Subproject Scope** This sub-project envisages the historic precincts' preservation; re-use strategy and revitalization of the Champawat Forts or the Rajbhunga and Banasur Forts for a substantial enhancement of the visitor experience by developing the fort premises into a Cultural Heritage Tourism site. The sub-project firmly believes that Champawat, with its unique Himalayan locales and cultural heritage has the potential of emerging as a unique destination, giving a boost to the experiential tourism aspect of not just the Himalayas, but of the entire country.
7. The proposed sub-project seeks to:
 - Provide opportunities for the international visitor to develop an understanding of Kumaoni culture and ways of living in a historic setting.
 - Enhance substantially the visitor experience through an interpretation of history.

- Allow the visitor to experience the Himalayas through participation in folk ways of living, viz. making craft objects, singing, dancing, and sampling local cuisines.
- Substantially improve basic infrastructure and services on site.
- Build capacities among frequently marginalized stakeholders: women entrepreneurs and practitioners of dying art forms, especially folk music, dance and crafts.
- Create opportunities for marketing of local organic produce and art objects.
- Improve last mile connectivity between natural and cultural edifices; and strengthen capacity of sector agencies and local communities for planning, development, management, and marketing of tourist/pilgrims destinations and attractions.

8. **Description of the Environment.** Subproject components are located in the Champawat town area, amidst settlements and there is no natural habitat at these sites. Out of total components proposed for restoration, only 01 component site, Banasur Fort is a 'State Protected Monument'. There are no protected areas, wetlands, mangroves, or estuaries in or near the subproject locations.

9. The district of Champawat constituted in the year 1997 is situated between 29 degree 5 minutes and 29 degree 30 minutes in northern altitude and 79 degree 59 minutes and 80 degree 3 minutes at the center of eastern longitude. The Ram Ganga River acts as a border between Champawat and Pithoragarh in north while Jabgura and Pannar rivers in south and west act as a border between Champawat, Udham Singh Nagar and Almora districts simultaneously. The long chain of mountain in southwestern region acts as a border between the district Champawat and Nainital district. The geographical coverage of Champawat is about 1613 sq. km. It includes two Tehsils and four development blocks and 691 revenue villages.

10. **Environmental Management-** An Environmental Management plan (EMP) outlining the specific environmental measures to be adhered to during various phases of implementation of the subproject has been prepared. The subproject will conform to all Government regulations, policies, and standards, as well as Asian Development Bank's Safeguard Policy Statement (2009). It includes (i) mitigation measures for environmental impacts during construction (ii) an environmental monitoring program, and the responsible entities for mitigating, monitoring, and reporting; (iii) public consultation and information disclosure; and (iv) grievance redress mechanism. A number of impacts and their significance will be reduced by amending the designs. The EMP will be included in civil work bidding and contract documents.

11. **Consultation, Disclosure and Grievance Redress.** Stakeholder discussion has been conducted during the SAR stage. The project design incorporates the views of primary and secondary stakeholders including local communities and local officials who were all meaningfully consulted during IEE and project preparation. The consultations are an ongoing process, addressing public concerns in every stage of the project. . The IEE will be made available at public locations in the town and will be disclosed to a wider audience via the ADB and Uttarakhand Tourism Development Board websites. The consultation process will be continued and expanded during DPR preparation and project implementation to ensure that stakeholders are fully engaged in the project and have the opportunity to participate in its development and implementation.

12. The citizens of Champawat will be the major beneficiaries of the project. The most noticeable net environmental benefits to the population of the town will be positive and large

as the proposed subproject will restore the architectural significance of the deteriorating Forts and temples and encourage the adaptive reuse.

13. **Monitoring and Reporting:** The PMU, PIU, PMC and DSC will be responsible for environmental monitoring. The PIU with support from the DSC will submit quarterly monitoring reports to the PMU. The PMU will consolidate the quarterly reports and will send it to ADB. ADB will post the environmental monitoring reports on its website.

14. **Implementation Schedule:** Construction of all elements will begin in the fourth quarter of the year 2014, and work will be completed in the end of 2016. Total implementation period is 24 months.

15. **Conclusions and Recommendations.** The initial environmental examination ascertains that the sub-project is unlikely to cause any significant environmental impacts. No additional studies or need of undertaking detailed EIA is envisaged at this stage. The proposed subproject is not expected to have any impact on the Forests and does not involve any tree cutting as the scope of the work is restricted to restoring a heritage site to its ancient grandeur, revitalizing it in order to give the visitor a glimpse into the history of this significant site. There are no rare, threatened, and endangered species (flora and fauna) within the subproject corridor of impact. The Executing Agency shall ensure that EMP and EmoP is included in Bill of Quantity (BOQ) and forms part of bid document and civil works contract. The same shall be revised during the DPR stage or at any stage, if necessary during project implementation and with approval of ADB.

16. The environmental impacts of the project are therefore not significant and at Category B level, as per ADB's Safeguards Policy Statement. The specific measures stated in the EMP will address the adverse environmental impacts due to the subproject. Impacts are readily mitigated through careful siting, specific selection criteria for procuring contractors with demonstrated experience; execution of proven mitigation measures during the design; and adoption of good engineering practices during construction and implementation. A detailed monitoring plan prepared as part of this IEE will further mitigate negative environmental impacts during implementation

I. INTRODUCTION

A. Background

1. The India Inclusive Tourism Infrastructure Development Project (IITIDP) envisages an environmentally and culturally sustainable and socially inclusive tourism development, in the project states of Himachal Pradesh, Punjab, Tamil Nadu and Uttarakhand. The expected Impact of the Project in the four states is sustainable and inclusive tourism development in priority State tourism sub circuits divided into marketable cluster destinations that exhibit enhanced protection and management of key natural and cultural heritage tourism sites, improved market connectivity, enhanced destination and site environment and tourist support infrastructure, and enhanced capacities for sustainable destination and site development with extensive participation by the private sector and local communities.

2. As per the Asian Development Bank's (ADB) Environmental Assessment Guidelines, and in line with the Environment Assessment and Review Framework (EARF) for the project, all the sub-project components for the proposed works are categorized as 'B' and an Initial Environmental Examination (IEE) prepared. This Initial Environmental Examination (IEE) assesses the **"Restoration, Adaptive Reuse & Revitalization of Champawat Fort"** and specifies measures towards addressing the impacts. The IEE is based on a review of sub-project site plans and reports; field visits, collection of secondary data to characterize the environment and identify potential impacts; and interviews and discussions with stakeholders.

3. Based on the findings of the IEE, an Environmental Management Plan (EMP) has been prepared, outlining the specific environmental measures to be adhered to during various phases implementation of the sub project. This EMP forms part of the contract document, and shall enable integration of environmental provisions / management measures in the Contract Document.

B. Purpose of IEE

4. Initial environmental examination (IEE) has three basic objectives; (i) assess relevant potential impacts and risks associated with the proposed sub project (ii) assess the compliance with ADB environmental safeguard requirements and applicable environmental laws, (iii) incorporate mitigation measures in the project design and preparation of Environmental Management & Monitoring Plan (EMMP).

5. The present proposal is aimed at "Restoration, Adaptive Reuse & Revitalization of Champawat Fort". The environmental impacts due to this subproject are mostly related to the construction impacts and Operation & Maintenance as well. Therefore, as per the Asian Development Bank's (ADB) Environmental Assessment Guidelines, the sub-project components are categorized as 'B' and this IEE has been carried out to identify the environmental issues to be considered at project planning and design stage, assess environmental consequences due to project intervention and suggests mitigation measures to minimize the adverse environmental impacts, if any, associated with construction and operation.

C. Extent of IEE

6. The IEE covers all activities proposed under the project and described in the SAR. The immediate project impact is considered as 500 meters from the site. However, the study area is considered up to 50 km for larger analysis of landuse and other environmental features.

D. Environmental Regulatory Compliance

7. The realm of environmental regulations and mandatory requirements for the proposed subproject is shown in Table 1. The Environmental Impact Assessment (EIA) notification, 2006 by the Ministry of Environment and Forests (MoEF, GoI) specifies the mandatory environmental clearance requirements. Accordingly, all projects and activities are broadly categorized into two categories¹ - Category A and Category B, based on the spatial extent of potential impacts and potential impacts on human health and natural and man-made resources. Given that the subproject is not covered in the ambit of the EIA notification, Environment clearance requirements from the GoI are not triggered.

Table 1: Environmental Regulatory Compliance for “Restoration, Adaptive Reuse & Revitalization of Champawat Fort”

Applicability of Acts/Guidelines	Compliance Criteria
The EIA notification, 2006 (and its subsequent amendments in 2009) provides for categorization of projects into category A and B, based on extent of impacts.	These sub-projects are not covered in the ambit of the EIA notification as they are not covered either under Category A or Category B of the notification. As a result, the categorization, and the subsequent environmental assessment and clearance requirements, either from the state or the GoI is not triggered.
The Water (Prevention and Control of Pollution) Act 1974 and The Water (Prevention and Control of Pollution) Rules 1975	The Act and Rules outlines the activities which are prohibited on account of their potential to cause water pollution. Pollution from various sources in this sub project needs to be controlled as per this Act and Rules
The Ancient Monuments and Archaeological Sites and Remains Act, 1958, and the rules, 1959 provide guidance for carrying out activities, including conservation, construction and reuse in and around the protected monuments. *	Out of the 02 Forts, Banasur Fort is a State Protected Monument and the custodian is State Culture Dept. State Culture Dept. has been requested to grant NOC for the same. Within the Rahbhunga Fort Project influence zone, ASI protected monument Baleshwar temple is located, however interventions are not proposed in the ASI regulatory zone for the said ASI site.
Forest (Conservation) Act, 1980	This act provides guidelines for conservation of forests and diversion of forest land for non-forest use. The law also states guidelines on de-reservation of various categories of forests for diversion of forest land. This law describes the penalty for contravention of the provisions of the Act. Restriction on the de-reservation of forests or use of forest land for non-forest purpose. Tree cutting is not likely, however, for felling of the tree if any during the project DPR/ execution stage, permission will be required from local forest office.

¹ All projects or activities included as Category ‘A’ in the Schedule, including expansion and modernization of existing projects or activities and change in product mix, will require prior environmental clearance from the Central Government in the Ministry of Environment and Forests (MoEF) on the recommendations of an Expert Appraisal Committee (EAC) to be constituted by the Central Government for the purposes of this notification; All projects or activities included as Category ‘B’ in the Schedule, including expansion and modernization of existing projects or activities as specified in sub paragraph (ii) of paragraph 2, or change in product mix as specified in sub paragraph (iii) of paragraph 2, but excluding those which fulfil the General Conditions (GC) stipulated in the Schedule, will require prior environmental clearance from the State/Union territory Environment Impact Assessment Authority (SEIAA). The SEIAA shall base its decision on the recommendations of a State or Union territory level Expert Appraisal Committee (SEAC) as to be constituted for in this notification. In addition, General Condition (GC) of the notification specifies that any project or activity specified in Category ‘B’ will be treated as Category A, if located in whole or in part within 10 km from the boundary of: (i) Protected Areas notified under the Wild Life Protection) Act, 1972, (ii) Critically Polluted areas as notified by the Central Pollution Control Board from time to time, (iii) Notified Eco-sensitive areas, (iv) inter-State boundaries and international boundaries.

*Considering the historical significance of the site, guidelines as per the Act have been considered in the design components

Applicability of Acts/Guidelines	Compliance Criteria
The Indian Wildlife (Protection) Act, 1972, amended 1993, The Wild Life (Protection) Amendment Act, 2002	This Act provides guidelines for protection of [Wild animals, birds and plants] and for matters connected therewith or ancillary or incidental thereto. It also states the norms for hunting of wild animals, prohibition of picking, uprooting, etc., of specified plants. The Act deals with the declaration of area as Sanctuary, National Park, and closed area and also states the restriction of entries in the sanctuary. There is no protected area in the vicinity. Not Applicable for the subproject
Biodiversity Act 2002 and Biodiversity Rules 2004	The Act essentially controls access to indigenous biodiversity resources. No agency/person referred to in sub-section (2) shall, without previous approval of the National Bio-diversity Authority, obtain any biological resource occurring in India or knowledge associated thereto for research or for commercial utilization or for bio-survey and bio-utilization. Not Applicable for the subproject
ADB Safeguard Policy Statement, (2009)	Categorization of subproject components into A, B or C and developing required level of environmental assessment for each component. Sub-project is Category B as no significant impacts are envisaged.

8. It can be observed from Table-1, that the proposed sub-project does not need to go through a full-scale environmental assessment process; as the scale of impacts and categorization of the sub-project components will not require clearances from Competent Authorities. The environmental screening (**REA Checklist Annexure 1**) reveals that the most significant environmental impacts are anticipated during construction phase and are generic to construction activities. However since it is a conservation project aimed at adaptive reuse of the building, not much impacts are anticipated in the operation phase. Thus all impacts are site specific, reversible and can be readily mitigated supporting a Category B classification. The sub-project selection criteria specify that all project activities pertaining to “Restoration, Adaptive reuse & Revitalization of Champawat Fort” are in accordance with the provisions of the prevalent local norms and guidelines.

9. It can be observed from Table-1, that the proposed sub-project does not need to go through a full-scale environmental assessment process; as the scale of impacts and categorization of the sub-project components will not require clearances from Competent Authorities. The sub-project selection criteria specify that all project activities pertaining to “Restoration, Adaptive reuse & Revitalization of Champawat Fort” are in accordance with the provisions of Conservation and Adaptive Reuse of buildings with cultural and architectural significance.

10. The ADB guidelines, stipulate addressing environmental concerns, if any, of a proposed activity in the initial stages of Project preparation. For this, the ADB Guidelines categorizes the proposed components into categories (A, B or C) to determine the level of environmental assessment required to address the potential impacts.² The Rapid Environmental Assessment

²As per SPS 2009 projects are assigned to one of the following four categories: (i) **Category A.** A proposed project is classified as category A if it is likely to have significant adverse environmental impacts that are irreversible, diverse, or unprecedented. These impacts may affect an area larger than the sites or facilities

(REA) checklist method was followed as per ADB requirement to assess the potential impacts of the project in planning phase. The REA checklist is attached as Annexure I with this report. The subproject has been categorized as B as per the ADB's Safeguard Policy Statement (2009). Accordingly this IEE has been prepared to address the potential impacts, in line with the recommended IEE content and structure for Category B project. The IEE has been conducted based on Primary and secondary sources of information and field reconnaissance surveys and stakeholder consultations. Evaluation has been conducted for impacts likely to accrue due to location, design & pre-construction, construction, operation & maintenance. An EMP outlining the specific environmental measures to be adhered to during implementation of the subproject has been prepared.

E. Report Structure

11. This Report contains eight (8) sections including this introductory section: (i) Introduction; (ii) Description of Project Components; (iii) Description of the Existing Environment; (iv) Environmental Impacts and Mitigation Measures; (v) Environmental Management Plan; (vi) Public consultation & Information Disclosure; (vii) Findings and Recommendations; and (viii) Conclusions.

subject to physical works. An environmental impact assessment is required. (ii) **Category B.** A proposed project is classified as category B if its potential adverse environmental impacts are less adverse than those of category A projects. These impacts are site-specific, few if any of them are irreversible, and in most cases mitigation measures can be designed more readily than for category A projects. An initial environmental examination is required. (iii) **Category C.** A proposed project is classified as category C if it is likely to have minimal or no adverse environmental impacts. No environmental assessment is required although environmental implications need to be reviewed (iv) **Category FI.** A proposed project is classified as category FI if it involves investment of ADB funds to or through a FI (paras. 65-67).

II. DESCRIPTION OF PROJECT COMPONENTS

A. Project Overview

12. The project “Restoration, Adaptive-Reuse and Revitalization of Champawat Fort” involves the restoration of Champawat Forts – Rajbhunga Fort (Champawat tehsil) and Banasur Fort (Lohaghat tehsil) and minor restoration works in Golu Devta temple (3 kms from the Rajbhunga fort) and Goraknath temple (40 kms from Champawat) located in the Champawat town which is the district headquarters of the same name. The fort is located at 290 20’ 11” due North and 800 5’ 14” due East a top the city providing picturesque beauty of the town’s landscape. Both, Rajbhunga and Banasur Forts house the Tehsil office of district administration.

13. The district of Champawat is one of the easternmost towns of Kumaon divisions in Uttarakhand state perched at an elevation of 1,670mts above sea level. Champawat is a beautiful town with breathtaking landscapes and terraced fields, which offers the tourists with virtually everything they expect from nature, ranging from pleasant climate to varied wildlife and good places to trek. It is known for its beautiful architecture and carvings on the temples.

14. The people of Champawat are rich in cultural heritage and they still perform the rituals and fairs with equal interest, which they used to perform in 10th century.

15. Champawat is also a meeting ground of cultural crosscurrents from India, Nepal and even far southeast. It was primarily a trading outpost in the past and such junctures have interesting historical narratives. But for Champawat, the narratives have seldom come into the public domain. It is the endeavor of this project to restore the culturally significant site of the Rajbhunga Fort, Banasur Fort or collectively the Champawat Forts and interpret the historical anecdotes of the region for the visitor.

B. Present status

16. The Fort’s historical importance and its image as an important part of the town’s historic evolution is practically unknown to visitors. This loss of historical and cultural association to the fort by the local community is largely due to absence of appropriate usage of this historical edifice. The current usage of the fort as the Collectorate office is not conducive to create and sustain any form of cultural or historical association with the Fort.

Identified Problem areas:

- Unregulated Development
- Lack of re-use strategy
- Insensitive Additions and Repairs to the Site
- Complete Absence of Solid Waste Management and Disposal Systems
- Absence of Sanitation
- Lack of Accessibility
- Uncertainty in Terms of Long Term Site Management
- Lack of Balance between Natural Surroundings and Historic Elements
- Inadequate Parking Facilities and Walkways
- Lack of Tourism Infrastructure
- Potential of the Site is Under-utilized.

C. Project components

17. The scope of this sub-project includes:

- a) **Restoration of the historic sites:** Rajbhunga Fort and Banasur Forts, or collectively Champawat Forts, Restoration of Golu Devta temple (3 kms from the Champawat fort) and Goraknath temple (40 kms from Champawat)
- b) **Revitalization of the entire precinct** as a public space for experiencing regional history and culture, through creation of facilities.

(i) **Rajbhunga Fort:**

- Removal of existing and undesirable structures
- Remodelling and reconstruction of existing structures: **Old Fort & Tehsil Office and SDM Office, Durga Devi Temple, Courtyard and Ramparts.**
- Providing Tourist Facilities and Amenities at fort like Ticket Counter, Tourist Interpretation Centre, Cafe & Shop, Souvenir Shop, Library, Toilet Block, Creation of link walk way & Improving the existing road and Lanes, 12 Bed Hotel, with 2 suites, Entrance way & Reception, Water & Waste Management, Solar lights.

(ii) **Banasur Fort:**

- Removal of existing and undesired structures and relocation
- Remodelling and reconstruction of existing structures: 03 Gazebos en route, shed on hilltop for café
- Preparation of platform etc. on site for Adventure Sport

(iii) **Golu Devta Temple:**

- Repair of Approach to Golu Devta Temple
- Improvement of Worship Space at Golu Devta Temple

(iv) **Guru Goraknath Temple:**

- Shed and Railing at Gorakhnath Temple
- Restoration of Wall at Gorakhnath Temple
- Gazebos en route Gorakhnath Temple

(v) **Other scope:**

- Assisting in building capacities among rural communities and their organizations engaged in the practice of local art forms, craft and village based organic produce
- Training on heritage management and tourism-related skills in Champawat town to community people, giving equal opportunities to women and marginalized,
- Developing a range of master plans and management plans for environmental protection, restoration and development guidelines, cultural preservation, and pilgrim management.
- Assisting in building the institutional/organizational capacities of various sector agencies in management, reuse and revitalization of the historic site.
- Printing and publishing of literature on the site and its nearby attractions, for instance books, brochures, guide maps etc.
- Effective social media management.

- Creating a dedicated website leading to more effective web presence for the region.

D. Project Implementation Schedule

18. The implementation period for the proposed subproject is 24 months. Construction of all elements will begin in the fourth quarter of 2014, and work will be completed in the fourth quarter of 2016.

III. DESCRIPTION OF EXISTING ENVIRONMENT

19. The district of Champawat constituted in the year 1997 is situated between 29 degree 5 minutes and 29 degree 30 minutes in northern altitude and 79 degree 59 minutes and 80 degree 3 minutes at the center of eastern longitude. The Ram Ganga River acts as a border between Champawat and Pithoragarh in north while Jabgura and Pannar rivers in south and west act as a border between Champawat, Udham Singh Nagar and Almora districts simultaneously. The long chain of mountain in southwestern region acts as a border between the district Champawat and Nainital district. It is important from the defence point of view as in the east Kali river acts the international border between Nepal and India. The geographical coverage of Champawat is about 1613 sq. km.

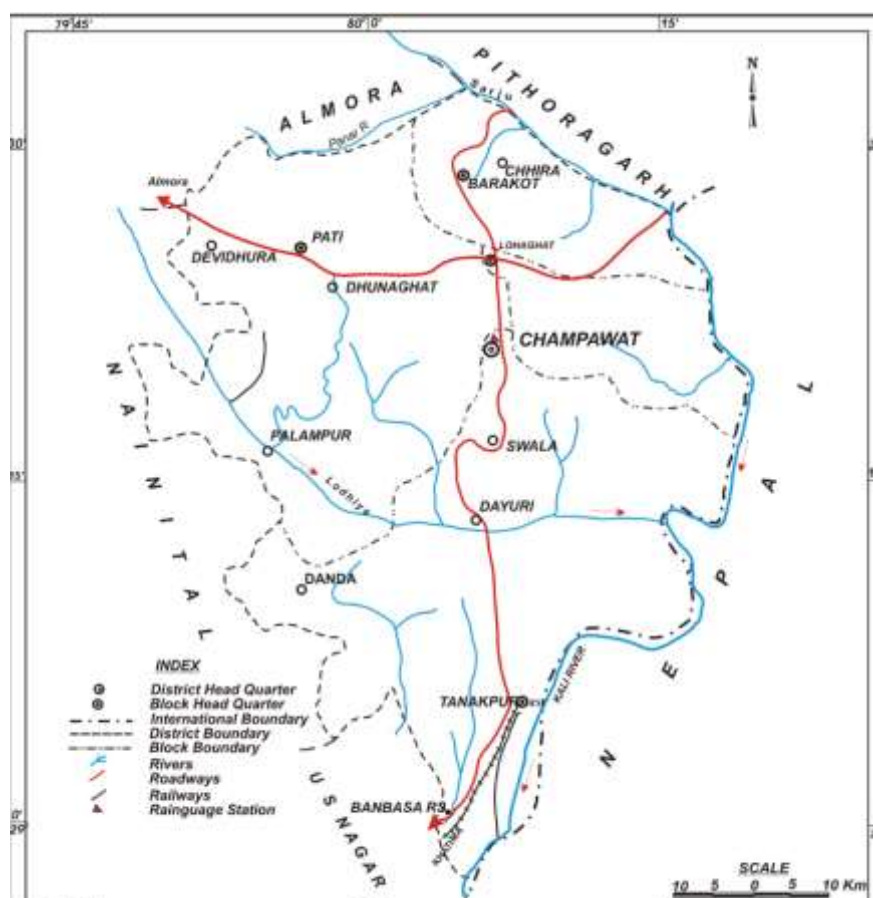
20. It includes two Tehsil and four development blocks and 691 revenue villages. The district owes its name to King Arjun Deo's daughter Champawati. Earlier this district was a part of district Almora. In 1972 the Champawat Tahsil of Almora district was transferred to Pithoragarh. On 15th Sep, 1997 Champawat district was given an independent identity.

Figure 1: Administrative Structure of Champawat District

Sl. No	Name Block	Reported Area (km ²)	Name of Tehsil	No. of Villages	No. of Towns
1	Pati	244.0	Barakot	717	2
2	Barakot	181.0			
3	Lohaghat	216.0	Lohaghat		1
4	Champawat	471.16	Champawat		1
Forest		831.65			
Urban area		11.45			
Total		1955.26			

Source: www.champawat.nic.in

Figure 2: Administrative Map of Champawat District



A. Physical Environment

21. Uttarakhand lies in the northern part of India amidst the magnificent Himalayas and dense forests. The State is bordering Himachal Pradesh in the north-west and Uttar Pradesh in the South and shares international borders with Nepal and China. The State is comprised of 13 districts, these are; Pithoragarh, Almora, Nainital, Bageshwar, Champawat, Uttarkashi, Udham Singh Nagar, Chamoli, Dehradun, Pauri, Tehri Garhwal, Rudrapur, and Haridwar. Geographically, the state lies in the northern Himalayas between $28^{\circ}53'24''$ to $31^{\circ}27'50''$ North latitude and $77^{\circ}34'27''$ to $81^{\circ}02'22''$ East longitude. The State has an area of 53,483 sq. km. and a population of about 10.08 million as per census 2011.

22. Uttarakhand is divided into two regions and also called administrative divisions, basically following terrain: the Kumaon and Garhwal. The Kumaon division located southeast of the state and composed of Almora, Bageshwar, Champawat, Nainital, Pithoragarh, and Udham Singh Nagar. The Kumaon region is part of the vast Himalayan track and the sub-mountains of Terai and Bhabhar. The region is drained by Gori, Dhaul, and Kali from the Tibetan mountains, and Pindari and Kaliganga which ultimately joins Alaknanda River. The Garhwal division is composed of Chamoli, Uttarkashi, Rudrapur, Tehri Garhwal, Pauri, Dehradun, and Haridwar districts and is entirely on rugged mountain ranges dissected by valley, and deep gorges. The Alaknanda River, the main source of the Ganges, traces its headwaters in this region.

Figure 3: Map showing Uttarakhand Divisions

23. This section presents a brief description of the existing environment of the sub project region, including its physical, ecological resources, and socio-economic condition. Broad aspects on various environmental parameters such as geography, climate and meteorology, physiography, geology, seismology, ecology, socio-cultural and economic development parameters is listed. Secondary information has been compiled from websites of district administration and State Govt. Departments viz Tourism, Forest, etc.

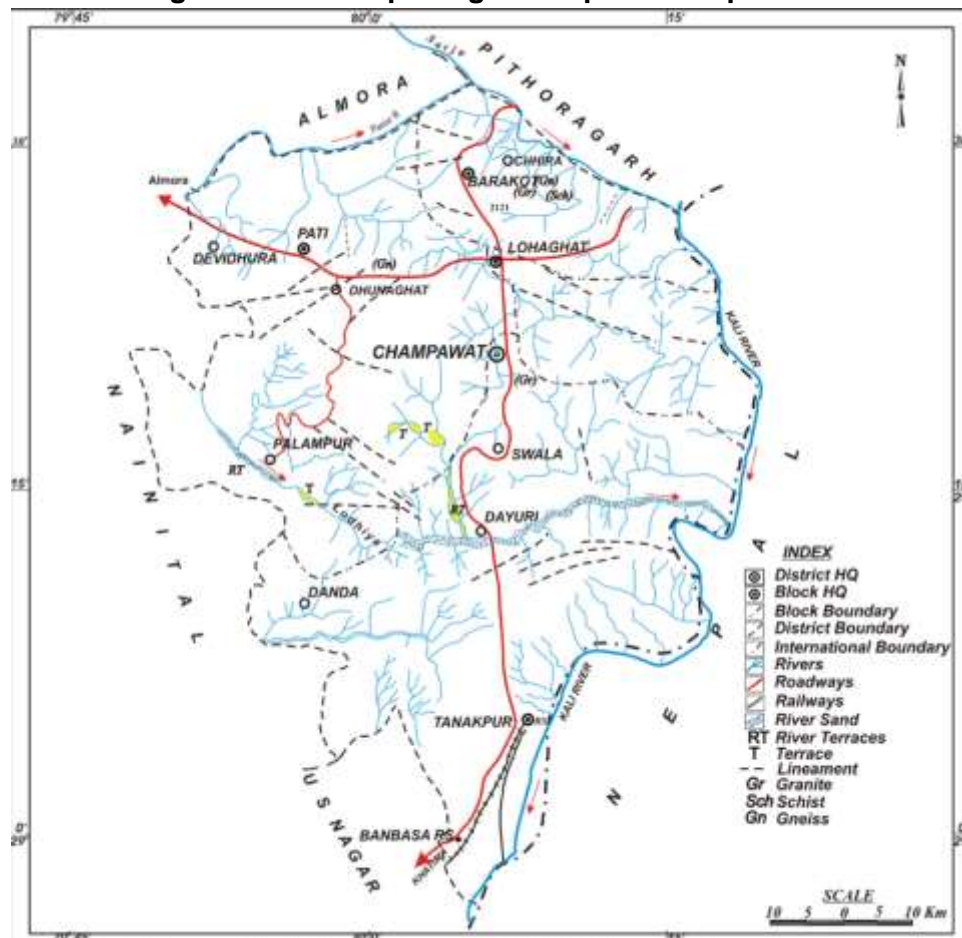
Figure 4: General Information of Champawat District

S.No	Items	Statistics
1	GENERAL INFORMATION	
	(i) Geographical area (Sq km)	1955.26
	(ii) Population (as on 2001 census)	224542
	(iii) Average Annual Rainfall (mm)	1085.62
	(iv) Annual Rainfall (mm) for the year 2007	1747.00
2	GEOMORPHOLOGY	
	Major physiographic units	High denudational mountains, river valleys and Bhabar zone.
	Major drainage	Ladhiya, Sarju, Kali river and tributaries like Lohawathi, Panar, Ratiya, Gandhak etc.
3	LAND USE (ha)	238636
	(a) Forest	122200
	(b) Net Sown area	27362
	(c) Area Sown more than once	17206
	(d) Cultivable Barren area	15273
4	MAJOR SOIL TYPES	Dystric Eutrochrepts, Typic Udorthents, Lithic Udorthents, Typic Dystrochrepts
5	AREA UNDER PRINCIPAL CROPS (ha)	54359.0

TOPOGRAPHY

24. Champawat mainly consists of mountain ranges, large valleys, uneven landscapes, rivers and rivulets. The important rivers are Ladhia, Sharda, Lohawati, Panaar, Jagbura and Ramganga. All these rivers amalgamate with Kali River at Pancheswar. Only the Sharda river which goes to Terai area flows through. On the basis of geographical distribution it can be divided in three main parts. First one, the 35 villages of Tanakpur (Purnagiri) Tehsil fall in Terai area and are important from the view point of plain and agricultural land and a warm area of an average height of 200 to 250 meter, having abundance of water and good soil. Second one is Shivalik which is situated at a height of 250 to 1200 meter. It represents a sloping and uneven topographical land consisting of dense forests. Third one is hilly area the average height of 1500 mts (from 1200 to 2200 mts).

Figure 5: Geomorphological Map of Champawat District



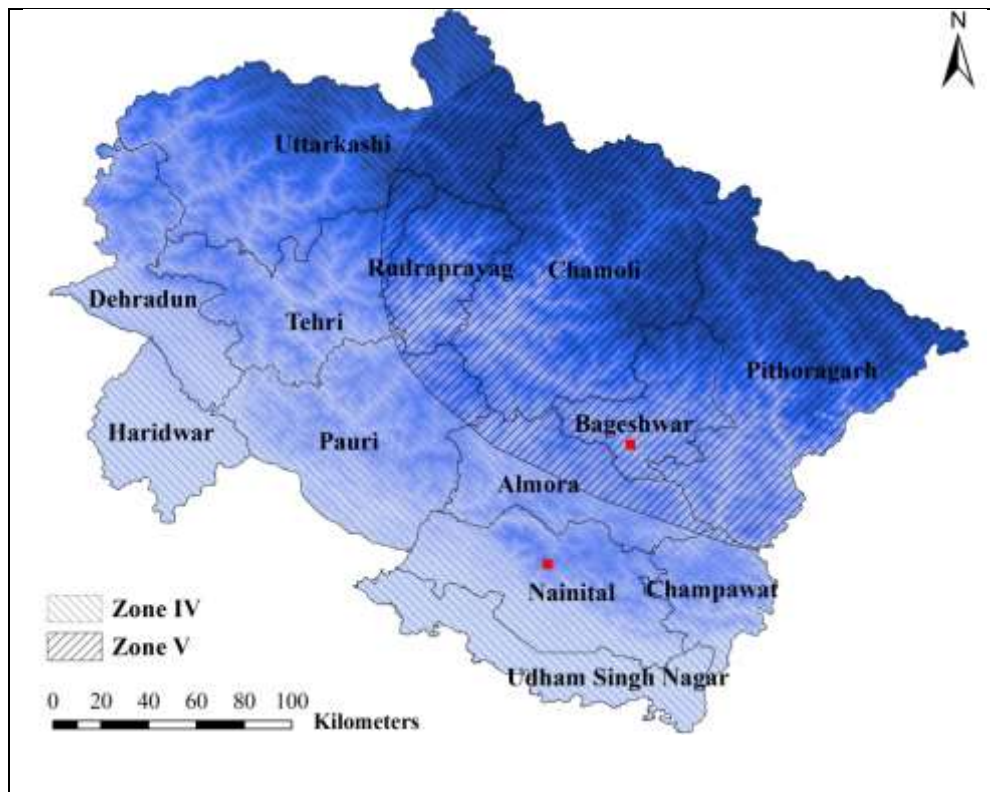
CLIMATE

25. The climate of the district is very differential. Terai area is hot whereas the hilly region is comparatively cold. High mountain ranges are covered with snow. The climatic condition of Terai and plains are similar, the seasonal rain is very high (about 20 cm. yearly). Summers are too hot and winters are too cold and foggy in Terai region. The climate of Shivalik is more or less same but the lower region of Himalayas experience cold climate throughout the year. In summers, Champawat district is pleasant. The temperature varies from 1 degree Celsius in the year to 35 degree Celsius. Summer months are May, June and July whereas Dec and Jan are very cold.

SEISMOLOGY

26. Uttarakhand Himalayas are one of the seismically active regions of the world and have experienced earthquakes since times immemorial. The region has also experienced tectonic movements. This is evident from several thrusts and faults present in and around the state. Two regional tectonic features in Uttarakhand, which have earthquake potential, are the main central thrust (MCT) and the main Boundary Thrust (MBT). In fact, these tectonic feature are present all along the entire Himalayan tectonic belt.

Figure 6: Seismic Zonation Map of Uttarakhand showing Project District



27. As per the seismic zoning map of India, as incorporated in Indian Standard Criteria for earthquake Resistant Design of Structure IS:1893-(Part I) 2002 : General Provisions and Buildings; the entire state of Uttarakhand has been assigned to seismic zone IV and V, which are the two most seismo-tectonically active zones on the map. **The district lies in Zone IV.**

B. Ecological Resources

28. Forestry

- i. The hilly State of Uttarakhand has a forest cover of 65% of its total geographical areas (slightly lower than the stipulated 66.6% forest cover for hilly states).
- ii. According to the India State of Forest report 2011, the recorded forest area of the Uttarakhand state is 34,651 km² which constitutes 64.79% of its geographical area. Reserve forests constitute 71.11%. Protected Forests 28.52% and Unclassed Forests constitutes 0.35% of the total forest area.
- iii. The distribution of forest cover by district is presented in the succeeding

Figure and Table. The Garhwal region has more forest cover with 14,626 km compared to the Kumaon region with 9,869 km². However, they are almost equal in terms of distribution over its territory with 45% and 47% of covered with forest. The district of Pauri Garhwal, Uttarkashi, Nainital, and Chamoli have the largest forest cover accounting for 50% of all the state's total.

Figure 7: Seismic Zonation Map of Uttarakhand showing Project District

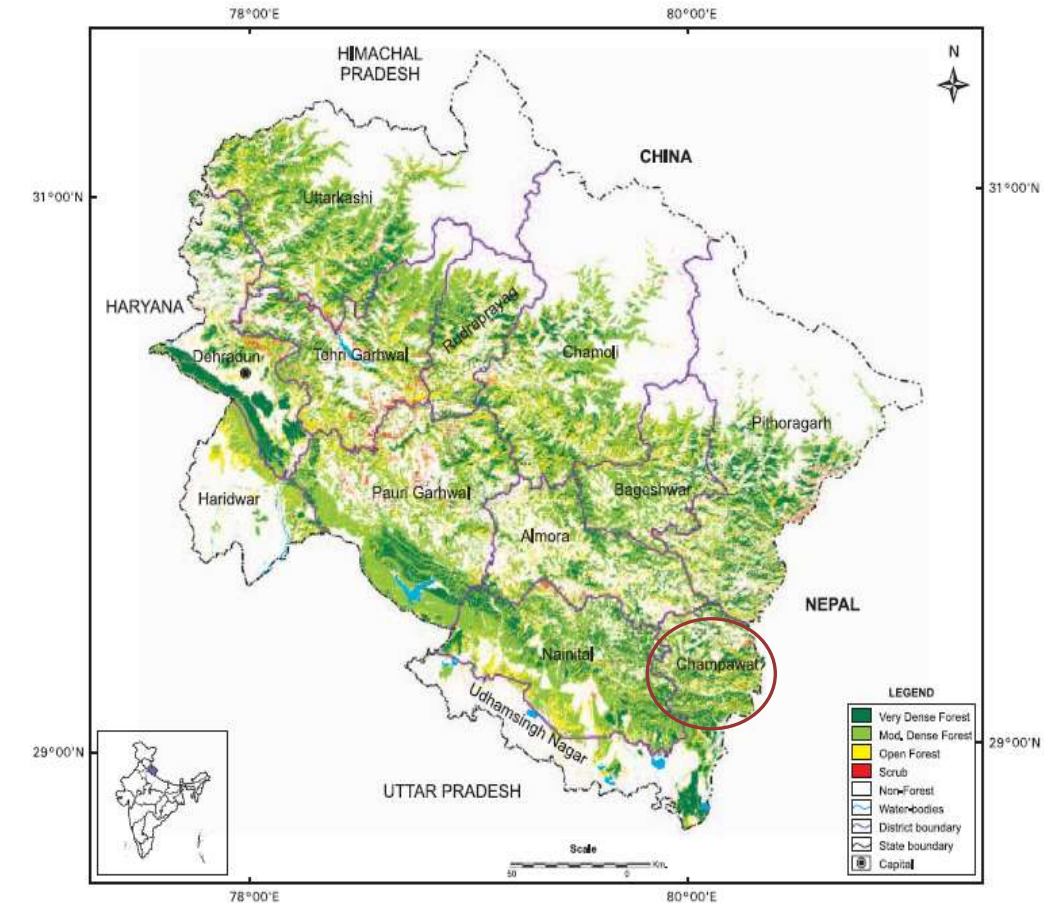


Table 2: District-wise Forest Cover, Uttarakhand

Region	District	Geographic Area	Forest Cover			Total Forest 2007	% of Total 2007
			Very Dense	Moderate Dense	Open Forest		
Garhwal	Uttarkashi	8,016	567	1959	619	3145	39.23
	Rudraprayag	1,984	246	581	298	1125	56.70
	Chamoli	8,030	427	1,586	682	2695	33.56
	Pauri Garhwal	5,329	523	2,094	672	3289	61.72
	Tehri Garhwal	3,642	298	1,232	617	2147	58.95
	Dehradun	3,088	584	695	328	1,607	52.04
	Haridwar	2,360	26	354	238	618	26.19
Sub-Total		32,449	2,671	8,501	3,454	14,626	46.91
Kumaon	Pithoragarh	7,090	567	1,115	412	2,094	29.53
	Bageshwar	2,246	194	883	304	1,381	61.49
	Almora	3,139	222	928	427	1,577	52.04
	Nainital	4,251	601	1,919	573	3,093	72.76
	Champawat	1,766	336	571	274	1,181	66.87
	Udham Singh Nagar	2,542	171	248	124	543	21.36
Sub-Total		21,034	2,091	5,664	2,114	9,869	50.38
Grand Total		5,3483	4,762	14,165	5,567	24,496	48.65
Notes:	Very Dense Forest – All lands with tree cover of canopy density of 70% and above Moderately Dense Forest – Canopy density between 40%-70% Open Forest – Canopy density between 10%-40%						

- iv. The proposed subproject is not expected to have any impact on the Forests and does not involve any tree cutting as the scope of the work is restricted to reconstruction and adaptive reuse of the Forts and the temples.

29. **Fauna & Flora.** Around 65 percent area of the district is covered with fauna and flora. Rest 35 percent is used as agricultural, non-agricultural and grazing land. Besides the hills, the plains are vegetated with plenty of exotic and traditional variety of plants such as Ecliptus, Babool, Teak, Sagon, Jamun, Bans, Bail, Madar etc. The 900-1800 metres slope of the southern hills is full of Chir trees. Besides this, the region is having various useful plants for human beings such as Amla, Ayer Tun and Khatic. The forest of the region is blessed with various kinds of wild life including tiger, elephant, Cheetal, Barahsingha, deer etc. Various kind of beautiful birds particularly Sarso, a sovereign bird is found every year during winter season is the specialty of the region.

30. **Biodiversity**

- i. The State of Uttarakhand is endowed with rich bio-diversity as manifested by its approximately 64 percent forest cover. The State has established six national parks and six wildlife sanctuaries for the conservation of flora and fauna. Such areas include the Nanda Devi National Park, Valley of Flowers, Gangotri National Park, Govind Pashu Vihar National Park, Rajaji National Park, Jim Corbett National Park, Kedarnath Wildlife Sanctuary, Askot Musk Deer Sanctuary, Mussoorie Sanctuary, Binsar Wildlife Sanctuary, Sanadi Sanctuary, and Govind Wildlife Sanctuary—all of which are being looked after by the Uttarakhand government. A positive remark on the State is that it maintains rich wildlife outside their protected areas.
- ii. The State of Uttarakhand is represented by Biogeographic Zones 2B Western

Himalaya and 7B Siwaliks³ in this region. About 18.7 % of the total area under the Forest Department has been clearly earmarked for biodiversity conservation by the creation and management of 12 Protected Areas (PA) and a biosphere reserve in the State.

- iii. The proposed site has no protected area in vicinity.

31. **Irrigation & Water Drainage.** The district is rich with natural perennial rivers and rivulets. Because of Lohawati, Jagbura, Ramganga, Kali and other rivers the scarcity of water has never been felt, but due to uneven geographical condition the major portion of water drains off through small rivers and rivulets. Only about 9 percent of total land is termed as agricultural irrigated land of the region. The major portion of land is dependent on the rain water only, which has adverse effect on agricultural production. Despite plenty of resources the habitants of the area are dependent of the rain water. In the villages women usually cover a long distance for collection of drinking water.

32. **Economy**

- i. District of Champawat has 65 percent of the area under forest and net sown area is less than 10 percent. Only about 9% of the sown area is irrigated and agriculture is mainly rainfed. Consequently, it is at subsistence level and only traditional crops are grown.
- ii. Around 82 percent of workers are engaged in agriculture and there are negligible workers in household or non-household industry. On a very limited sown area a large number of people are dependent.
- iii. Although 68 percent of the villages have been electrified. But quality of power supplied is poor. There is 372 Km road length available for one lakh population and 477.5 km on every 1000 sq. km area. The nearest rail head is Tanakpur a distance of 75 km. One bank branch is available for more than 8000 population. There are total 27 Bank Branches available
- iv. The economy of the district is based on agriculture and to some extent on minor forest produce and vegetable production. Lack of agricultural land and resources has always been a reason for the poor economic status of the rural poor. A large number of males are serving in the armed forces of the country. The family economy is more or less dependent on the money order system. The females of the region have to look after their family. The agriculture production is less as compared to the effort put in.
- v. However, the economic condition of sub project area Champawat and Lohaghat is comparatively better due to seasonal production of fruits. A few males are involved in conventional traditional work for the maintenance of livelihood, such as pottery, carpentry, blacksmith etc. Few villagers are also involved in animal husbandry. There are no small or medium scale industry in the region. As a result majority of population of the youth are unemployed. The region is well connected with hills and the plains through highways which has given rise to small shops and dhabas. Quite a few people are engaged in this business.
- vi. Champawat district is characterized by money order economy as a large number of males are working outside in big cities like Delhi, Lucknow, and Bombay etc. either in the armed forces or other jobs since there are no employment opportunities in the district. Therefore, there is a large number of women headed households. The district is economically and socially backward with acute poverty and society ridden with outmoded traditions and even superstitions. The status of women is coupled with discrimination against girl child. The women suffer from all kinds of social disabilities and at

³ Negi, A.S., Status, Distribution and Management of Mountain Ungulates in Uttaranchal, Envis Bulletin, 2002

the same time handling each and every responsibility of domestic work as well as collection of fuel and fodder and in large cases drinking water from distant places. All these factors adversely affect educational development of girls especially of poorer sectors of society and those living in remote areas.

33. Air Quality And Noise Quality

- i. The remoteness, pristine environment and sparse population suggest that most part of Champawat has a very good air quality. Any point or non-point pollution sources of air pollution (except vehicular emission) were not observed throughout the survey period. It was observed that the traffic on the roads is too low to cause significant air pollution due to vehicular exhaust. There are no industries in the vicinity and hence any other source of atmospheric air pollution is not expected. The air pollution level expected to be well within the permissible limits because there are no major sources of pollution in the region.
- ii. *Since there is no official/published air quality data available for this district, the baseline data on ambient air quality will be generated by the contractor before commencement of construction works.*
- iii. Generally, noise pollution is not a problem in project district. Traffic, and festival/cultural noises, along with noise generated from construction activities, DG sets etc., are the most prominent sources of noise in the urban areas. There are no industrial enterprises in the project area, hence traffic is the only source of noise pollution in the area. As the traffic is very low, the noise pollution either at point or non-point sources is unlikely in the project area. Moreover, there will be not much rise in the noise levels to be brought about by the proposed activities as project proposes adaptive reuse of the building, anticipating not much noise generation during operation phase also. During the construction period, a temporary increase in the noise levels is expected due to movement of construction machineries and construction activities.
- iv. It was observed that ambient noise scenario in residential, commercial, and sensitive areas in the study area are quite low in general. *The baseline data on Noise levels will be generated by the contractor before commencement of civil works.*

34. Water Quality

- i. Based on the reconnaissance survey/site visit and visual observations, water seems to be unpolluted. The secondary data is generally not available/ accessible for surface water as well as ground water. There is very little documentation on the pollution status of rivers of the area. Based on limited records, the water quality of Uttarakhand's rivers, rivulets, and other natural water sources is generally good and no major source of water pollution was found.
- ii. The hand pumps, natural water seeping out from mountains locally called as "Naula", and natural water springs locally called as "Gadhera" represent the ground water sources in the hills. There are no major sources of water pollution in terms of point or non-point sources aside from natural landslides leading to deposition of debris in streams.
- iii. Proposed subproject is not expected to have any impact on the surface/ ground water quality. *The baseline data on Noise levels will be generated by the contractor before commencement of civil works.*

C. Social and Cultural Resources

35. Cultural and Archeological resources

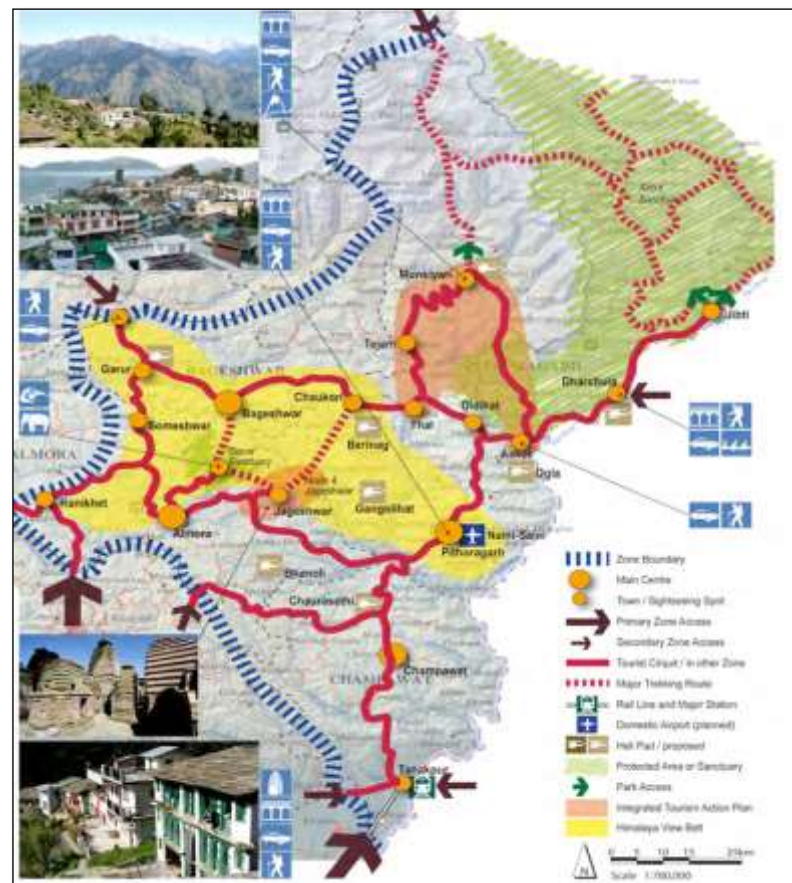
- i. The State of Uttarakhand has a great range of cultural practices. Festivals and cultural activities are being celebrated throughout the year in the State. The major fairs and festivals of the Garhwal region include the Hatkalika Fair, Tapkeshwar Fair, Surkhanda Devi Mela, Kunjapuri Fair, Lakhawar Village Fair, and Mata Murti Ka Mela. On the other hand, major fairs and festivals in the Kumaon region consist of Uttarayani Mela, Shravan Mela (Jageshwar), Kartik Poornima at Dwarahat, Kasar Devi fair, and Nanda Devi mela.
- ii. There is one Archaeological site protected by Archaeological Survey of India (ASI), Baleshwar Temple, which is around 300 mt from the Rajbhunga Fort, however, sub project being a conservation project, the proposed project activities do not have any adverse impact on these sites.

D. Economic Resources

36. Aesthetics And Tourism

- i. Tourism is one of the strong pillars of the State economy. The State has high growth potential for tourism, be in nature, wildlife, adventure or pilgrimage tourism. Tourist arrivals in the state have been increasing over time. Expenditure on schemes for tourism development and promotion in the State has progressively increased over the years. Some of the major destinations with tourism potential include Haridwar (called 'The Gateway of God'), Rishikesh (the birth place of Yoga), Dehradun, Mussoorie, Almora, Kedarnath, Badrinath, Yamunotri, Gangotri, Jim Corbett National Park, Nainital, Ranikhet, and Pithoragarh.

Fig 8: Tourism Circuit Map of Zone 5 (sub project zone)



- ii. Champawat is known for its beautiful architecture and carvings on the temples.
- iii. The sub project rationale is to create a secular cultural space (at present the town is dotted with temples and ashrams) and make a concerted effort to engage all five senses of the visitor, attracting people to the site and places around it, telling the story of Champawat and surroundings.
- iv. The sub-project envisages a substantial rise in tourism interest in Champawat as a destination, leading to sustainable and equitable economic growth in the region. The site will lead to a 10% growth in direct employment generation through tourism activity, also contributing an increase of about 15% in the real income levels in the district of Champawat. The sub-project, once implemented, would enhance the duration of stay for the average visitor by at least twenty-four hours.
- v. More significantly, since the sub-project is located in the heart of the town, it can be an equal-opportunities employer and benefits to the economy will trickle down to the local populace that derives sustenance from direct employment in the main bazaar. The sub-project will substantially increase footfalls in the local eateries, guesthouses and hotels, located within the Town. This will lead to the building of capacities for stakeholders already engaged in tourism as a sector of employment.
- vi. The Strengths, Challenges, Opportunities & Risks (SCOR) Analysis of Champawat Fort Restoration Sub-project is presented in the following table:

Table 3: SCOR Analysis of Champawat Forts

STRENGTHS	CHALLENGES
<ul style="list-style-type: none"> • Champawat is a crossroads of culture and trade, both in the south-north and the east-west corridors. Hence, geographical location is appropriate • Champawat town has a historical connect with arts and culture and hence the centre has an appropriate context. • The connection with spirituality and situation of sacred sites in proximity, renders the site an appropriate place for developing an experience based tourism product. • The site has unique historic value, unparalleled by any other in the region. • The site represents a unique amalgam of architectural styles, representing a true picture of Champawat • The site's location, at the pinnacle in the heart of the town can easily make the project viable through appropriate footfalls. 	<ul style="list-style-type: none"> • Getting the key stakeholders to come together to ensure success of the project. • The region has developed an identity as a spiritual destination. To add the experiential input through an arts and culture centre would require a longer gestation period. • Setting up the institutional framework to ensure the quality of services and software offered to the visitor over a long period of time. • Putting in place, mechanisms that will ensure striking a balance between imperatives of conservation and handling of visitor influx. • The project has to walk the tightrope between close coordination with government agencies and yet retain an independent character to ensure the quality of experience offered.
OPPORTUNITIES	RISKS
<ul style="list-style-type: none"> • Absence of a destination offering experiential tourism in the area of arts and culture could be a unique selling proposition. • There is no Himalayan Art Gallery in the state and this could be unique meeting point for artistes and art lovers and even buyers. • Champawat's associational significance to cross-culture currents could be fully utilized. • Would be unique example of heritage preservation with viable re-use. • The unique elevation of the site providing visibility shall lend character to the town, once the ramparts are illuminated. • The imperative of conservation is already on the government as the site is under serious stress. A reuse mechanism will make the conservation effort more meaningful. 	<ul style="list-style-type: none"> • Spiritual or religious tourists may choose to ignore the site. • A social media push has not been tried for any site. • There would be a need to constantly innovate and attract visitors if the site is to become a vibrant arts' centre. The right human and cultural resources need to be identified and supported and implementing agency may not be equipped to make those choices. • Political interference and influence may be exerted to influence work once the reputation of the centre is established. • Just having a centre as an island with environmental degradation around will not help. The town, if it does not rise to the occasion the centre will promise, the centre in itself may not be able to give the desired push to tourism footfall. • The possibility of lack of ability to address issues comprehensively and rather focusing on unilateral perspective of tourism development without addressing the planning, protection, management aspects can adversely affect the perception of quality of services.

IV. ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

37. The assessment of environmental impacts for the proposed interventions under this package has been carried out during the preparation of the SAR. An environmental assessment using ADB's Rapid Environmental Assessment (REA) checklist for urban development (Appendix 1) was conducted. The following are categories of impacts assessed:

Location impacts. Impacts associated with site selection, including impacts on environment and resettlement or livelihood related impacts on communities

Design impacts. Impacts arising from project design, including the technology used, scale of operations etc.

Construction impacts. Impacts resulting from construction activities including site clearance, earthworks, civil works, etc.

O&M impacts. Impacts associated with the operation and maintenance of the infrastructure built in the project.

A. Land Acquisition and Resettlement Impacts.

38.

- (i) The sites of subproject Package No. UK/IDIPT/BHT/04 components are government-owned land thus will not require land acquisition. It will also not require diversion of forest land. The location is within the area designated for eco- tourism as part of developing Uttarakhand's conservation, heritage, natural and cultural attractions, and are outside areas demarcated for habitat protection and conservation. The proposed sub-project envisages upgrading the infrastructure and adaptive reuse of existing Rajbhunga and Banasur Fort Complex and temples. The custodian of the Banasur Fort Complex is the State Culture Dept., which has been requested to grant NOC for the proposed works in the Banasur Fort. No additional land is to be acquired. For shifting of the Collectorate Office, in both the Forts, consultations have been carried out, and is under progress. No objection certificate from District Administration, for restoration of both the Forts is enclosed as Annexure IV A. Letter to the Secretary Tourism is enclosed as Annexure IV B. NOCs from Temple Committee of Golu Devta and Gorakhnath temple are enclosed as Annexure IV C. Letter to the State Culture Dept. for Banasur Fort, is enclosed as Annexure IV D.
- (ii) The sub-project will not entail any permanent land acquisition and resettlement impact. All the implementation activities will be confined to land under control of the government of the state.
- (iii) The scale of interventions does not trigger any Involuntary Resettlement (IR) of people. As per design and confirmation with design engineer, there are no expected impacts on private land, private properties like housing, shops, commercial buildings, religious and community infrastructure. In the Sub-Project intervention, full or partial, permanent or temporary, physical and economic displacements are conspicuously absent. Summarising, there are no Project Affected Persons; no land or structure is to be acquired, no common property resources are affected. Since no encroachment was noticed during the site visit and transect walk, also there is no livelihood loss of the community due to the construction of these structures. (**Section from the DDR**).

39. Measures to Mitigate Location Impacts

- i. In accordance with the provisions in the subproject selection criteria, the

subproject design will include adequate provisions for ensuring effective maintenance and protection of the assets created so as to ensure the long term sustainability of the sites.

- ii. Designs will be worked out and implemented in accordance with the provisions. Further, the design guidelines for the project components will conform to Archaeological Survey of India Guidelines. The other reference codes/Standards/ Guidelines consulted include US Secretary of Interior's Standards, Great Britain's National Trust for Places of Historic Interest and Beauty Guidelines and INTACH Architectural Heritage Division benchmarks.

40. **Design considerations to avoid environmental impacts:** Since it is a heritage restoration project, impacts arising from the inappropriate designs of proposed facilities are not likely. All component designs will be worked out to minimize any impacts on the adjoining properties, and the drainage and sewerage connections on the road. Given that there is a need for disposal of construction wastes, the contractors will be required to consult with the Project Implementation Unit (PIU) and Champawat Nagar Palika Parishad for safe disposal sites.

41. **Measures to Mitigate Design Impacts**

- i. Design of proposed components will enable efficient drainage at the project site and maintain natural drainage patterns.
- ii. Designs will be worked out in such a manner that exposed steel and concrete structures are avoided. The obsolete and inappropriate additions will be removed. The design brief for all components proposed will strictly conform to the Uttarakhand architecture. Any new landscaping elements will only utilize native species to protect local biodiversity

42. **Technical Suitability:** The intervention proposed would be of non-destructive nature. Most alterations to the site, currently made to it, are in blatant contravention of heritage conservation norms. Removing the same shall not lead to any danger or defacement of the site, but will in fact add to its appearance.

43. No additional land is required for the sub-project. The entire work components will be carried out within the available government land. Thus, telephone lines, electric poles and wires, water and sewer lines will not be affected. The storm water runoff from alterations of the site's natural drainage patterns due to landscaping, excavation works in the Champawat Forts Complex and landscaping near the surroundings will be taken care in the designs. Selection of materials and construction technologies shall be carefully chosen as per the heritage restoration guidelines. Designs will ensure :

- Incorporation of adequate drainage provisions
- Natural tree species in the proposed landscape.
- Use of materials such that architectural character of the site is maintained.

B. **Environmental Impacts**

44. **Determination of Area of Influence.** The primary impact areas are (i) sites for subproject UK/IDIPT/BHT/04 components; (ii) main routes/intersections which will be traversed by construction vehicles. The secondary impact areas are: (i) entire town area outside of the delineated primary impact area; and (ii) entire Champawat district in terms of over-all environmental improvement.

45. In the case of this subproject UK/IDIPT/BHT/04 the components will involve straight

forward construction and operation, and impacts will be mainly localized, short in duration and expected only during construction period.

46. Pre-construction Impacts and Mitigation Measures

- a. **Consents, permits, clearances, no objection certificate (NOC), etc.** Failure to obtain necessary consents, permits, NOCs, etc. can result to design revisions and/or stoppage of works.
- b. **Mitigation measures.** The following will be conducted during detailed design phase:
 - Obtain all necessary consents, permits, clearance, NOCs, etc. prior to start of civil works.
 - Acknowledge in writing and provide report on compliance all obtained consents, permits, clearance, NOCs, etc.
 - Include in detailed design drawings and documents all conditions and provisions if necessary

47. Erosion control. Most of the impacts will occur due to earth works during construction phase. Prior to commencement of civil works, the contractor will be required to:

- Develop an erosion control and re-vegetation plan to minimize soil loss and reduce sedimentation to protect water quality.
- Minimize the potential for erosion by balancing cuts and fills to the extent feasible.
- Identify and avoid areas with unstable slopes and local factors that can cause slope instability (groundwater conditions, precipitation, seismic activity, slope angles, and geologic structure).
- Minimize the amount of land disturbed as much as possible. Use existing roads, disturbed areas, and borrow pits and quarries. Minimize vegetation removal. Stage construction to limit the exposed area at any one time.

48. Sites for construction work camps and areas for stockpile, storage and disposal. The priority is to locate these near the subproject sites. The contractor will be required to meet the following criteria for the sites:

- Will not promote instability and result in destruction of property, vegetation, irrigation, and drinking water supply systems, etc.
- Residential areas will not be considered so as to protect the human environment (i.e., to curb accident risks, health risks due to air and water pollution and dust, and noise, and to prevent social conflicts, shortages of amenities, and crime).
- Disposal will not be allowed near sensitive areas which will cause inconvenience to the community.
- Any construction camp site will be finalized in consultation with DSC and PIU.

49. Sources of construction materials. For the construction material required for this sub project, considering that the extraction of materials can disrupt natural land contours and vegetation resulting in accelerated erosion, disturbance in natural drainage patterns, ponding and water logging, and water pollution, the contractor will be required to:

- Use quarry sites and sources permitted by government.
- Verify suitability of all material sources and obtain approval from PIU/DSC.
- Submit to DSC on a monthly basis documentation of sources of materials.

50. The contractor will identify and seek prior approval of the DSC engineer for quarrying and borrowing operations. Quarry and borrowing will be carried only from approved locations and no new quarries will be opened for the purposes of the project. Any deviation from the provisions will be immediately notified and approval of the engineer is to be sought.

51. **Access:** Hauling of construction materials and operation of equipment on-site can cause traffic problems and conflicts in ROWs. However, potential impacts will be of short-duration, localized and can be mitigated. The contractor will need to adopt the following mitigation measures:

- Plan transportation routes so that heavy vehicles do not use narrow local roads, except in the immediate vicinity of delivery sites.
- Schedule transport and hauling activities during non-peak hours.
- Locate entry and exit points in areas where there is low potential for traffic congestion.
- Keep the site free from all unnecessary obstructions.
- Drive vehicles in a considerate manner.
- Notify affected sensitive receptors by providing sign boards with information about the nature and duration of construction works and contact numbers for concerns/complaints.
- Provide free access to households and businesses/shops along the ROWs during the construction phase.

52. Summary of pre-construction activities is presented in Table 4. The responsibilities, monitoring program and costs are provided in detailed in the EMP. The contractor is required to update the information during detailed design phase.

Table 4: Summary of Pre-Construction Mitigation Measures

Parameters	Mitigation Measures
Consents, permits, clearances, no objection certificate (NOC), etc.	Obtain all necessary consents, permits, clearance, NOCs, etc. prior to start of civil works. Acknowledge in writing and provide report on compliance all obtained consents, permits, clearance, NOCs, etc. Include in detailed design drawings and documents all conditions and provisions if necessary
Erosion control	<ul style="list-style-type: none"> • Develop an erosion control and re-vegetation plan to minimize soil loss and reduce sedimentation to protect water quality. • Minimize the potential for erosion by balancing cuts and fills to the extent feasible. • Identify and avoid areas with unstable slopes and local factors that can cause slope instability (groundwater conditions, precipitation, seismic activity, slope angles, and geologic structure). • Minimize the amount of land disturbed as much as possible. Use existing roads, disturbed areas, and borrow pits and quarries when possible. Minimize vegetation removal. Stage construction to limit the exposed area at any one time.
Utilities	<ul style="list-style-type: none"> • Identify and include locations and operators of these utilities in the detailed design documents to prevent unnecessary disruption of services during the construction phase. • Require contractors to prepare a contingency plan to include actions to be done in case of unintentional interruption of services. • Obtain from the PIU and/or DSC the list of affected utilities and operators; • Prepare a contingency plan to include actions to be done in case of unintentional interruption of services. • If relocations are necessary, contractor will coordinate with the providers

Parameters	Mitigation Measures
	to relocate the utility.
Social and Cultural Resources	<ul style="list-style-type: none"> • Develop a protocol for use by the construction contractors in conducting any excavation work, to ensure that any chance finds are recognized and measures are taken to ensure they are protected and conserved.
Sites for construction work camps, areas for stockpile, storage and disposal	<ul style="list-style-type: none"> • Will not promote instability and result in destruction of property, vegetation, irrigation, and drinking water supply systems, etc. • Residential areas will not be considered so as to protect the human environment (i.e., to curb accident risks, health risks due to air and water pollution and dust, and noise, and to prevent social conflicts, shortages of amenities, and crime). • Disposal will not be allowed near sensitive areas which will cause inconvenience to the community.
Sources of construction materials	<ul style="list-style-type: none"> • Use quarry sites and sources permitted by government. • Verify suitability of all material sources and obtain approval from PIU/DSC. • If additional quarries are required after construction has started, obtain written approval from PIU/DSC. • Submit to DSC on a monthly basis documentation of sources of materials.
Access	<ul style="list-style-type: none"> • Schedule transport and hauling activities during non-peak hours. • Locate entry and exit points in areas where there is low potential for traffic congestion. • Keep the site free from all unnecessary obstructions. • Drive vehicles in a considerate manner. • Notify affected sensitive receptors by providing sign boards with information about the nature and duration of construction works and contact numbers for concerns/complaints. • Provide free access to households and businesses/shops along ROWs during the construction phase.

Anticipated Construction Impacts and Mitigation Measures

53. **Construction Schedule and Method.** As per preliminary design, construction activities will cover 24 months. The exact implementation schedule will be updated during detailed design phase and will be reflected in the IEE. The infrastructures will be constructed according to design specifications and Guidelines of Archaeological Survey of India, US Secretary of Interior's Standards, Great Britain's National Trust for Places of Historic Interest and Beauty Guidelines and INTACH Architectural Heritage Division benchmarks.

54. Demolished materials will be reused to the maximum extent possible. Materials will be brought to the storage site (selected in consultation with DSC Expert) by trucks and will be transported and stored on unused areas within the fort complex. The working hours will be 8 hours daily, the total duration of each stage depends on the soil condition and other local features.

55. Suitable and sufficient space for construction equipment and stockpiling of materials will be marked prior to work start and the contractor will need to remove all construction and demolition wastes on a daily basis.

56. Although this is a restoration work and construction of these project components involves quite simple techniques of civil work, the nature of works and the location of subproject sites in built-up areas where there are a variety of human activities, will result to impacts to the environment and sensitive receptors such as residents, businesses, and the community in general. These anticipated impacts are short-term, site-specific and within relatively small areas.

57. **Erosion Hazards:** The sites are in the built up area of the town therefore risk of erosion is low, limited during construction activities and not expected to have any negative impact on the drainage and hydrology of the area. Runoff will produce a highly variable discharge in terms of volume and quality, and in most instances will have no discernible environmental impact. The contractor will be required to:

- Save topsoil removed during excavation and use to reclaim disturbed areas, as soon as it is possible to do so.
- Use dust abatement such as water spraying to minimize windblown erosion.
- Provide temporary stabilization of disturbed/excavated areas that are not actively under construction.
- Apply erosion controls (e.g., silt traps) along the drainage leading to the water bodies.
- Conduct routine site inspections to assess the effectiveness of and the maintenance requirements for erosion and sediment control systems.

58. **Impacts on Water Quality:** Excavated materials may end up in drainages adjacent to the subproject sites, particularly during monsoon season. Other risks of water pollution may be caused by: (i) poorly managed construction sediments, wastes and hazardous substances; and (ii) poor sanitation practices of construction workers. The contractor will be required to:

- Schedule civil works during non-monsoon season, to the maximum extent possible.
- Ensure drainages within the construction zones are kept free of obstructions.
- Keep loose soil material and stockpiles out of drains, flow-lines and watercourses.
- Avoid stockpiling of excavated and construction materials (sand, gravel, cement, etc.) unless covered by tarpaulins or plastic sheets.
- Re-use/utilize, to maximum extent possible, excavated materials.
- Dispose any residuals at identified disposal site. DSC in consultation with the PIU will identify approved sites.
- Dispose waste oil and lubricants generated as per provisions of Hazardous Waste (Management and Handling) Rules, 1989.

59. **Impacts on Air Quality.** There is potential for increased dust particularly during summer/dry season due to stockpiling of excavated materials. Emissions from vehicles carrying construction materials and debris/materials to be disposed may cause increased in air pollutants within the construction zone. These are inherent impacts which are site-specific but have low magnitude and short in duration due to being a restoration project and can be easily mitigated. The contractor will be required to:

- Conduct regular water spraying on earth piles, trenches and sand piles.
- Conduct regular visual inspection along alignments and construction zones to ensure no excessive dust emissions.
- Maintain construction vehicles and obtain “pollution under control” certificate from UEPPCB.
- Obtain CFE and CFO for crushers, diesel generators, etc., if to be used in the project.

60. **Noise and Vibration Impacts.** Noise and vibration-emitting construction activities include earthworks, rock crushing, concrete mixing, movement and operation of construction vehicles and equipment, and loading and unloading of coarse aggregates. The significance

of noise and vibration impacts will be high in areas where noise-sensitive institutions such as health care and educational facilities are situated. These impacts will be temporary, short-term, intermittent, and expected to be in the range of 80 to 100 dB(A)

61. The contractor will be required to:

- Limit construction activities in fort complexes and other important sites to daytime only.
- Plan activities in consultation with the PIU/DSC so that activities with the greatest potential to generate noise are conducted during periods of the day which will result in least disturbance.
- Minimize noise from construction equipment by using vehicle silencers and noise-reducing mufflers.
- Avoid loud random noise from sirens, horns etc.
- Instruct drivers that horns not be used unless it is necessary to warn other road users or animals of the vehicle's approach.
- If specific noise complaints are received during construction, the contractor may be required to implement one or more of the following noise mitigation measures, as directed by the project manager
- Locate stationary construction equipment as far from nearby noise-sensitive properties as possible.
- Shut off idling equipment.
- Reschedule construction operations to avoid periods of noise annoyance identified in the complaint.
- Notify nearby residents whenever extremely noisy work will be occurring.
- Follow Noise Pollution (Regulation and Control) Rules, day time ambient noise levels should not exceed 65 dB(A) in commercial areas, 55 dB(A) in residential areas, and 50 dB(A) in silence zone.
- Ensure vehicles comply with Government of India noise limits for vehicles.

62. Impacts on Flora and Fauna. As per preliminary design, tree-cutting is not required. This will be reassessed during detailed design phase. There are no protected areas in the direct and indirect impact zones and no diverse ecological biodiversity as vegetation and animals found in the construction zones are common in built up/urban areas. The contractor will be required to:

- Conduct site induction and environmental awareness with the help of Environment Expert DSC.
- Limit activities within the work area.
- Replant trees in the area using minimum ratio of 2 new trees for every 1 tree cut, if any. Replacement species must be approved by DSC and PMU Forest Conservation Specialist and should be a native species.

63. Impacts on Physical Cultural Resources. There may be inconvenience to tourists, residents, businesses, and other road users due to construction activities in the fort complexes and slower flow of traffic in areas with narrow roads. This potential impact is site-specific, short-term and can be mitigated. The contractor will be required to:

- Ensure no damage to structures/properties near construction zone.
- Provide walkways and metal sheets where required to maintain access of people and vehicles.
- Provide sign boards to inform nature and duration of construction works and contact numbers for concerns/complaints.

- Implement good housekeeping. Remove wastes immediately. Prohibit stockpiling of materials that may obstruct/slow down pedestrians and/or vehicle movement.
- Ensure workers will not use nearby/adjacent areas as toilet facility.
- Coordinate with DSC for transportation routes and schedule. Schedule transport and hauling activities during non-peak hours. Communicate road detours via visible boards, advertising, pamphlets, etc.
- Ensure heavy vehicles do not use narrow local roads, except in the immediate vicinity of delivery sites.
- Provide instructions on event of chance finds for archaeological and/or ethno-botanical resources. Works must be stopped immediately until such time chance finds are cleared by experts.

64. **Impact due to Waste Generation.** Demolished structures will be reused to the maximum extent possible. Construction activities will produce excess excavated soils, excess construction materials, and solid wastes (such as removed concrete, wood, trees and plants, packaging materials, empty containers, oils, lubricants, and other similar items). These impacts are negative but short-term and reversible by mitigation measures. The contractor will need to adopt the following mitigation measures:

- Prepare and implement a waste management plan. Manage solid waste according to the following hierarchy: reuse, recycling and disposal.
- Include in waste management plan designated/approved disposal areas.
- Coordinate with DSC Environment Expert for beneficial uses of excavated soils/silts/sediments or immediately dispose to designated areas.
- Recover used oil and lubricants and reuse; or remove from the sites.
- Avoid stockpiling and remove immediately all excavated soils, excess construction materials, and solid waste (removed concrete, wood, trees and plants, packaging materials, empty containers, oils, lubricants, and other similar items).
- Prohibit disposal of any material or wastes (including human waste) into drainage, *nallah*, or watercourse.

65. **Impacts on Occupational Health and Safety.** Residential accommodation for workers is not proposed. Exposure to work-related hazards is typically intermittent and of short duration, but is likely to occur. Potential impacts are negative and long-term but reversible by mitigation measures. Overall, the contractor should comply with IFC EHS Guidelines on Occupational Health and Safety.

66. **The contractor will be required to:**

- Disallow worker exposure to noise level greater than 85 dBA for a duration of more than 8 hours per day without hearing protection. The use of hearing protection shall be enforced actively.
- Develop comprehensive site-specific health and safety (H&S) plan. The overall objective is to provide guidance to contractors on establishing a management strategy and applying practices that are intended to eliminate, or reduce, fatalities, injuries and illnesses for workers performing activities and tasks associated with the project.
- Include in H&S plan measures such as: (i) type of hazards during excavation works; (ii) corresponding personal protective equipment for each identified hazard; (iii) H&S training for all site personnel; (iv) procedures to be followed for all site activities; and (v) documentation of work-related accidents.

- Provide H&S orientation training to all new workers to ensure that they are apprised of the rules of work at the site, personal protective protection, and preventing injury to fellow workers.
- Ensure that qualified first-aid can be provided at all times. Equipped first-aid stations shall be easily accessible throughout the site.
- Provide medical insurance coverage for workers.
- Secure construction zone from unauthorized intrusion and accident risks.
- Provide supplies of potable drinking water.
- Provide clean eating areas where workers are not exposed to hazardous or noxious substances.
- Mark and provide sign boards in the construction zone, and areas for storage and disposal. Signage shall be in accordance with international standards and be well known to, and easily understood by workers, visitors, and the general public as appropriate.

67. **Impacts on Socio-Economic Activities.** Manpower will be required during the 18 months construction phase. This can help generate contractual employment and increase in local revenue. Thus potential impact is positive and long-term. During the operation of the project, anticipated impacts are positive owing to increase in revenue from tourism in the area. As per preliminary design, land acquisition and closure of roads are not required. However, construction activities may disturb the traffic in the market area and cause public discomfort. The potential impacts are negative and moderate but short-term and temporary. The contractor will need to adopt the following mitigation measures:

- Leave space for access between mounds of soil.
- Provide walkways and metal sheets where required to maintain access to shops/businesses along trenches.
- Consult businesses and institutions regarding operating hours and factoring this in to work schedules.
- Provide sign boards for pedestrians to inform nature and duration of construction works and contact numbers for concerns/complaints.
- Employ at least 50% of the labor force, or to the maximum extent, local persons within the 2-km immediate area if manpower is available.

68. **Summary of Mitigation Measures during Construction.** Table 5 provides summary of mitigation measures to be considered by the contractor during construction phase. The detailed mitigation measures, environmental monitoring and reporting requirements, emergency response procedures, related implementation arrangements, capacity development and training measures, implementation schedule, cost estimates, and performance indicators are provided in the EMP (Section IX).

Table 5: Summary of Mitigation Measures during Construction Phase

Potential Impact	Mitigation Measures
Erosion hazards	<p>Save topsoil removed during excavation and use to reclaim disturbed areas, as soon as it is possible to do so.</p> <p>Use dust abatement such as water spraying to minimize windblown erosion.</p> <p>Provide temporary stabilization of disturbed/excavated areas that are not actively under construction.</p> <p>Apply erosion controls (e.g., silt traps) along the drainage leading to the water bodies.</p> <p>Maintain vegetative cover within road ROWs to prevent erosion and periodically monitor ROWs to assess erosion.</p> <p>Clean and maintain catch basins, drainage ditches, and culverts regularly.</p> <p>Conduct routine site inspections to assess the effectiveness of and the maintenance</p>

Potential Impact	Mitigation Measures
	requirements for erosion and sediment control systems.
Impacts on water quality	<p>Schedule civil works during non-monsoon season, to the maximum extent possible.</p> <p>Ensure drainages and water bodies within the construction zones are kept free of obstructions.</p> <p>Keep loose soil material and stockpiles out of drains, flow-lines and watercourses.</p> <p>Avoid stockpiling of excavated and construction materials (sand, gravel, cement, etc.) unless covered by tarpaulins or plastic sheets.</p> <p>Re-use/utilize, to maximum extent possible, excavated materials.</p> <p>Dispose any residuals at identified disposal site (PIU/DSC will identify approved sites).</p> <p>Dispose waste oil and lubricants generated as per provisions of Hazardous Waste (Management and Handling) Rules, 1989.</p> <p>Refuel equipment within the designated refueling containment area away from drainages, <i>nallahs</i>, or any water body.</p> <p>Inspect all vehicles daily for fluid leaks before leaving the vehicle staging area, and repair any leaks before the vehicle resumes operation.</p>
Impacts on air quality	<p>Conduct regular water spraying on earth piles, trenches and sand piles.</p> <p>Conduct regular visual inspection along alignments and construction zones to ensure no excessive dust emissions.</p> <p>Spreading crushed gravel over backfilled surfaces if re-surfacing of disturbed ROWs cannot be done immediately.</p> <p>Maintain construction vehicles and obtain "pollution under control" certificate from HPSPCB.</p> <p>Obtain CFE and CFO for hot mix plants, crushers, diesel generators, etc., if to be used in the project.</p>
Noise and vibrations impacts	<p>Limit construction activities in temple complexes and other important sites to daytime only.</p> <p>Plan activities in consultation with the PIU/DSC so that activities with the greatest potential to generate noise are conducted during periods of the day which will result in least disturbance.</p> <p>Minimize noise from construction equipment by using vehicle silencers and fitting jackhammers with noise-reducing mufflers.</p> <p>Avoid loud random noise from sirens, air compression, etc.</p> <p>Require drivers that horns not be used unless it is necessary to warn other road users or animals of the vehicle's approach.</p> <p>If specific noise complaints are received during construction, the contractor may be required to implement one or more of the following noise mitigation measures, as directed by the project manager: (i) locate stationary construction equipment as far from nearby noise-sensitive properties as possible; (ii) shut off idling equipment; (iii) reschedule construction operations to avoid periods of noise annoyance identified in the complaint; and/or (iv) notify nearby residents whenever extremely noisy work will be occurring.</p> <p>Follow Noise Pollution (Regulation and Control) Rules, day time ambient noise levels should not exceed 65 dB(A) in commercial areas, 55 dB(A) in residential areas, and 50 dB(A) in silence zone.⁴</p> <p>Ensure vehicles comply with Government of India noise limits for vehicles. The test method to be followed shall be IS:3028-1998.</p>
Impacts on flora and fauna	<p>Conduct site induction and environmental awareness.</p> <p>Limit activities within the work area.</p> <p>Replant trees in the area using minimum ratio of 2 new trees for every 1 tree cut, if any. Replacement species must be approved by Forest Conservation Specialist of DSC/PMU</p>
Impacts on physical	<p>Ensure no damage to structures/properties near construction zone.</p> <p>Provide walkways and metal sheets where required to maintain access of people and</p>

⁴ Day time shall mean from 6.00 am to 10.00 pm. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by BSPCB. Mixed categories of areas may be declared as one of the above mentioned categories by BSPCB.

Potential Impact	Mitigation Measures
resources	<p>vehicles.</p> <p>Provide sign boards to inform nature and duration of construction works and contact numbers for concerns/complaints.</p> <p>Increase the workforce in front of critical areas such as institutions, place of worship, business establishment, hospitals, and schools;</p> <p>Implement good housekeeping. Remove wastes immediately. Prohibit stockpiling of materials that may obstruct/slow down pedestrians and/or vehicle movement.</p> <p>Ensure workers will not use nearby/adjacent areas as toilet facility.</p> <p>Coordinate with DSC for transportation routes and schedule. Schedule transport and hauling activities during non-peak hours. Communicate road detours via visible boards, advertising, pamphlets, etc.</p> <p>Ensure heavy vehicles do not use narrow local roads, except in the immediate vicinity of delivery sites.</p> <p>Provide instructions on event of chance finds for archaeological and/or ethno-botanical resources. Works must be stopped immediately until such time chance finds are cleared by experts.</p>
Impacts on waste generation	<p>Prepare and implement a waste management plan. Manage solid waste according to the following hierarchy: reuse, recycling and disposal. Include in waste management plan designated/approved disposal areas.</p> <p>Coordinate with DSC Environment Expert for beneficial uses of excavated soils/silts/sediments or immediately dispose to designated areas.</p> <p>Recover used oil and lubricants and reuse; or remove from the sites.</p> <p>Avoid stockpiling and remove immediately all excavated soils, excess construction materials, and solid waste (removed concrete, wood, trees and plants, packaging materials, empty containers, oils, lubricants, and other similar items).</p> <p>Prohibit disposal of any material or wastes (including human waste) into drainage, <i>nallah</i>, or watercourse.</p>
Impacts on occupational health and safety	<p>Comply with IFC EHS Guidelines on Occupational Health and Safety</p> <p>Disallow worker exposure to noise level greater than 85 dBA for a duration of more than 8 hours per day without hearing protection. The use of hearing protection shall be enforced actively.</p> <p>Develop comprehensive site-specific health and safety (H&S) plan. The overall objective is to provide guidance to contractors on establishing a management strategy and applying practices that are intended to eliminate, or reduce, fatalities, injuries and illnesses for workers performing activities and tasks associated with the project.</p> <p>Include in H&S plan measures such as: (i) type of hazards during excavation works; (ii) corresponding personal protective equipment for each identified hazard; (iii) H&S training for all site personnel; (iv) procedures to be followed for all site activities; and (v) documentation of work-related accidents.</p> <p>Provide H&S orientation training to all new workers to ensure that they are apprised of the rules of work at the site, personal protective protection, and preventing injury to fellow workers.</p> <p>Ensure that qualified first-aid can be provided at all times. Equipped first-aid stations shall be easily accessible throughout the site as well as at construction camps.</p> <p>Provide medical insurance coverage for workers.</p> <p>Secure construction zone from unauthorized intrusion and accident risks.</p> <p>Provide supplies of potable drinking water.</p> <p>Provide clean eating areas where workers are not exposed to hazardous or noxious substances.</p> <p>Provide visitor orientation if visitors to the site can gain access to areas where hazardous conditions or substances may be present. Ensure also that visitor/s do not enter hazard areas unescorted.</p> <p>Ensure the visibility of workers through their use of high visibility vests when working in or walking through heavy equipment operating areas.</p> <p>Ensure moving equipment is outfitted with audible back-up alarms.</p> <p>Mark and provide sign boards in the construction zone, and areas for storage and disposal. Signage shall be in accordance with international standards and be well</p>

Potential Impact	Mitigation Measures
	known to, and easily understood by workers, visitors, and the general public as appropriate.
Impacts on socio-economic activities	Provide walkways and metal sheets where required to maintain access to shops/businesses along trenches. Consult businesses and institutions regarding operating hours and factoring this in to work schedules. Provide sign boards for pedestrians to inform nature and duration of construction works and contact numbers for concerns/complaints. Employ at least 50% of the labor force, or to the maximum extent, local persons within the 2-km immediate area if manpower is available. “Mobility Plan” has to be chalked out in consultation with the District Administration prior to start of work.

69. The construction related impacts due to proposed subproject Package No. UK/IDIPT/BHT/04 components are generic to construction and are relatively less significant being an architectural heritage restoration projects. The potential impacts that are associated with construction activities can be mitigated to standard levels without difficulty through incorporation or application of the recommended mitigation measures and procedures.

Post-Construction Impacts and Mitigation Measures

70. Site clean-up is necessary after construction activities. The contractor will be required to:

- Backfill any excavation and trenches, preferably with excess excavation material generated during the construction phase.
- Use removed topsoil to reclaim disturbed areas.
- Reestablish the original grade and drainage pattern to the extent practicable.
- Stabilize all areas of disturbed vegetation using weed-free native shrubs, grasses, and trees.
- Restore access roads, staging areas, and temporary work areas.
- Restore roadside vegetation.
- Remove all tools, equipment, barricades, signs, surplus materials, debris, and rubbish. Demolish buildings/structures not required for O&M. Dispose in designated disposal sites.
- Request in writing from PIU/DSC that construction zones have been restored.

Anticipated Operations and Maintenance (O&M) Impacts and Mitigation Measures

71. Impacts on environmental conditions associated with the O&M of the subproject Package UK/IDIPT/BHT/04 components pertain to impacts related to increased tourists in the areas resulting to increased vehicular movement along the roads, increased demands for services, and increased solid waste generation. These impacts can be mitigated by:

- Increased vehicular movement along the roads - speed restrictions, provision of appropriate road signage and well located rest points for pedestrians shall minimize impacts on safety of the people
- Increase demands for services – addressed through the subproject design
- Increase solid waste generation – Municipal Corporation to put in place solid waste management programs.

72. Operation and Maintenance Impact

- The project initiatives will encourage tourist populations to these destinations.

- The project will also build the capacity of primary and secondary stakeholders by training on environmental and livelihood aspect. The project will have a cumulative positive impact on the tourism sector through a series of steps that target the:

73. **Socio-Economic**

- The Champawat Fort Restoration Plan will bring in much needed investment to develop a range of tourism products, which will not only improve connectivity and infrastructure but also provide a range of employment opportunities linked to pilgrimage, culture and nature tourism. The sub-project would lead to improvement in basic tourism infrastructure such as refurbishing of bazaar area, connecting roads, walking trails, and sewerage system, which help improve the quality of life for the residents and improve the level of urban services in the town thereby leading to a coordinated decision-making between different concerned stakeholders. The existing local craft based activities can be further diversified to cater to an increasing number of tourists and also create new opportunities for local entrepreneurship (SHG) not only among men but also women force.
- This sub-project is envisaged to encourage gender equality by increasing women's participation in tourism related activities especially those related to craft and cuisine.

74. This sub-project will benefit the region as a whole

Nature and Environment

- Better infrastructure and tourism facilities will help increase the benefits to natural areas of Champawat by enabling visitors to make informed choices to avoid conflicting uses between the built and natural environment through the various identified projects activities and will enable finding solutions to make them compatible.
- Carbon footprint generation envisaged by this sub-project will be relatively low by ensuring the implementation of principles such as the 3R (Reuse, Reduce, Recycle) through the use of eco-friendly building materials and techniques

V. ENVIRONMENTAL MANAGEMENT PLAN (EMP)

75. An environmental management plan (EMP) translates recommended mitigation and monitoring measures into specific actions that will be carried out by the contractor and proponent. Environmental Management Plan deals with the management measures and implementation procedure of the guidelines along with enhancement measures recommended to avoid, minimize and mitigate foreseen environmental impacts of the project.

76. The EMP will guide the environmentally -sound construction of the subproject and ensure efficient lines of communication between the DSC (Engineer), contractors, and PIU/PMU.

77. The EMP identifies the three phases of development as: (i) Site Establishment and Preliminary Activities; (ii) Construction Phase; and (iii) Post Construction/Operational Phase.

78. The purpose of the EMP is to ensure that the activities are undertaken in a responsible non detrimental manner with the objectives of: (i) provide a pro-active, feasible and practical working tool to enable the measurement and monitoring of environmental performance on site; (ii) guide and control the implementation of findings and recommendations of the environmental assessment conducted for the subproject; (iii) detail specific actions deemed necessary to assist in mitigating the environmental impact of the subproject; and (iv) ensure that safety recommendations are complied with.

79. A copy of the EMP must be kept on site during the construction period at all times. The EMP will be made binding on all contractors operating on the site and will be included within the Contractual Clauses. Non -compliance with, or any deviation from, the conditions set out in this document constitutes a failure in compliance. It shall be noted that the Supreme Court of India mandates those responsible for environmental damage must pay the repair costs both to the environment and human health and the preventative measures to reduce or prevent further pollution and/or environmental damage. (The polluter pays principle).

80. The Contractor is deemed not to have complied with the EMP if:

- Within the boundaries of the site, site extensions and haul/ access roads there is evidence of contravention of clauses.
- If environmental damage ensues due to negligence.
- The contractor fails to comply with corrective or other instructions issued by the Engineer/PMU/PIU within a specified time.
- The Contractor fails to respond adequately to complaints from the public.

81. All works undertaken towards protection of environmental resources as part of the EMP and as part of good engineering practices while adhering to relevant specifications will be deemed to be incidental to works being carried out and no separate payment will be made unless otherwise specified explicitly. The costs towards environmental management as per EMP unless otherwise provided as a separate head, will be deemed to be part of the BoQ of the project. The scope of works of the contractor towards the implementation of the environmental provisions shall be as follows:

- Abide by all existing Environmental regulations and requirements of the local level, Government of Uttarakhand and Government of India, during implementation.
- Compliance with all mitigation measures and monitoring requirements set

out in the Environmental Management and Monitoring Plan (EMMP).

- Submission of a method statement detailing how the subproject EMMP will be complied with. This shall include methods and schedules of monitoring.
- Monitoring of project environmental performance including performance indicators defined therein, and periodic submission of monitoring reports.
- Compliance with all measures required for construction activities in sensitive areas, in line with the regulatory requirements of these protected areas, and the guidelines set forth in the management plans for these areas.
- Compliance of all safety rules and regulations applicable at work, and provision of adequate health and safety measures such as water, food, sanitation, personal protective equipment, workers insurance, and medical facilities.

Responsibilities for EMP Implementation

A. Institutional Arrangements

82. The institutional arrangements specify the arrangements for the implementation of environmental provisions of the entire project, and include the proposed subproject also.

Project Management Unit (PMU) and Project Implementation Unit (PIU)

83. The Department of Tourism, Government of Uttarakhand is the Executing Agency (EA). Project Management Unit (PMU) is established in Dehradun for the overall project management and Project Implementation Units (PIU) have been established for each of the three circuits. The proposed sub-project is implemented by the PIU, Bhimtal. A Safeguards Specialist (SS) is within the PMU, and SS is responsible for overall management implementation of the resettlement and environmental safeguard provisions.

Project Management Consultant (PMC) and Design and Supervision Consultants (DSC)

84. Project Management Consultants (PMC) and Design and Supervision Consultants (DSC) have been recruited to provide assistance to the PMU and PIUs respectively in project implementation. Within the PMC team an Environment Safeguards Specialist will provide overall direction for management of environmental issues, and will provide technical support to the PMU including implementation of the environmental requirements according to ADB requirements, and assist in monitoring impacts and mitigation measures associated with sub-projects. The Safeguards Specialist of the DSC team will be responsible for preparation of the Environmental Assessment documents in line with the EARF and supervise the implementation of the EMP provisions in the various sub-projects. The PMU, will oversee the implementation of the environmental provisions related to subproject implementation, its responsibilities include preparation and updating of IEEs consistent with the ADBs Environmental Assessment Guidelines and the environmental compliance requirements of the Government of Uttarakhand and the Government of India.

85. The DSC Safeguards Specialist will support environmental management functions including updating sub-project IEEs in respect to environmental management plans, assisting in preparing IEEs, and assist in monitoring impacts and mitigation measures associated with sub-projects. He/she will be required to include mitigation measures in designs where appropriate, and to specify other measures in construction contracts. Contractors will be required by their contracts to implement all specified mitigation, monitoring, and reporting assigned to contractors as presented in sub-project IEE. Environmental monitoring will be undertaken by the PMU/PMC supported by the DSC-

Safeguards Specialist.

86. Towards addressing the forest related issues in the project components during design and implementation, the PMU/DSC includes provisions of Forest Conservation Specialist.

87. The following agencies will be responsible for EMP Implementation:

- DOT is the Executing Agency (EA) responsible for overall management, coordination, and execution of all activities funded under the loan;
- UTDB is the Implementing Agency (IA) responsible for coordinating procurement and construction of the project through its Project Management Unit (PMU) at Dehradun.
- The Project Management Consultant (PMC) assists PMU in managing the project including procurement and assures technical quality of design and construction;
- The Design and Supervision Consultant (DSC) will prepare the DPR of the project and will carry out construction supervision during project implementation. Their responsibility will also include EMP implementation supervision;
- A Project Implementation Unit (PIU) has been established in Bhimtal. This PIU will look into progress and coordination of day to day construction works with the assistance of DSC; and
- The contractor will be responsible for execution of all construction works. The contractor will work under the guidance of the PIU Bhimtal and DSC. The environmental related mitigation measures will also be implemented by the contractor.

88. The contractor's conformity with contract procedures and specifications during construction will be carefully monitored by the DSC and PIU.

89. **Responsibility for updating IEE** during detailed design by PMC and DSC

90. **Responsibility for monitoring:** During construction, DSC's Environmental Specialist and the designated representative engineer of the PIU will monitor the contractor's environmental performance. During the operation phase, monitoring will be the responsibility of the UTDB.

91. **Responsibility for Reporting.** PMU will submit to ADB semi-annual reports on implementation of the EMP and will permit ADB to field environmental review missions which will review in detail the environmental aspects of the project. Any major accidents having serious environmental consequences will be reported immediately. PMC environmental expert will help in preparing monthly, quarterly, semi-annual and annual progress reports.

B. Environment Management Plan Tables

92. Tables 6 to 7 show the potential adverse environmental impacts, proposed mitigation measures, responsible parties, and cost of implementation. This EMP will be included in the bid documents and will be further reviewed and updated during implementation.

Table 6: Environment Management Plan for Pre-Construction Phase

Parameters	Mitigation Measures	Parameter/ Indicator of Compliance	Responsible for Implementation	Responsible for Supervision	Frequency of monitoring	Source of Funds to Implement Mitigation Measures
Consents, permits, clearances, no objection certificate (NOC), etc.	Obtain all necessary consents, permits, clearance, NOCs, etc. prior to start of civil works.	Consents, permits, clearance, NOCs, etc.	PIU	PMU to be reported to ADB in environmental monitoring report (EMR)	check CFEs, permits, clearance from State Culture Dept. prior to start of civil works	Project cost /PMU
	Acknowledge in writing and provide report on compliance all obtained consents, permits, clearance, NOCs, etc.	Records and communications				
Establishment of baseline environmental conditions prior to start of civil works	Conduct documentation of location of components, areas for construction zone (camps, staging, storage, stockpiling, etc.) and surroundings (within direct impact zones). Include photos and GPS coordinates	Records	Contractor	PMU and PMC PIU and DSC	Once prior to construction	Contractor
Utilities	1-Identify and include locations and operators of these utilities in the detailed design documents to prevent unnecessary disruption of services during the construction phase. 2-Require contractors to prepare a contingency plan to include actions to be done in case of unintentional interruption of services. 3-Obtain from the PIU and/or DSC the list of affected utilities and operators; 4-If relocations are necessary; contractor will coordinate with the providers to relocate the utility.	List and maps showing utilities to be shifted Contingency plan for services disruption	- DSC will prepare preliminary list and maps of utilities to be shifted - During detailed design phase, contractor to (i) prepare list and operators of utilities to be shifted; (ii) contingency plan	PIU/DSC	Pre Construction Phase	Contractor
Social and Cultural Resources	1-Consult Archaeological Survey of India (ASI) or Uttarakhand State Archaeology Department to obtain an expert assessment of the	Chance find protocol	- PMC to consult ASI or Uttarakhand State	PMU	Prior to start of construction activities	DSC/PMC

	<p>archaeological potential of Pedestrian route.</p> <p>2-Consider alternatives if the site is found to be of medium or high risk. Include state and local archaeological, cultural and historical authorities, and interest groups in consultation forums as project stakeholders so that their expertise can be made available.</p> <p>3-Develop a protocol for use by the construction contractors in conducting any excavation work, to ensure that any chance finds are recognized and measures are taken to ensure they are protected and conserved.</p>		Archaeology Department - PMC to develop protocol for chance finds			
Sites for construction work camps, areas for stockpile, storage and disposal	<p>Siting of the construction camps shall be as per the guidelines below and details of layout to be approved by DSC.</p> <p>The potential sites will be selected for labour camp and these shall be visited by the DSC environmental expert and one having least impacts on environment will be approved by the DSC. As far as possible construction camp will be established at in vacant land near alignment of Pedestrian route and planned locations of amenities to avoid impact on other land.</p> <p>Location for stockyards for construction materials shall be identified either at Locations of amenities/facilities or at sites at a minimum distance of 300 m from streams.</p> <p>Construction sanitation facilities shall</p>	Construction camps site, and locations of material storage areas, sanitation facilities	Contractor	DSC/ PIU	At the time of construction camp establishment and finalisation of storage areas	Contractor

	be adequately planned, The Sewage collection and treatment and disposal and solid waste collection and disposal at camp site shall be designed, built and operated.					
Sources of construction materials	Use quarry sites and sources licensed by the Uttarakhand Government. Verify suitability of all material sources and obtain approval from PIU. If additional quarries are required after construction has started, obtain written approval from PIU. Submit to DSC on a monthly basis documentation of sources of materials.	Permits issued to quarries/sources of materials	Contractor PMC and DSC to verify sources (including permits) if additional is requested by contractor	PMU PIU	Upon submission by contractor	PMC and DSC as part of consultancy fee
Access	1. Plan transportation routes so that heavy vehicles do not use narrow local roads, except in the immediate vicinity of delivery sites. 2. Schedule transport and hauling activities during non-peak hours. 3. Locate entry and exit points in areas where there is low potential for traffic congestion. 4. Keep the site free from all unnecessary obstructions. 5. Drive vehicles in a considerate manner. 6. Coordinate with the Traffic Police Department for temporary road diversions and for provision of traffic aids if transportation activities cannot be avoided during peak hours. Notify affected sensitive receptors by providing sign boards with information about the nature and duration of construction works and contact	Traffic management plan	Contractor	PIU and DSC	to be included in updated IEE report	Contractor

	numbers for concerns/complaints.					
Occupational health and safety	Comply with IFC EHS Guidelines on Occupational Health and Safety	Health and safety (H&S) plan	Contractor	PMU and PMC PIU and DSC	To be included in updated IEE report	Contractor
Public consultations	Continue information dissemination, consultations, and involvement/participation of stakeholders during project implementation.	Disclosure records Consultations	PMU and PMC PIU and DSC Contractor	PMU and PMC	During updating of IEE Report During preparation of site- and activity-specific plans as per EMP Prior to start of construction During construction	PMU Contractor to allocate funds to support

Table: 7 Environment Management Plan For Construction Phase

S. No.	Parameters	Mitigation Measures	Parameter/ Indicator of Compliance	Responsible for Implementation	Responsible for Supervision	Frequency of monitoring	Source of Funds to Implement Mitigation Measures
1	Site clearance activities, including delineation of construction areas	Shrubs and grass (no trees) shall be removed from construction sites prior to commencement of construction. All works shall be carried out such that the damage or disruption of flora other than those identified for cutting is minimum. Only ground cover/shrubs that impinge directly on the permanent works or necessary temporary works shall be removed with prior approval from the Environmental Expert of DSC	Site clearance plan and demarcation of construction areas	Contractor	DSC / PIU	Construction sites delineation	Contractor

S. No.	Parameters	Mitigation Measures	Parameter/ Indicator of Compliance	Responsible for Implementation	Responsible for Supervision	Frequency of monitoring	Source of Funds to Implement Mitigation Measures
		All areas used for temporary construction operations will be subject to complete restoration to their former condition with appropriate rehabilitation procedures.					
2	Drinking water availability	Sufficient supply of cold potable water to be provided and maintained. If the drinking water is obtained from an intermittent public water supply then storage tanks will be provided. .At construction camp site water will be arranged as per available source followed by storage	Availability of water at identified sources, drinking water quality results	Contractor	DSC/ PIU	Regularly during construction phase	Contractor
3	Waste disposal	<p>The pre-identified disposal location shall be part of Comprehensive Waste Disposal Plan. Solid Waste Management Plan to be prepared by the Contractor in consultation and with approval of Environmental Specialist of DSC.</p> <p>The Environmental Specialist of DSC shall approve these disposal sites after conducting a joint inspection on the site with the Contractor.</p> <p>Contractor shall ensure that waste shall not be disposed off near any water course or close to Pedestrian Route or</p>	Waste Disposal sites, waste management plan	Contractor	DSC / PIU	Regularly during construction phase	Contractor

S. No.	Parameters	Mitigation Measures	Parameter/ Indicator of Compliance	Responsible for Implementation	Responsible for Supervision	Frequency of monitoring	Source of Funds to Implement Mitigation Measures
		agricultural land, Orchards and Natural Habitats like Grasslands.					
4	Stockpiling of construction materials	Stockpiling of construction materials does not impact, obstruct the drainage and Stockpiles will be covered to protect from dust and erosion. If these are exposed than regular water spray shall be carried out.	Identified locations of stockpiling	Contractor	DSC/ PIU	Regularly during construction phase	Contractor
5	Borrow Area Operations (if required)	Contractor shall finalize the borrow areas for procurement of earth after assessment of the availability of sufficient quantity of earth; avoid productive agriculture areas, consent of owner and other logistic arrangements. Adequate safeties precautions will be ensured during transportation of borrow earth material from borrow areas to the construction site. Vehicles transporting the material will be covered to prevent spillage.	Consent of land owner, availability of earth at borrow site, transportation routes	Contractor	DSC / PIU	Regularly during construction phase	Contractor
6	Arrangement for Construction Water	The contractor shall use ground/surface water as a source of water for the construction with the written consent from the concerned Department.	Identified sources of construction water , availability of construction	Contractor	DSC / PIU	Regularly during construction phase	Contractor

S. No.	Parameters	Mitigation Measures	Parameter/ Indicator of Compliance	Responsible for Implementation	Responsible for Supervision	Frequency of monitoring	Source of Funds to Implement Mitigation Measures
		<p>To avoid disruption/ disturbance to other water users, the Contractor shall extract water from fixed locations and consult DSC before finalizing the locations.</p> <p>The Contractor shall provide a list of locations and type of sources from where water for construction shall be extracted.</p> <p>The Contractor shall need to comply with the requirements of the State Ground Water Department for the extraction and seek their approval for doing so and submit copies of the permission to DSC.</p>	water				
7	Soil Erosion	Slope protection measures will be undertaken as per design to control soil erosion	Protection locations as per design	Contractor	DSC/ PIU	Regularly during construction phase	Contractor
8	Water Pollution from Construction Wastes	The Contractor shall take all precautionary measures to prevent entering of wastewater into local streams, water bodies Contractor shall not wash his vehicles in surface water body	Waste water discharge at construction camps, Vehicle parking and washing areas	Contractor	DSC/ PIU	Regularly during construction phase	Contractor
9	Water Pollution from Fuel	The Contractor shall ensure that all construction vehicle parking locations, fuel/ lubricants	Vehicle parking, refuelling and	Contractor	DSC/ PIU	Regularly during construction	Contractor

S. No.	Parameters	Mitigation Measures	Parameter/ Indicator of Compliance	Responsible for Implementation	Responsible for Supervision	Frequency of monitoring	Source of Funds to Implement Mitigation Measures
	and Lubricants	storage sites, vehicle, machinery and equipment maintenance and refuelling sites shall be located at least 500 m away from habitation and other local streams	washing areas			phase	
10	Soil Pollution due to fuel and lubricants, construction waste	The fuel storage and vehicle cleaning area will be stationed such that spillage of fuels and lubricants does not contaminate the ground. Soil and pollution parameters will be monitored as per monitoring plan.	Fuel and Lubricant storage areas, soil quality parameters	Contractor	DSC / PIU	Regularly during construction phase	Contractor
11	Generation of dust	The contractor will take every precaution to reduce the levels of dust at construction site. All earthworks to be protected/covered in a manner to minimize dust generation.	Air quality monitoring results, water sprinkling frequency	Contractor	DSC /PIU	Regularly during construction phase	Contractor
12	Emission from Construction Vehicles, Equipment and Machinery	All vehicles, equipment and machinery used for construction shall conform to the relevant Bureau of India Standard (BIS) norms. The discharge standards promulgated under the Environment Protection Act, 1986 shall be strictly adhered to. The silent/quiet equipment available in the market shall be used in the sub Project. The Contractor shall maintain a	Pollution under control certificates for vehicles and machinery	Contractor	DSC/ PIU	Regularly during construction phase	Contractor

S. No.	Parameters	Mitigation Measures	Parameter/ Indicator of Compliance	Responsible for Implementation	Responsible for Supervision	Frequency of monitoring	Source of Funds to Implement Mitigation Measures
		record of PUC for all vehicles and machinery used during the contract period which shall be produced for verification whenever required.					
13	Noise Pollution	<p>The Contractor shall confirm that all Construction equipment used in construction shall strictly conform to the MoEF/CPCB noise standards and all Vehicles and equipment used in construction shall be fitted with exhaust silencers.</p> <p>At the construction sites noisy construction work such as crushing, operation of DG sets, use of high noise generation equipment shall be stopped during the night time between 10.00 pm to 6.00 am.</p> <p>Noise limits for construction equipment used in this project will not exceed 75 dB (A).</p>	Noise under control certificates, noise monitoring results	Contractor	DSC/ PIU	Regularly during construction phase	Contractor
14	Material Handling at Site	<p>Workers employed on mixing cement, lime mortars, concrete etc., will be provided with protective footwear and protective goggles.</p> <p>Workers, who are engaged in welding works, will be provided with welder's protective eye-</p>	Records of availability of personal protective equipment (PPE), training records for use of PPEs	Contractor	DSC/ PIU	Regularly during construction phase	Contractor

S. No.	Parameters	Mitigation Measures	Parameter/ Indicator of Compliance	Responsible for Implementation	Responsible for Supervision	Frequency of monitoring	Source of Funds to Implement Mitigation Measures
		shields. The use of any toxic chemical will be strictly in accordance with the manufacturer's instructions. The Engineer will be given at least 6 working days' notice of the proposed use of any chemical. A register of all toxic chemicals delivered to the site will be kept and maintained up to date by the Contractor.					
15	Disposal of Construction Waste / Debris / Cut Material	The Contractor shall confirm that Safe disposal of the construction waste will be ensured in the pre-identified disposal locations. In no case, any construction waste will be disposed off around the project site indiscriminately. The waste will be disposed off as per spoil Management Plan to be prepared during construction phase.	Disposal sites, waste utilisation records	Contractor	DSC/ PIU	Regularly during construction phase	Contractor
16	Safety Measures During Construction	Adequate safety measures for workers during handling of materials at site will be taken up. The contractor has to comply with all regulations for the safety of workers. Precaution will be taken to prevent danger of the workers from fire, etc. First aid	Safety training program records, availability of first aid kits and trained personnel	Contractor	DSC/ PIU	Regularly during construction phase	Contractor

S. No.	Parameters	Mitigation Measures	Parameter/ Indicator of Compliance	Responsible for Implementation	Responsible for Supervision	Frequency of monitoring	Source of Funds to Implement Mitigation Measures
		<p>treatment will be made available for all injuries likely to be sustained during the course of work.</p> <p>The Contractor will conform to all anti-malaria instructions given to him by the Engineer.</p>					
17	Clearing of Construction of Camps and Restoration	<p>Contractor to prepare site restoration plans for approval by the Engineer. The plan is to be implemented by the contractor prior to demobilization.</p> <p>On completion of the works, all temporary structures will be cleared away, all rubbish burnt, excreta or other disposal pits or trenches filled in and effectively sealed off and the site left clean and tidy, at the Contractor's expense, to the entire satisfaction of the Engineer</p>	Pre construction records and photographs, disposal site rehabilitation	Contractor	DSC/ PIU	Regularly during construction phase	Contractor

Table 8: Environmental Management Plan for Operation Phase

S. No.	Parameters	Mitigation Measures	Parameter/ Indicator of Compliance	Responsible for Implementation	Responsible for Supervision	Frequency of monitoring	Source of Funds to Implement Mitigation Measures
4.1	Uncontrolled tourism flow	Environmental Monitoring Plan and the Tourism Master Plan will be implemented strictly to avoid uncontrolled tourism flow.	Tourism Master Plan	Tourism department	District Administration		Government of Uttarakhand and Tourism Department
4.2	Unhygienic condition due to poor maintenance of sanitation facilities and irregular solid waste collection	Tourism department will carry out maintenance of the toilets, and carry out the regular collection and disposal of wastes to a designated waste treatment site.	Maintenance schedule of sanitation facilities	PIU	PMU		PMU

Summary of Site- and Activity-Specific Plans as per EMP

93. Table 9 summarizes site- and activity-specific plans to be prepared as per EMP tables.

Table 9: Site- and Activity-Specific Plans/Programs as per EMP

To be Prepared During	Specific Plan/Program	Purpose	Responsible for Preparation	Responsible for Implementation
Detailed Design Phase	Environmental monitoring program as per detailed design	Indicate sampling locations, methodology and parameters	PMU/PIU and PMC/DSC	Contractor
Detailed Design Phase	Erosion control and re-vegetation plan	Mitigate impacts due to erosion	Contractor	Contractor
Detailed Design Phase	List and maps showing utilities to be shifted	Utilities shifting	DSC during preliminary stage Contractor as per detailed design	Contractor
Detailed Design Phase	Contingency plan	Mitigate impacts due to interruption of services during utilities shifting	Contractor	Contractor
Detailed Design	Chance find	Address	PMU and PMC	Contractor

To be Prepared During	Specific Plan/Program	Purpose	Responsible for Preparation	Responsible for Implementation
Phase	protocol	archaeological or historical finds		
Detailed Design Phase	List of pre-approved sites	Location/s for work camps, areas for stockpile, storage and disposal	PIU and DSC	Contractor
Detailed Design Phase	Waste management plan	Mitigate impacts due to waste generation	Contractor	Contractor
Detailed Design Phase	Traffic management plan	Mitigate impacts due to transport of materials and pipe laying works	Contractor	Contractor
Detailed Design Phase	H&S plan	Occupational health and safety	Contractor	Contractor

C. Environmental Monitoring Plan

94. Through integration of mitigation measures in project design, impacts are mostly insignificant, temporary in nature and can be properly avoided or mitigated by following proposed mitigation measures given in the EMP of this IEE report.

95. Table 9 provides the indicative environmental monitoring program which includes relevant environmental parameters, with a description of the sampling stations, frequency of monitoring, applicable standards, and responsibility. This will be updated during detailed design to ensure EMP and monitoring program is commensurate to the impacts of the subproject.

96. Environmental monitoring will be done during construction in three levels; namely monitoring development of project performance indicators done by the DSC Environmental Specialist, monitoring implementation of mitigation measures done by the Contractor; and overall regulatory monitoring of the environmental issues done by the PMC/PMU Environmental Specialist. The monitoring carried out by the contractor through the approved agency will be supervised by the Safeguard Specialist of the Design & Supervision Consultant. The Environmental Monitoring Plan for the project is presented in Table 10. The proposed monitoring of all relevant environmental parameters, with a description of the sampling stations, frequency of monitoring, applicable standards and responsible agencies are presented.

Table 10: Environmental Monitoring Plan

S. No.	Attributes	Stage	Parameters to be Monitored	Location	Frequency	Responsibility
1	Debris /Construction materials disposal	Construction Stage	Safe disposal of construction wastes	Major construction sites	Random checks	Contractor
2	Dust suppression	Construction Stage	No. of tankers for water sprinkling, Timing of	Major construction sites	Random checks	Contractor

S. No.	Attributes	Stage	Parameters to be Monitored	Location	Frequency	Responsibility
			sprinkling, Location of sprinkling, Log Book			
2	Ambient Air Quality	Construction Stage	RPM, SPM, SO ₂ , NO _x , CO	Major construction sites	Once in a season (except monsoons) for the entire construction period	Contractor, to be monitored through engagement of agency approved under NABL Accreditation norm
4	Water quality	Construction stage	TDS, TSS, pH, DO, BOD, COD, Faecal Coliform, Ammonia, Nitrogen	Locations to be decided during detailed design	Twice a year (pre-monsoon and post-monsoon) for the entire period of construction	Contractor, to be monitor through engagement of agency approved under NABL Accreditation norm
5	Noise Levels	Construction and Operation Stage	Equivalent Day & Night Time Noise Levels	All Construction sites	Once in a season during construction stage	Contractor, to monitor through on approved Monitoring Agency
6	Supply of PPE	Construction Stage	Provision of PPE on site, adequacy of equipment	All Construction sites	Continuous	Contractor
7	Establishing Medical facilities	Construction Stage	Access to health facilities for the construction workers	All Construction sites	Continuous	Contractor
8	Accident record	Construction Stage	No. of fatal accidents, No. of injuries, No. of disabilities	All construction sites	Continuous	Contractor
9	Post construction clearance of site	Post construction	Whether temporary locations for workers camp, site office, and other construction locations are restored to	All Construction sites	Post construction	Contractor

S. No.	Attributes	Stage	Parameters to be Monitored	Location	Frequency	Responsibility
			pre-project conditions			

Environmental Monitoring and Reporting

97. The PMU will monitor and measure the progress of EMP implementation. The monitoring activities will be corresponding with the project's risks and impacts and will be identified in the EIAs/IEEs for the subprojects. In addition to recording information of the work, deviation of work components from original scope, the PMU and PIU will undertake site inspections and document review to verify compliance with the EMP and progress toward the final outcome.

98. DSC will submit monthly monitoring and implementation reports to PIU, who will take follow-up actions, if necessary. PIU will submit the quarterly monitoring and implementation reports to PMU who will then submit to the PD. The PMU will submit semi-annual monitoring reports to ADB. Project budgets will reflect the costs of monitoring and reporting requirements. For subprojects likely to have significant adverse environmental impacts during operation, reporting will continue at the minimum on an annual basis. Monitoring reports will be posted in a location accessible to the public.

99. For projects likely to have significant adverse environmental impacts, the EA will retain qualified and experienced external experts to verify its monitoring information. The EA will document monitoring results, identify the necessary corrective actions, and reflect them in a corrective action plan. The EA, in each quarter, will study the compliance with the action plan developed in the previous quarter. Compliance with loan covenants will be screened by the EA.

100. ADB will review project performance against the EA's commitments as agreed in the legal documents. The extent of ADB's monitoring and supervision activities will be commensurate with the Project's risks and impacts. Monitoring and supervising of social and environmental safeguards will be integrated into the project performance management system. ADB will monitor projects on an ongoing basis until a project completion report is issued. ADB will carry out the following monitoring actions to supervise project implementation:

- conduct periodic site visits for projects with adverse environmental or social impacts;
- conduct supervision missions with detailed review by ADB's safeguard specialists/ officers or consultants for projects with significant adverse social or environmental impacts;
- review the periodic monitoring reports submitted by EA to ensure that adverse impacts and risks are mitigated as planned and as agreed with ADB;
- work with EA to rectify to the extent possible any failures to comply with their safeguard commitments, as covenanted in the legal agreements, and exercise remedies to re-establish compliance as appropriate; and
- Prepare a project completion report that assesses whether the objective and desired outcomes of the safeguard plans have been achieved, taking into account the baseline conditions and the results of monitoring.

D. Capacity Building

101. Institutional Strengthening

- The Department of Tourism, Government of Uttarakhand is the Executing Agency (EA). Project Management Unit (PMU) is established in Dehradun for the overall project management. This sub-project will be implemented by the PIU, Bhimtal. A Safeguards Specialist in the PMU is responsible for implementation of the environmental safeguard provisions. Project Management Consultants (PMC) and Design and Supervision Consultants (DSC) are recruited to provide assistance to the PMU/PIUs in project implementation. Within the PMC team a Safeguards Specialist will provide overall direction for management of environmental and social issues, and will provide technical support to the PMU including implementation of the environmental and resettlement requirements according to ADB requirements, and assist in monitoring impacts and mitigation measures associated with sub-projects. The Safeguards specialist of the DSC team will be responsible to assist in preparation of IEE and EMP report and supervise the implementation of the EMP provisions in the sub-projects. The PMU will oversee the implementation of the environmental provisions related to subproject implementation, consistent with the ADBs Environmental Assessment Guidelines and the environmental compliance requirements of the Government of Uttarakhand and the Government of India.

102. Training and Capacity Building

- The Environmental Specialist of the PMC and DSC will provide the basic training required for environmental awareness followed by specific aspects of infrastructure improvement projects along with environmental implications for projects located within / in the vicinity of natural and cultural heritage sites. Specific modules customized for the available skill set will be devised after assessing the capabilities of the members of the Training Programme and the requirements of the project. The entire training would cover basic principles of environmental assessment and management; mitigation plans and programmes, implementation techniques, monitoring methods and tools. The proposed training program along with the frequency of sessions is presented in **Table 11**.

Table 11: Training Modules for Environmental Management

Programme	Description	Participants	Form of Training	Duration/ Location	Training Conducting Agency
A. Pre-Construction Stage					
Sensitization Workshop	Introduction to Environment: Basic Concept of environment Environmental Regulations and Statutory requirements as per Government of India and ADB	Tourism / Forest / Roads / Culture Department Officials, Project Director (PD) and Environmental Specialist (ES) of the PMU/PIU	Workshop	1 Working Day	Environmental Specialist of the PMC
Session I					

Programme	Description	Participants	Form of Training	Duration/ Location	Training Conducting Agency
Module I	Introduction to Environment: Basic Concept of environment Safeguards Regulations and Statutory requirements as per Govt. of India and ADB Guidelines on cultural resources, Environmental considerations in planning, design and implementing projects	PMU/PIU (including the ES) and Engineering staff of the implementing agencies	Lecture	1 Working Day	Safeguards Specialist of the PMC
Module II	Environmental components impacted in construction and operation stages Activities causing pollution during construction and operation stages Environmental Management Environmental Provisions Implementation Arrangements Methodology of Assessment Good engineering practices to be integrated into contract documents	PMU/ PIU (including the ES) and Engineering staff of Tourism dept	Workshop	1 Working Day	Safeguards Specialist of the PMC
Module III	Improved Co-ordination with Other Departments: Statutory Permissions – Procedural Requirements Co-operation & Coordination with other Departments.	PMU/PIU (including the ES) and Engineering staff of Tourism dept	Lecture / Interactive Sessions	1 Working Day	Safeguards Specialist of the PMC
Module IV	Environmental considerations in planning, designing and implementing heritage buildings and conservation projects	PMU/PIU (including the ES) and Engineering staff of Tourism dept.	Lecture / Interactive Sessions and site visits	2 Working days	Safeguards specialist of the PMC with support from the Conservation specialist of the PMC/DSC
Module V	Environmental principles of eco-tourism (as per Uttarakhand eco-tourism policies) and training and awareness building on	Local Community Groups, NGOs	Lecture / Interactive Sessions	1 Working Day	Specialist from DSC and PIU

Programme	Description	Participants	Form of Training	Duration/ Location	Training Conducting Agency
	Conservation and management aspects of the area.				
B. Construction Stage					
Session II					
Module VI	Role during Construction- Roles and Responsibilities of officials / contractors / consultants towards protection of environment Implementation Arrangements Monitoring mechanisms	Engineers and staff of line departments of the Government of Uttarakhand, and PMU/PIU (including the ES)	Lecture / Interactive Sessions	1 Working Day	Safeguards Specialist of the DSC
Module VII	Monitoring and Reporting System	Engineers and staff of implementing agencies and PMU/PIU (including the ES)	Lecture / Interactive Sessions	1 Working Day	Safeguards Specialist of the DSC
Session III					
Module VIII	Skill upgrade on Hospitality, Interpretational skills, micro- planning,	Youth in the villages in the periphery, and other NGOs in the district	Site visits, interactive sessions	2 working days	Tourism department

DSC = Design and Supervision Consultant; ES = Environment Specialist; NGO= Non - government organization; PMC = Project Management Consultant; PIU = Project Implementation Unit; PMU = Project Management Unit.

E. Environmental Budget

103. As part of good engineering practices in the project, there have been several measures as erosion prevention, rehabilitation of borrow areas, safety, signage, provision of temporary drains, etc., the costs for which will be included in the design costs of specific subprojects. Therefore, these items of costs have not been included in the IEE budget. Only those items not covered under budgets for construction are considered in the IEE budget.

104. This is a small reconstruction-restoration project and there are no major structures to be constructed therefore it is not expected to cause much significant air, water and noise pollution. The main EMP cost will arise from monitoring of environmental parameters (air, water and noise).

105. The costs of personal protective equipment to construction workers shall be borne by contractor as part of conditions of contract. In addition the sources of funds for Mitigation measures during construction stage including monitoring during construction stage are also to be borne by the contractor. These are deemed to be included as part of the contract price amount quoted by the contractor for the works. The costs of components for monitoring in operation stage and the capacity building costs are to be funded by the PMU. The EMP cost is given in the Table 12.

Table 12: Environmental Budget

Item	Rate per sample	Number	Total Cost (INR)	Source of funds
Environmental Monitoring				
Construction Phase				Contractor's costs
Air Quality(4 locations; 3 times a year , Total 24 samples)	7500	24	180000.00	
Noise Quality (4 locations; 3 times a year, Total 24 samples	2500	24	60000.00	
Total Monitoring Cost For Construction Phase			2,40,000.00	
Capacity Building Expenses (3 Sessions in project life)	90000		2,70,000.00	PMU/ DSC
Total Cost			5,10,000.00	
Contingencies @ 5 %			25,000.00	
Total Budgeted Cost			5,35,000.00	

VI. PUBLIC CONSULTATION AND INFORMATION DISCLOSURE

A. Process for Consultation followed

106. Stakeholder consultations were conducted by the project team to understand the possible impacts of the project. Preliminary consultations with key stakeholders have indicated that given the tourism potential of the site, they would be willing to support any effort towards restoration of the site. The other components proposed in the sub project were based on community's need and desire for restoration of the temples and Banasur Fort. During consultation meetings, participants were of the view that this sub-project is important and very much needed and all are pleased by the upcoming project and they supported this project.

107. During Project preparation, consultations have been held with the District Administration, Municipal Authority, Members of Bar Association, Department of Tourism, public representatives of project area villages, Hotel Owners, and tourists on project orientation, issues pertaining to conservation and management Champavat Fort, shifting of Tehsil which is at present functioning within Rajbhunga Fort premises and addressing the current gaps in provision of basics services and improvement of overall tourist infrastructure. These consultations summarized as in Table below provided inputs in identification of the felt needs of the communities and the relevant stakeholders.

Table 13: Consultations with Stakeholders

Date	Members Consulted	Issues	Suggestions
27 th June, 2014	certain groups of traders from the market, visitors at the Tehsil and the office bearers of the Bar Association were consulted	It was explained that the Tehsil was proposed to be vacated in order to restore the site and reused for tourism related activities	A general consensus emerged that the site of the Tehsil Office could be shifted to adjacent block of State Government office if the site is to be utilized for public good
7 th July, 2014	District administration officials	Presentation was shown on the proposed reuse and restoration plan for the Champavat Fort Complex	Restoration was appreciated but wider public consultations were suggested before any move to shift the administrative offices. Consensus was not obtained in the meeting as the administration expressed reservations about the public reaction to the proposal of shifting the administrative offices. They apprised that they were willing to shift in the public interest. Demand was raised by the participating stakeholders to include Banasur Fort and Golju Mul Temple, along with Shri Gorakhnath Temple in the restoration plan.
16 th August, 2014	Nagar Palika Parishad or the Municipal Authorities, The Bar Association, The Hotel and Restaurant Association, The Department of Culture, Government of	A presentation on the present state of the heritage structures, restoration and reuse plans was shown. Briefing about the sub project components	Many stakeholders expressed concern over the increasing breakdown of civic amenities in the town and the overcrowding. They were assured that the project will also look into upgrading the civic amenities, including improvement of the market areas. Concerns were also expressed that the other heritage sites in the town were immense stress and in advanced

Date	Members Consulted	Issues	Suggestions
	Uttarakhand, The Traders' Association of Champawat, Public Representatives, Members of the Media		<p>stages of deterioration. It was assured that the sites would also be included in the sub-projects.</p> <p>A general consensus emerged on relocation of the administrative offices with the provision of efficient and inexpensive transport facility to the new complexes.</p>
24th August, 2014	Members from Municipal Authorities, Bar Association, The Hotel and Restaurant Association, The Department of Culture, Government of Uttarakhand, The Traders' Association, Public Representatives and Members of the Media	As a follow up of earlier meeting, for a wider disclosure	Once again, the issue of relocation was discussed threadbare. There is a general agreement on the need for shifting the Tehsil office. Alternate site with building has been identified. With the sanction of money for minor repair of new location where the Tehsil can be shifted, the Tehsil office can shift. NOC has been obtained, along with NOCs from other sites such as Golju Mul Temple, Gorakhnath Temple. Banasur being an unoccupied site offers no such impediments towards restoration efforts.
10 th , 11 th and 12 th September 2014	<ol style="list-style-type: none"> 1. Mr. Mahendra Singh Chaudhary, District Magistrate, Champawat 2. Naresh Durgapal, Superintending District Magistrate, Champawat 3. Mr. Paritosh Verma, Superintending District Magistrate, Lohaghat 	<ol style="list-style-type: none"> 1. The site must be restored and adaptive reuse suggested for tourism related purposes. 2. Related fort of Banasur, not very far from the Rajbhunga Fort, where the public offices are situated, must be taken up for restoration. 3. The Ram Lila stage and seating, at the entrance of the fort should be incorporated in the plans for adaptive reuse. 4. The Nagnath Temple, in the vicinity of the fort, must also be included in restoration plans. 5. Gorakhnath Temple must also be included in restoration plans. 6. Durgadevi temple must remain open to public worship. 7. Capacity building of 	The general consensus favourable and welcomed the adaptive reuse project and relocation of the administrative buildings

Date	Members Consulted	Issues	Suggestions
		the local community must be ensured in the project.	

B. Future Consultation and Information Disclosure

108. To ensure continued public participation, provisions to ensure regular and continued stakeholder participation, at all stages during the project design and implementation is proposed. A grievance redress cell will be set up within the PIU and PMU to register grievances of the people regarding technical, social and environmental aspects. This participatory process will ensure that all views of the people are adequately reviewed and suitably incorporated in the design and implementation process. Further, to ensure an effective disclosure of the project proposals to the stakeholders, an extensive project awareness campaign will be carried out.

109. For the information and benefit of the community the summary of IEE will be translated in the local language (Hindi) and made available at: (i) Office of the PIU/PMU; and, (ii) Office of the District Magistrate, Champawat and other relevant line departments in the District. These copies will be made available free of cost to any person seeking information on the same. Hard copies of the IEE will be available in the PMU/PIU as well as the district library at Champawat, and accessible to citizens as a means to disclose the document and at the same time creating wider public awareness. On demand, the person seeking information can obtain a hard copy of the complete IEE document at the cost of photocopy from the office of the PMU/PIU, on a written request and payment for the same to the Project Director. Electronic version of the IEE will be placed in the official website of the Tourism Department and the website of ADB after approval of the documents by Government and ADB. This will create awareness of the project implementation among the public.

C. Grievance Redress Mechanism

110. The affected person/aggrieved party can give their grievance verbally or in written to the local grievances committee. Grievances of affected person will first be brought to the attention of the implementing NGO who can resolve the issue at site level. If the matter is not solved within 7 days period by the NGO or PIU, it will be brought to the Grievance Redress Committee constituted for the purpose in PIU. This GRC shall discuss the issue in its monthly meeting and resolve the issues within one month of time after receiving the grievance. If the matter is not resolved by GRC at PIU level within stipulated time, it shall be referred to GRC at PMU level by Executive Engineer of PIU.

111. GRC at PMU shall discuss the issue and try to resolve it and inform the PIU accordingly. If the matter is not resolved by the GRC at PMU level within one month of time, the aggrieved person/party can bring the matter to The Court of Law. The PIU shall keep records of all grievances received including contact details of complainant, date of receiving the complaint, nature of grievance, agreed corrective actions and the date these were affected and final outcome. The grievance redress process is shown below.

112. Composition and functions of GRC

- **Local Grievance Committee.(LGC)** – In this LGC has worked with NGO, SHG, Line Agency, representative of Gram Panchayat ,Special invitee.
- **Grievance Redress Committee (GRC) at PIU-** In each PIU there shall be one GRC, which will include Project Manager (PIU), District Tourist Officer of

Department of Tourism of Govt. Of Uttarakhand, Community Development Officer of PIU, nominated representative of District Magistrate and nominated representative committee shall be headed by Project Manager (PIU). The committee will meet at least once in every month. Agenda of meeting shall be circulated to all the members and affected persons/aggrieved party along with venue, date and time; informed in written at least 7 days in advance of meeting. The matters shall remain with GRC at PIU level for one month and if grievance is not resolved within this time period, the matter shall be referred to GRC at PMU.

- **GRC within Environmental and Social Management Cell (ESMC) at PMU-** There shall be one GRC in PMU. The matters not resolved by the GRC at PIU level within one month shall come under GRC at PMU. GRC at PMU will include Community Development Expert of PMU, Safeguard Specialist of PMU and Additional Project Director (APD) of PMU. The Committee shall be headed by APD of PMU. This committee shall look the matters, which are referred to and not resolved by GRC at PIU level. If the matter is not resolved by the GRC at PMU level within one month of time, the aggrieved person/party can bring the matter to The Executive Committee/State Level Empowered Committee (SLEC).

113. **Approach to GRC.** Affected person/aggrieved party can approach to GRC for redress of his/their grievances through any of the following modes-

- (a) Web based: A separate corner will be developed at the program website so that public / community/ affected person can register their complaint in the online column.
- (b) Telecom based: A toll free no. Will be issued by the PMU/ PIU so that general public can register their complaint through telephone / mobile phone to the PIU/PMU office.
- (c) Through implementing NGO: The local representative of the NGO appointed for the purpose will collect the problems & issues of the community or affected person and pass on the same to PIU / PMU.

GRIEVANCE REDRESS MECHANISM (IDIPT-Uttarakhand)

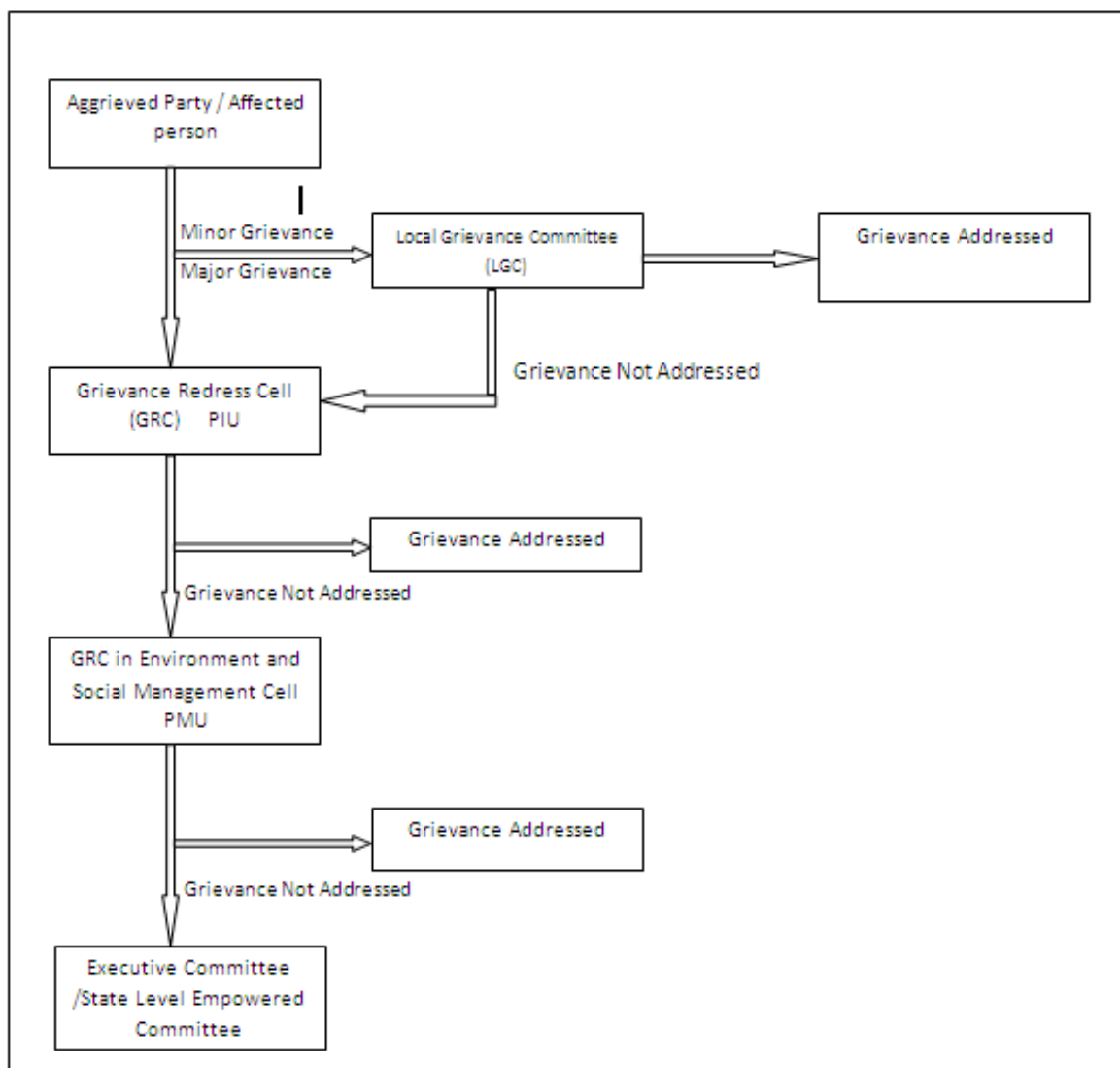


Figure 9: Grievance Redress Mechanism in IDIPT, Uttarakhand

Notes:

1. LGC – NGO, SHG, Line Agency, Representative of Gram Panchayat, Special invitee
2. GRC – PM, CDO, Engineer, DFO, DTO, SDM
3. GRC in Environment and Social Management Cell (ESMC) – PMU (APD, SS, CDS, FS), PMC (EE, CDE).

VII. FINDINGS & RECOMMENDATIONS

114. The proposed components of the project are in line with the sub-project selection criteria for the IDIPT. (Annexure). The subproject conforms to all Gol, GoUK and ADB regulations, policies, and standards including all necessary government permits and clearances.

115. The significance of the environmental impacts will be more due to the construction related impacts. It is to be noted that the resultant potential impacts from these proposals can be offset through provision of proven mitigation measures during the design and adoption of good engineering practices during construction and implementation. Further, the provision of tourism infrastructure will better the environmental conditions and minimize the pollution related and aesthetic quality near the sub project site.

116. The specific management measures laid down in the IEE will effectively address any adverse environmental impacts due to the sub-project. The effective implementation of the measures proposed will be ensured through the building up of capacity towards environmental management within the PMU supplemented with the technical expertise of a Safeguards Specialist as part of the DSC Consultants. Further, the environmental monitoring plans provide adequate opportunities towards course correction to address any residual impacts during construction or operation stages.

VIII. CONCLUSIONS

117. The IEE carried out for the sub-project show that the proposed sub-components will result in net environmental benefits in terms of enhanced tourism facilities and revenue generation, and that any adverse environmental impact can be addressed through proper location, planning, and design of the proposed sub-project; control of construction activity and mitigation measures. The EMP provided for mitigation of all identified short term impacts and the contract clauses for the environmental provisions will be part of the civil works contracts. Further, the proposed designs have been consulted with the stakeholders and no significant issues requiring redress in terms of environmental safeguards exist.

ANNEXURE- 1: RAPID ENVIRONMENTAL ASSESSMENT (REA) CHECKLIST

Instructions:

- i. The project team completes this checklist to support the environmental classification of a project. It is to be attached to the environmental categorization form and submitted to the Environment and Safeguards Division (RSES) for endorsement by the Director, RSES and for approval by the Chief Compliance Officer.
- ii. This checklist focuses on environmental issues and concerns. To ensure that social dimensions are adequately considered, refer also to ADB's (a) checklists on involuntary resettlement and Indigenous Peoples; (b) poverty reduction handbook; (c) staff guide to consultation and participation; and (d) gender checklists.
- iii. Answer the questions assuming the "without mitigation" case. The purpose is to identify potential impacts. Use the "remarks" section to discuss any anticipated mitigation measures.

Country/Project Title: IDIPT-Uttarakhand-Restoration, Adaptive Re-use and Revitalization of Champawat Fort

Sector Division: SAUW (South Asia Urban Development and Water Division)

SCREENING QUESTIONS	Yes	No	REMARKS
A. Project Siting:			
Is the project area adjacent to or within any of the following areas?			
• Densely populated?	✓		The Champawat fort lies in the centre of the Champawat town with dense population
• Heavy with development activities?	✓		The fort lies in the centre of the town with dense population. Therefore heavy with development activities. It is surrounded with residential, official and commercial buildings.
• Adjacent to or within any environmentally sensitive areas?		✓	
• Cultural heritage site	✓		Subproject entails heritage restoration site that dates back to 15th to 18th century. Even though Rajbhunga Fort and the temples considered for restoration/ renovation are not declared to be of national importance/ State importance as recognized by the Archaeological Survey of India (ASI), the provisions of Ancient Monuments and Archaeological Sites and Remains (Amendment and Validation) Act, 2010) shall be considered in view of the architectural significance. Banasur Fort, being a state protected

SCREENING QUESTIONS	Yes	No	REMARKS
			monument Cultural Dept.'s guidelines shall be followed. (NOC has been requested and is awaited)
• Protected Area		✓	
• Wetland		✓	
• Mangrove		✓	
• Estuarine		✓	
• Buffer zone of protected area		✓	
• Special area for protecting biodiversity		✓	
• Bay		✓	
B. Potential Environmental Impacts			
Will the Project cause....			
• Impacts on the sustainability of associated sanitation and solid waste disposal systems and their interactions with other urban services.	✓		These impacts shall result in the event of the sanitation and solid waste management systems not being developed in the proposed sites. It will also dependent on the efficiency/capability of community institutions and inaction of environmental laws developed by community. Proper mitigation measures are provisioned in the project.
• Deterioration of surrounding environmental conditions due to rapid urban population growth, commercial and industrial activity, and increased waste generation to the point that both manmade and natural systems are overloaded and the capacities to manage these systems are overwhelmed?	✓		It is envisaged that due to increase in tourism related infrastructure development, more entrepreneurs like hotel, lodge, home-stay, shops etc will be developed resulting to rapid urban population growth, commercial and industrial activity, and increased waste generation
• Degradation of land and ecosystems (e.g. loss of wetlands and wild lands, coastal zones, watersheds and forests)?		✓	
• Dislocation or involuntary resettlement of people		✓	Shifting of Collectorate Office in the Rajbhunga Fort premises is likely which is inter departmental transfer and does not involve any involuntary resettlement
• Degradation of cultural property, and loss of cultural heritage and tourism revenues?		✓	Project is proposed with the objective of restoration of cultural heritage, which at present is in a state of despair owing to a use totally non conducive to its architectural

SCREENING QUESTIONS	Yes	No	REMARKS
			character
<ul style="list-style-type: none"> Occupation of low-lying lands, floodplains and steep hillsides by squatters and low-income groups, and their exposure to increased health hazards and risks due to polluting industries? 		✓	
<ul style="list-style-type: none"> Water resource problems (e.g. depletion/degradation of available water supply, deterioration for surface and ground water quality, and pollution of receiving waters? 		✓	
<ul style="list-style-type: none"> Air pollution due to urban emissions? 		✓	
<ul style="list-style-type: none"> Risks and vulnerabilities related to occupational health and safety due to physical, chemical and biological hazards during project construction and operation? 	✓		Only physical hazards to workers due to accidents may come across during construction for which safety of workers should be taken in priority.
<ul style="list-style-type: none"> Social conflicts between construction workers from other areas and local workers? 		✓	Priority will be given to local labors
<ul style="list-style-type: none"> Road blocking and temporary flooding due to land excavation during rainy season? 		✓	Construction scheduling will be done to avoid potential activities during the rainy season
<ul style="list-style-type: none"> Noise and dust from construction activities? 	✓		Impacts envisaged during construction phase. Due care will be taken as per mitigation measures listed in the EMP
<ul style="list-style-type: none"> Traffic disturbances due to construction material transport and wastes? 	✓		Impacts envisaged during construction phase. Due care will be taken during construction to avoid traffic disturbances. Circulation plan will be prepared in consultation with the stakeholders and properly disseminated. Timings and frequency of movement of construction vehicles shall be kept to minimize impact on public movement.
<ul style="list-style-type: none"> Temporary silt runoff due to construction? 	✓		Due to construction activities in the Banasur fort premises, there is a potential of temporary silt runoff to the downstream. Adoption of mitigation measures shall effectively address such impact during construction.
<ul style="list-style-type: none"> Hazards to public health due to ambient, household and occupational pollution, thermal inversion, and smog formation? 		✓	

SCREENING QUESTIONS	Yes	No	REMARKS
• Water depletion and/or degradation?		✓	
• Overpaying of ground water, leading to land subsidence, lowered ground water table, and salinization?		✓	
• Contamination of surface and ground waters due to improper waste disposal?	✓		During the construction phase, adoption of mitigation measures as per EMP shall effectively address such impact
• Pollution of receiving waters resulting in amenity losses, fisheries and marine resource depletion, and health problems?		✓	
• Large population influx during project construction and operation that causes increased burden on social infrastructure and services (such as water supply and sanitation systems)?		✓	Considering the magnitude of construction works spread in 04 sites, large population influx not envisaged during construction phase. During Operation phase Carrying Capacity based regulation and provision of adequate water supply and sanitation systems through the subproject
• Social conflicts if workers from other regions or countries are hired?		✓	Not envisaged. Preference will be given to local laborers and migratory labour shall be employed in unavoidable circumstances only.
• Risks to community health and safety due to the transport, storage, and use and/or disposal of materials such as explosives, fuel and other chemicals during operation and construction?		✓	
• Community safety risks due to both accidental and natural hazards, especially where the structural elements or components of the project are accessible to members of the affected community or where their failure could result in injury to the community throughout project construction, operation and decommissioning?		✓	
C. Climate Change and Disaster Risk Questions The following questions are not for environmental categorization. They are included in this checklist to help identify potential climate and disaster risks.			

SCREENING QUESTIONS	Yes	No	REMARKS
<ul style="list-style-type: none"> Is the Project area subject to hazards such as earthquakes, floods, landslides, tropical cyclone winds, storm surges, tsunami or volcanic eruptions and climate changes 	✓		The project area is located in an area prone to landslides, cloud bursts, earthquakes etc. as it is located in the seismic Zone IV as per IS 1893:2002.
<ul style="list-style-type: none"> Could changes in precipitation, temperature, salinity, or extreme events over the Project lifespan affect its sustainability or cost? 	✓		The project area lies in the hilly region having landslides a major environmental problem during monsoons. In case of such events, the road blockage may hamper project progress.
<ul style="list-style-type: none"> Are there any demographic or socio- economic aspects of the Project area that are already vulnerable (e.g. high incidence of marginalized populations, rural-urban migrants, illegal settlements, ethnic minorities, women or children)? 		✓	
<ul style="list-style-type: none"> Could the Project potentially increase the climate or disaster vulnerability of the surrounding area (e.g., increasing traffic or housing in areas that will be more prone to flooding, by encouraging settlement in earthquake zones)? 	✓		Due to development of tourism infrastructure, it is envisaged that tourist inflow in the area will increase resulting to increase traffic and noise pollution in the area. Also more enterprises like guest houses, lodges, home-stays and shops are likely to come. Proper systems need to be developed to address such problems in future.

ANNEXURE 2:
COMPLIANCE WITH SUB PROJECT SELECTION CRITERIA (AS PER EARF TABLE 6)

Component	Criteria	Remarks
Overall selection criteria	1. Will be fully consistent with management plans or master plans for the area	Sub project selected based on the Uttarakhand Tourism Development master plan for Uttarakhand. In the Uttarakhand Tourism Development Masterplan, Champawat comes under Zone 5 and is part of the Almora, Bageshwar, Champawat , Pithoragarh, Munisiari regional circuit.
	2. Will avoid resettlement/relocation. If unavoidable the extent of resettlement will be minimized.	No such impact anticipated. Series of discussions have been held regarding shifting of Collectorate Offices, at the Govt. level.
	3. Will not result in destruction of or encroachment onto protected areas, including National Parks, Sanctuaries, Conservation Reserves and Community Reserves, environmentally sensitive zones and Biosphere reserves.	No environmentally sensitive zones in the vicinity
	4. Will be in line with the Conservation Plan/management plan for the conservation and management of the Protected areas	NA
	5. Will promote tourism related activities in protected areas, in the zones earmarked for tourism development, the scale and extent of which shall be in line with the provisions in the Management Plan	Not a Protected area
	6. Will not result in destruction of or encroachment onto archaeological monuments/heritage sites and will be in line with the master plan proposals for the conservation and preservation of the site/monuments	For Banasur Fort, State Culture Dept.'s guidelines will be followed being a state protected monument. Rajbhunga Fort, though not an ASI Site, yet guidelines/reference codes of following shall be used as design guidelines/ reference codes: 1. Archaeological Survey of India Guidelines. 2. US Secretary of Interior's Standards. 3. Great Britain's National Trust for Places of Historic Interest and Beauty Guidelines. 4. INTACH Architectural Heritage Division benchmarks.
	7. Will not involve major civil works within the prohibited and regulated areas, as defined in the ASI refutations, to minimize any potential impacts on safety to the structures/monuments	Proposed works entail repair and renovation, using a palette of local materials for repair and renovation works, which are non-detrimental to heritage character. Incremental additions within the complex will be carefully planned, with material and construction conforming to or respecting the heritage structure.
	8. Will reflect inputs from public consultation and disclosure for site selection	Meaningful public consultations are being done from planning phase and inputs have been considered in the project design

Component	Criteria	Remarks
	9. Will not introduce any elements or components that are invasive upon the sanctity and significance of the cultural heritage site, including large scale commercial activities or creation of new land uses with potential to trigger induced development and land use changes around the sites	Proposed interventions aim at enhancement of the quality of Fort's natural and historic built environment which has been transformed and adversely affected by recent constructions in the fort precinct. The fort walls, ramparts & historic buildings inside are in a state of disrepair and in need of conservation.
	10. Will introduce landscaping and other tourist infrastructure in line with the environmental quality of the tourist destinations, such as landscaping in harmony with the natural vegetation and diversity and not encourage introduction of species that are invasive	No new/alien species shall be introduced. Landscaping plan shall enhance the natural and scenic beauty of the place. Only native and drought tolerant species will be planted.
	11. Will not result in development of physical infrastructure/ tourism amenities that would impair the environmental conditions due to lack of management capacities or high O&M costs	O&M has been linked with the local stakeholders to ensure project sustainability and enhanced environment management.
Conservation measures and excavation measures-in and around Cultural properties and protected Monuments/ Structures.	12. Will observe the principle of not altering the historic condition and shall involve treatment of damage caused by natural processes and human actions and prevention of further deterioration, using both technical and management measures.	<ul style="list-style-type: none"> Proposed interventions aim at restoring the historic glory of the Fort and its image. The current usage of the fort as the Collectorate office is not conducive to create and sustain any form of cultural or historical association with the Forts. New interventions in the areas surrounding the fort precincts have gradually led to a disconnect and obstructing the visibility of the fort in the surroundings area.
	13. Will promote in situ conservation and only in the face of uncontrollable natural threats and relocation is the sole means of saving elements of a site may they be moved in their historic condition.	Proposed interventions promote in situ conservation of the buildings and if in future, need of relocation arises due to some uncontrollable natural threat, efforts will be made to retain its historic character.
	14. Will ensure that intervention be minimal. Every intervention proposed shall have clear objectives and use tried and proven methods and materials.	Proposed designs are in sync with the historic and architectural character of the surroundings
	15. Will ensure that physical remains are conserved in their historic condition without loss of evidence. Respect for the significance of the physical remains must guide any restoration. Technical interventions should not compromise subsequent treatment of the original fabric. The results of intervention should be unobtrusive when compared to the original fabric or to previous treatments, but still should be distinguishable	The major objective of the sub project is preservation of historic setting of the fort and the quality of its historic and natural environment, which has been adversely affected by the recent constructions and additions.

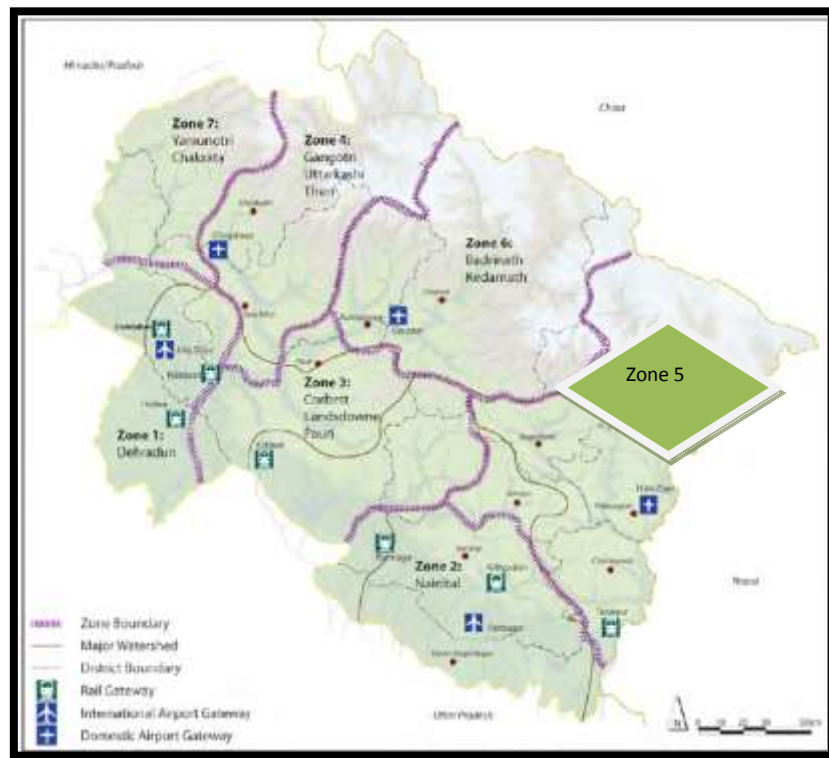
Component	Criteria	Remarks
	16. Will ensure that the adaptive reuse of any particular building of monuments/structures does not intrude or induce impacts on other areas of the monument	The proposed Champawat Forts Restoration, Adaptive Reuse and Revitalization project offers to protect, sustainably develop and reconnect people to the rich historic, cultural resources of Champawat town with the Historic Forts acting as the catalyst to enhance its image as a Cultural Heritage Destination and emerging Eastern Tourism gateway to Uttarakhand.
	17. Will ensure preservation of traditional technology and craftsmanship. New materials and techniques may only be used after they have been tried and proven, and should in no way cause damage to site.	Project designs are based on guidelines conforming to Uttarakhand architecture, other reference codes including Archaeological Survey of India Guidelines, US Secretary of Interior's Standards, Great Britain's National Trust for Places of Historic Interest and Beauty Guidelines and INTACH Architectural Heritage Division benchmarks.
	18. Will ensure that the setting of a heritage site be conserved. Natural and cultural landscapes that form part of a sites setting contribute to its significance and should be integrated with its conservation	<ul style="list-style-type: none"> • Despite being strategically located in the middle of the town, new interventions in the areas surrounding the fort precinct have gradually led to creating a visible disconnect between the site and additions obstructing the visibility of the fort in the surroundings area and hills. There is a also a complete lack of clarity and grandness in the access to the Fort. • The goal of the project is to undertake holistic revitalization and cultural revival of the fort and surrounding precinct and enhance the standard of the built and natural environment of the Fort and its precinct.
	19. Will ensure that during archaeological excavation care be taken to conserve the physical remains. A practical plan for the conservation of a site-both during and after excavation-should be submitted for all site programmed for excavation	NA
	20. Will ensure that treatment of the cultural heritage site and its environs is a comprehensive measure to prevent damage form natural processes and human actions, to reveal the historic condition of a site, and to allow its rational use. Service building should be as far as possible form the principal area of the site. Landscaping should aim to restore the site to its historic state and should not adversely affect the site: contemporary gardening and landscape concepts and designs should not be introduced.	Incidental landscaping of appreciation foregrounds with minimal interventions will help enhance and appreciate the historic built environment of the place. Also the landscaping elements will only utilize native species to protect local biodiversity. Landscaping will be aimed to store the site to its historic state and indigenous ornamental species like osmanthus fragrans, champa, padam, nyctanthes etc. will be planted.

Component	Criteria	Remarks
Conservation and habitat protection measures- in and around the natural heritage assets and protected areas.	21. Will observe the principle of not adversely impacting the habitat quality of the protected area and shall involve treatment of damage caused by natural processes and human actions and prevention of further deterioration, using both technical and management measures.	ASI provisions form the basis of design guidelines Project is an integrated conservation project aimed at restoring the historic character of the Fort precinct. No impact on habitat quality is envisaged.
	22. Will ensure that intervention, in form of additional civil works within the protected areas, be minimal. Every intervention proposed shall have clear objectives and use tried and proven methods and materials.	The project strategy is to give recognition to the forts and their surrounding as realms of historical, socio-cultural, socio-economic, intra-cultural activities for visitors and locals which can harnesses opportunities for employment, livelihood generation, and recreational styles for people and enhance the standard of the built and natural environment of the Forts and precinct. An Integrated Conservation, Environmental up-gradation and tourism development of Champwat forts and their precinct approach will be adopted.
	23. Will not open up new areas of tourist movement, including opening up of new routes for boating in wetlands etc, especially in areas identified as core or zone identified for conservation in the management plan for the protected area.	Not a wetland or sensitive or protected area. Not envisaged the proposed interventions shall retain the historic character and significance of the Forts .
	24. Will ensure that the areas of significant habitat diversity habitats are conserved in their natural condition.	NA
	25. The results of intervention should be unobtrusive when compared to the original fabric or to previous treatments, but still should be distinguishable	Proposed interventions are as per original fabric and architectural character of the surroundings
	26. New materials and techniques may only be used after they have been tried and proven, and should in no way cause damage to the site.	No new materials and techniques are used
	27. Service buildings should be as far as possible from the principal area of the site.	NA
Water supply	28. Will be taken up from existing potable treatment systems nearby, unless on such systems are available in the vicinity	Existing potable system is used. Project only contains provision of water storage system.
	29. Will not result in excessive abstraction of ground water or result in excessive groundwater pumping impairing ground water quality	Not envisaged
	30. Will ensure adequate protection form pollution of intake points	Since water supply is from existing potable supply scheme of Jal Sansthan, only internal distribution system is provided in the project, the chances of pollution from intake points is already minimized by the Jal Sansthan.
	31. Will not result in unsatisfactory raw water supply (e.g. supply with excessive pathogens or mineral constituents)	Potable water supply is through existing water supply scheme of Jal Sansthan. Internal distribution system will be

Component	Criteria	Remarks
		provided in the project.
	32. Will ensure proper and adequate treatment and disposal facilitates for increased volumes of wastewater generation	Not much waste water generation envisaged. There will be upgradation of existing system of sewage management - septic tanks/sock pits.
Sanitation and toilet facilities	33. Will ensure that the site selection for the septic tank/ or any/ or any other treatment method proposed is not close to water intake or water usage points, or areas prone to flooding or water logging	Upgradation/ new construction of septic tanks/ sock pits will be done at the existing location.
	34. Will ensure that sanitation improvements proposed do not result in pollution of groundwater.	Ensured and forms part of EMMP
	35. Will not interfere with other utilities and block access to buildings, cause nuisance to neighboring areas due to noise, smell, and influx of insects, rodents, etc.	The proposed sanitation arrangements have been made in view of population load and hence interference with other utilities and nuisance to neighboring areas not envisaged.
	36. Will not impair downstream water quality due to inadequate sewage treatment or release of untreated sewage,	Project entails provision of new septic tanks/sock pits or upgradation of the existing system. Hence impairment of downstream water quality not envisaged.
	37. Will not cause overflows and flooding of surroundings, especially around the heritage sites with raw sewage.	Adequate sewage treatment arrangements
Solid waste management	38. Will ensure that the disposal of solid wastes will not result in degradation of aesthetics in the vicinity of the proposed tourist areas	Waste Management Plan will be prepared by the Contractor in consultation with PIU and DSC and followed during the Construction phase. During Operation phase, there will be proper waste management with waste segregation at source through separate Bio-degradable and Non-Biodegradable Waste bins and suitable disposal arrangements.
	39. Will ensure buffer of greenbelt and earth works around the site to avoid nuisance to neighboring areas due to foul odor and influx of insects, rodents, etc.	During construction phase suitable buffer will be provided as per EMMP. Project has provisions for incidental landscaping with native species
	40. Will ensure that for composting pits for protected areas, the locations are devoid of any wildlife population, especially wild boars, porcupines	NA
	41. Will ensure any on site waste management done in compliance with government regulations and in coordination with municipal authorities.	On site waste management shall be planned in due compliance with govt. regulations and consultation with the Champawat Nagar Palika Parishad and forms part of the DPR. Mitigation measures relating to waste management during construction phase forms part of the EMP.
Roads	42. Will ensure minimal clearing of vegetation	Clearing of vegetation will be done only if necessary, after consultation with Environment Specialist of the DSC.

Component	Criteria	Remarks
		This forms part of contractor's responsibility listed in the EMMP.
	43. Will ensure no dislocation and involuntary resettlement of people living in right of way.	No dislocation and involuntary resettlement envisaged. Shifting of the Tehsil Offices/Collectorate shall be done in consultation with stakeholders, which is being pursued as per annex-IV
	44. Will not lead to alteration of surface water hydrology of streams/waterways that may result in increased sediment load due to erosion from construction sites.	Erosion from construction sites will be controlled as per EMMP provisions for the construction phase
Drainage and flood protection	45. Will ensure improvements are identified to cater to the watershed or drainage zones and not individual drains.	No alterations to the existing drainage patterns are expected due to project interventions
	46. Will ensure adequacy of outfall of proposed drainage works, to avoid any impacts associated with flooding in downstream areas, or areas not covered	NA
	47. Will ensure effective drainage of the monument area, and provide for improved structural stability of the monuments	The buildings, pavements and new additions to the fort have led to ill planned drainage system. Drainage improvement works are proposed for sanitation and rainwater disposal without causing damage to the foundation and wall of the buildings. These interventions shall rather improve the structural stability of the Forts.
Development of parking and other tourist infrastructure amenities	48. Will ensure no deterioration of surrounding environmental conditions due to uncontrolled growth around these facilities, increased traffic and increased waste generation resulting from improved infrastructure facilities	The sub project shall lead to improved environmental conditions by supplementing the inadequate sanitation system.
	49. Will not create structures or buildings that are physically or visually intrusive, in terms of size, scale, location that shall have an adverse impact on the aesthetic quality or the site, through careful designs in terms of built form, construction materials etc.	Not envisaged. The proposed developments will provide a context- and use-appropriate solution to the project looking at the environmental sensitivity of the Forts property. Project shall add to the aesthetic beauty of the site and enhance the visitor experience.

ANNEXURE- 3A









Map of Uttarakhand Tourism Zones Showing Project Area- Champawat

PROJECT LOCATION MAP



ANNEXURE 3B: SITE PHOTOGRAPHS

 <p>A photograph of the Rajbhunga Palace, a long, single-story building with a dark tiled roof and white walls. It features a series of white pillars supporting the roof. A person is standing near the entrance on the right.</p>	 <p>A photograph of the Durga Devi Temple, a small structure with a red and white striped conical roof and orange walls. It is situated on a green lawn with a paved path leading to it.</p>
<p>Rajbhunga Palace</p>	<p>Durga Devi Temple</p>
 <p>A photograph of the Old Fort, showing a stone structure with a large, carved wooden door and a stone pillar supporting the overhanging part. The area is overgrown with green vegetation.</p>	 <p>A photograph of the Entrance to the Fort, a blue-painted stone archway set into a hillside. A person is standing in front of the archway.</p>
<p>Old Fort</p>	<p>Entrance to the Fort</p>
 <p>A photograph of the Rajbhunga Gateway, showing a set of stone steps leading up to a blue-painted archway. Several people are sitting on the steps.</p>	 <p>A photograph of a corridor, showing a paved walkway lined with white pillars and a blue wall. The area is surrounded by greenery.</p>
<p>Rajbhunga Gateway</p>	<p>Corridor</p>

	
Banasur Fort, Lohaghat	Gwal or Gollu Devta Temple
	
GI Roof and Railing at Guru Gorakhnath Temple	Gorakhnath Main Temple



Google Image Banasur Fort

ANNEXURE 4A: NOCs

Letter of SDM to DM, Champawat, confirming the possibilities for shifting Tehsil Office to another location to start **“Restoration, adoptive reuse & revitalization of Champawat Fort”** with a request to allocate funds for renovation of new office location.

सेवा में,
जिलाधिकारी,
चम्पावत।

संख्या /तहसील कार्यालय भवन/2014 दिनांक : 23 अगस्त, 2014

विषय - तहसील परिसर चम्पावत के कार्यालयों को शिफ्ट करने के सम्बन्ध में।

महोदय,

कृपया तपरोक्त विषयक अपने कार्यालय संख्या २-10444/31-विधि/2014 दिनांक 07 अगस्त, 2014 का सन्दर्भ ग्रहण करने की कृपा करें।

महोदय, उक्त के अनुपालन में सादर अवगत कराना है कि उत्तराखण्ड शासन, पर्यटन विभाग के पत्र संख्या 99/नि0स0/ स0पय0/2014 देहरादून, दिनांक 23 जुलाई, 2014 के क्रम में तहसील परिसर चम्पावत के जीर्णोद्धार, संरक्षण कार्यों के लिए अधोस्तरीय द्वारा अनापत्ति प्रमाण पत्र प्रदान किया गया है।

महोदय, तहसील परिसर चम्पावत का जीर्णोद्धार एवं संरक्षण हेतु पर्यटन विभाग को सौंपे जाने पर तहसील चम्पावत परिसर में स्थापित तहसील कार्यालय, उप जिलाधिकारी कार्यालय, निबंधन कार्यालय तथा नियत प्राधिकारी, विनियमित क्षेत्र चम्पावत कार्यालयों को अन्यत्र शिफ्ट किया जाना है, जिस हेतु पुराने ब्लॉक कार्यालय के भवन में उक्त कार्यालय स्थापित करने हेतु चम्पावत में स्थित अन्य भवनों की अपेक्षा पर्याप्त कक्ष है। जहाँ पर तहसील कार्यालय शिफ्ट किया जा सकता है। उक्त पुराना ब्लॉक कार्यालय वर्तमान में काफी पुराना होने एवं लगातार उपयोग में न आने से भवन के अधिकांश भाग, लकड़ी से निर्मित दरवाजे एवं खिड़कियाँ क्षतिग्रस्त हो चुके हैं तथा वर्षा के समय छत टपकती है, जिसका पुनर्निर्माण/जीर्णोद्धार किये जाने में लगभग ₹ 8 से 10 लाख खर्च होने की सम्भावना है।

अतः निम्नलिखित है कि उक्त कार्यालयों के पुनर्निर्माण/जीर्णोद्धार को तत्तत् धनराशि आवंटन करने हेतु कार्यक्रम निदेशक, आई0डी0आई0पी0टी0 देहरादून जिनका पता निम्नलिखित है, को सूचित किया जा रहा है।

पता निम्नवत है--
कार्यक्रम निदेशक,
आई0डी0पी0टी0 देहरादून,
५० डीन बकाल उपाध्याय, पर्यटन भवन,
ओ0एन0जी0सी0 हैलीपैड के सामने,
गढ़ी कैण्ट देहरादून (उत्तराखण्ड)

भवदीय

उप जिलाधिकारी (सदर)
चम्पावत।

प्रतिनिधि - परियोजना प्रबंधक, पी0आई0यू0 भीमताल विकास भवन भीमताल, नगीताल को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

File - Fort
Jpans
26/8

उप जिलाधिकारी (सदर)
चम्पावत।

NOC from SDM, Lohaghat for Restoration, adoptive reuse & revitalization of Banasur Fort, Lohaghat

अनापत्ति प्रमाण पत्र


उत्तराखण्ड शासन पर्यटन विभाग के पत्र संख्या-99/नि0स्त0/स0पर्य0/2014 देहरादून दिनांक 23 जुलाई 2014 एवं जिलाधिकारी चम्पावत के पत्र संख्या २-10444/31-वि0वि0/2014 दिनांक 07 अगस्त 2014 के क्रम में तहसील लोहाघाट अन्तर्गत ग्राम रौतलीमहरा के ग्राम ज0वि0 खतौनी खाता संख्या-176 खेत नं0-274 रकबा- 0.115 हे0 में कोट नाम से अंकित है, क्षेत्रान्तर्गत प्रचलित नाम बाणासूर का किला कहा जाता है। उक्त कोट/बाणासूर के किले को पर्यटन विभाग द्वारा जीर्णोद्धार एवं संरक्षण आदि कार्य करने हेतु अनापत्ति प्रमाण पत्र प्रदान किया जाता है।


उप जिलाधिकारी
लोहाघाट।

कार्यालय उप जिलाधिकारी लोहाघाट।

संख्या 254 /रीडर-अनापत्ति प्रमाण पत्र/2014 दिनांक अगस्त 14, 2014

प्रतिलिपि - जिलाधिकारी महोदय चम्पावत को सादर सूचनार्थ प्रेषित।


उप जिलाधिकारी,
लोहाघाट।

ANNEXURE 4B

Correspondence from Project side for NOC for proposed works under the sub project

1. Letter from Program Director to Secretary Tourism for facilitating the shifting of DM Office, in the project interest
2. Letter from Program Director to DM, Almora
3. Letter from Secretary Tourism to DM, Almora & Champawar



Program Management Unit
Infrastructure Development Investment Program for Tourism
(ADB Assisted – Loan No. 2833, India)
Government of Uttarakhand
Pandit Deendyal Upadhaya Paryatan Bhawan, Near ONGC Helipad
Garhi Catt, Dehradun -248003
 Tel: 91-135-2559987, Fax: 91-135-2559988
 E-mail: utdb.pmu@gmail.com



पत्रांक: 1577/2-10-ADB (IDIPT)/236/2013-2014

दिनांक: 01/09 2014

प्रेषक,

कार्यक्रम निदेशक
 ए०डी०बी० परियोजना
 पर्यटन, उत्तराखण्ड।

सेवा में,

सचिव, पर्यटन
 उत्तराखण्ड शासन।

विषय: ए०डी०बी० सहायित, कार्यक्रम अन्तर्गत “अल्मोड़ा के मल्लामहल तथा चम्पावत के राजभुंगा किले को पर्यटन विभाग को हस्तान्तरित किये जाने के सम्बन्ध में।”

महोदय,

जैसा कि आप अवगत है कि ए०डी०बी० सहायित “उत्तराखण्ड पर्यटन अवस्थापना विकास निवेश कार्यक्रम” के अन्तर्गत आगामी तृतीय ट्रांच में मा० मुख्यमंत्री, उत्तराखण्ड राज्य के निर्देशानुसार जनपद अल्मोड़ा के मल्लामहल तथा जनपद चम्पावत के राजभुंगा किले का जीर्णोद्धार कार्य सम्मिलित किया गया है। उक्त के काम में दोनों किलों के जीर्णोद्धार व पुर्नउपयोग हेतु निम्नानुसार दो उप-परियोजनाएं विकसित कर ए०डी०बी० को प्रेषित की जा चुकी हैं।

- 1- Almora Fort (Malla Mahal) Historic Precincts' Preservation, Re-use Strategy & Revitalization for Enhancement of Visitor Experience. (attached)
- 2- Champawat Fort (Rajbhunga Fort) Preservation, Re-use Strategy & Revitalization for Enhancement of Visitor Experience. (attached)

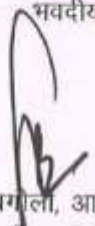
इस सम्बन्ध में ए०डी०बी० का सुझाव है कि यह राज्य की सांस्कृतिक धरोहरें हैं तथा भविष्य में उक्त उप-परियोजनाओं पर किये जा रहे निवेश का समुचित लाभ प्रदेश को तभी प्राप्त हो सकता है जब इन किलों का इनकी महत्ता के दृष्टिगत पर्यटन स्थल की तरह पूर्ण सदुपयोग किया जाय।

इस सम्बन्ध में अवगत कराना है कि उक्त किलों के भीतर वर्तमान में सरकारी कार्यालयों का संचालन होने के कारण इन सांस्कृतिक धरोहरों का उचित रख-रखाव नहीं हो पा रहा है तथा पर्यटकों की आमद न के बराबर है। यदि ये सरकारी कार्यालय किले के भीतर ही अवस्थित रहे तो भविष्य में उक्त को एक पर्यटक स्थल के रूप में विकसित किए जाने में कठिनाई होगी। अतः इन कार्यालयों को किला परिसर से किसी दूसरे स्थान पर

स्थानान्तरित करने की आवश्यकता प्रतीत हो रही है जिससे उक्त क्षेत्रों में पर्यटकों की आवाजाही बढ़ेगी तथा राज्य के आर्थिकी में भी योगदान रहेगा।

अतः आपसे अनुरोध है आप अपने स्तर से सरकारी कार्यालयों को दूसरे स्थानों पर स्थानान्तरित करने तथा उक्त परिसम्पत्तियों को पर्यटन विभाग को हस्तान्तरित करवाने हेतु राजस्व विभाग से अनुरोध करना चाहें।

संलग्नक: उपरोक्तानुसार।

भवदीय,

 (शैलेश बगुली, आई०ए०एस०)
 कार्यक्रम निदेशक

English Transcript

Letter No.: 1577/2-10-ADB (IDIPT)/236/2013-14

DATE: 01/09/2014

From:

Program Director

ADB Project Tourism, Uttarakhand

To:

Secretary, Tourism

Uttarakhand

Sub.: Transfer of Malla Mahal Fort in Almora and Rajbhunga Fort in Champawat to Tourism Department under ADB Assisted Project – regd.

Sir,

As you are aware as per the direction of the Honourable Chief Minister, Maalla Mahal Fort in Almora and Rajbhunga Fort in Champawat have been included under Tranche 3 of ADB assisted "Uttarakhand Tourism- Infrastructure Development Investment Program for Tourism" (IDIPT).

For the preservation and re-use of the above mentioned forts, two sub-projects have been developed which have been forwarded/submitted to ADB. They are:

1. Almora Fort (Malla Mahal) Historic Precincts' Preservation, Re-use Strategy & Revitalisation for Enhancement of Visitor Experience.
2. Champawat Fort (Rajbhunga) Preservation, Re-use Strategy & Revitalisation for Enhancement of Visitor Experience.

In connection with the above, this is to bring to your attention that at present Govt. Offices are in operation in these Forts and thus preservation and up-keep of this heritage site will not be possible if these offices continue to operate at existing places. Further, tourists will not be comfortable to visit due to presence of Govt. Offices.

ADB has suggested that unless the importance these historical and cultural heritage sites are not highlighted, the benefits of the investment on these sub-projects cannot be fully realised.

It is therefore requested to take up the matter at your level for shifting of existing offices from the Forts and handing over the same to Tourism Department suitably.

Sincerely,
 Shailesh Baguli, IAS
 Project Director
 IDIPT

Transcript: Letter from Secretary, Tourism to DM, Almora and Champawat-seeking his NOC and co-operation for the IDIPT works

उत्तराखण्ड शासन

पर्यटन विभाग

संख्या: ११ / / नि०स० / स०पर्य० / 2014

देहरादून : दिनांक: 23 जुलाई, 2014

प्रेषक,

डा० उमाकान्त पवार
सचिव पर्यटन

सेवा में,

जिलाधिकारी
अल्मोड़ा

जिलाधिकारी
चम्पावत

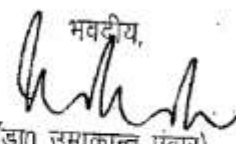
विषय : चम्पावत के राजबुंगा व बाणासुर किले और अल्मोड़ा के मल्ला महल के जीर्णोद्धार /
संरक्षण के संदर्भ में

महोदय,

अवगत कराना है कि दिनांक 24 मई 2014 को मा० मुख्यमंत्री जी, उत्तराखण्ड की अध्यक्षता में पर्यटन विभाग की समीक्षा बैठक आहूत की गयी। बैठक में समीक्षा के उपरान्त मा० मुख्यमंत्री जी ने अन्य कार्यों के साथ चम्पावत के राजबुंगा व बाणासुर किले और अल्मोड़ा के मल्ला महल के जीर्णोद्धार व संरक्षण के भी निर्देश दिये गये जिसका उद्देश्य पर्यटन क्षेत्र को बढ़ावा देना और समग्र विकास करना है। बैठक में उक्त कार्यों को पर्यटन विभाग के माध्यम से ए०डी०बी० (आई०डी०आई०पी०टी०) के द्वारा सम्पन्न करने का भी निर्णय लिया गया।

उपरोक्त के संदर्भ में यह भी अवगत कराना है कि ए०डी०बी० (आई०डी०आई०पी०टी०) के अधीनस्थ पी०आई०यू० भीमताल और डी०एस०सी० भीमताल इस संबंध में आवश्यक कार्यवाही कर रहे हैं।

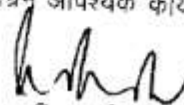
अतः आपसे अनुरोध है कि उपरोक्त कार्यों के सुचारु रूप से सम्पादन हेतु पी०आई०यू० भीमताल/डी०एस०सी० भीमताल को अनापत्ति पत्र व अन्य यथासंभव सहायता प्रदान करने के लिए संबंधित को आवश्यक दिशा निर्देश जारी करने का कष्ट करें।

भवदीय,

(डा० उमाकान्त पवार)
सचिव पर्यटन

तिलिपि :

1. आयुक्त कुमाऊ मण्डल
2. ए०डी०बी० (आई०डी०आई०पी०टी०)

— कृपया सूचनार्थ हेतु प्रेषित।
— कृपया सूचनार्थ एवं अधिम आवश्यक कार्यवाही हेतु प्रेषित।


सचिव पर्यटन

Letter to ASI from Project Manager, PIU Bhimtal for getting NOC for restoration works in Rajbhunga (not an ASI site) and Banasur Forts.

 Govt. of Uttarakhand	<p>परियोजना क्रियान्वयन ईकाई पर्यटन संरचना विकास निवेश कार्यक्रम उत्तराखण्ड शासन विकास भवन, भीमताल-263136 जिला-नैनीताल, (उत्तराखण्ड) फोन नं० : 05942- 247390 ई-मेल : piubhimtal@gmail.com, piuidipt.bhimtal@gmail.com</p>	 Uttarakhand <i>Simply Heaven!</i>
<div style="display: flex; justify-content: space-between;"> <div>पत्रांक सं०: 408/Gen Corp./PIU-Bhimtal/415/1-B/2014/15</div> <div>दिनांक: 23.09.2014</div> </div> <p>सेवा में, क्षेत्रीय पुरातत्व अधिकारी, अल्मोड़ा।</p> <p style="text-align: center;"><u>विषय:- अनापत्ति प्रमाण पत्र प्रदान करने के संबंध में।</u></p> <p>महोदय,</p> <p>ए.डी.बी. सहायक पर्यटन विकास योजना के अर्न्तगत पर्यटन विभाग (आई.डी.आई.पी.टी.) द्वारा पर्यटन को बढ़ावा देने हेतु अल्मोड़ा स्थित (मल्लामहल) एवं चम्पावत के (राजबुंगा व बाणासुर) किले का सौन्दर्यकरण एवं संरक्षण का कार्य प्रस्तावित है।</p> <p>कृपया उपरोक्त कार्यो हेतु अनापत्ति प्रमाण पत्र प्रदान करने की कृपा करे।</p> <p style="text-align: center;">धन्यवाद,</p> <div style="text-align: right; margin-top: 20px;">  भवदीय, परियोजना प्रबन्धक पी.आई.यू. भीमताल </div>		

ANNEXURE 5

Report on Public Consultations (as on 12th September'14) with reference to Champawat Forts (Rajbhunga and Banasur)

During the course of the preparation of the SAR and DPR, several public consultations were conducted in order to create consensus on the vacation of the Heritage Sites within the fort complex by the District Administration and in order to involve the public stakeholders in the process of the development of the project with the requisite public participation and capacity building. A brief on the Public Consultations is given herewith:

To commence the public consultations, an informal meeting was organised on the 27th June'14 wherein certain groups of traders from the market, visitors at the Tehsil and the office bearers of the Bar Association were consulted. It was explained that the Tehsil was proposed to be vacated in order to restore the site and reused for tourism related activities. A general consensus emerged that the site of the Tehsil could be shifted to another location if the site is to be utilized for public good. It was suggested by the stakeholders that the Banasur Fort also be included in the project.

In a series of public consultations, a series of meetings with the district administration officials were organized on 7th July'14. A team was duly constituted, that met the District Magistrate, The ADM and the SDM. The officials also called for a general meeting in the evening the proposed reuse and restoration plan for the Champawat Fort was presented. Once again a demand was raised by the participating stakeholders to include Banasur Fort and Golju Mul Temple, alongwith Shri Gorakhnath Temple in the restoration plan. Consensus was not obtained in the meeting as the administration expressed reservations about the public reaction to the proposal of shifting the administrative offices. They apprised that they were willing to shift in the public interest.

Another public consultation was held in the Collectorate premises was held on 16th August'14 wherein besides top officials of the district administration, the following stakeholder groups were also invited:

1. Nagar Palika Parishad or the Municipal Authorities
2. The Bar Association
3. The Hotel and Restaurant Association
4. The Department of Culture, Government of Uttarakhand
5. The Traders' Association of Champawat
6. Public Representatives
7. Members of the Media

A presentation on the present state of the heritage structures, restoration and reuse plans was shown. The following rationale for vacation was given:

The site includes an ancient (12th century) temple and structures more than two hundred years old. They are extremely significant from the heritage point of view and are under extreme stress due to lack of maintenance and conservation. The ADB tourism project will

help develop the site for tourism in the following manner:

1. Restoration of the historic sites

2. Revitalization of the entire precinct as a public space for experiencing regional history and culture, through creation of facilities such as:

- i. Develop cobblestone-paved courtyard as a performance arena.
- ii. Create a Museum on Kumaon culture in the main building.
- iii. Create a interpretation centre in the Tehsil court building, adjacent to the main palace.
- iv. Restoration of the historic sites with proper access and signage, retaining the sanctity of this significant edifice.
- v. Creation of craft demonstration areas.
- vi. Removal or concealment some buildings through strategic landscaping and foliage coverage of structures that create visual discord.
- vii. Create facilities in the town to enable it to emerge as a complete destination with secular spaces for experiencing the true flavor of Kumaon.
- viii. Improve access routes that lead up to the fort and temple leading to enhanced experience quality through interpretation and upgraded visitor amenities and facilities in and around the historic/archaeological site. I
- ix. Improve accessibility, from bazaar to the site.
- x. Improve basic tourist and pilgrim facilities and amenities in this significant area of cultural/ historical/ archaeological significance, as well as satellite sites.
- xi. Improve vehicular parking facilities for about 100 vehicles in the town.
- xii. Improve basic environmental services like solid waste and wastewater management.
- xiii. Enforcing strict standards for cleanliness and upkeep
- xiv. Improving tourist/visitor wayside amenities along approximately 10 kms of vehicular access.
- xv. Improving access to places of tourist/pilgrim attractions by way of 15 kms of connectivity improvement inclusive of roadside infrastructure and improved signage.
- xvi. Improving about 4 km of pedestrian environment connecting the heritage site with different parts of the town.
- xvii. Assisting in building capacities among rural communities and their organizations engaged in the practice of local art forms, craft and village based organic produce.
- xviii. Training around 50 individuals, giving equal opportunities to women and marginalized communities in heritage management and tourism-related skills in Champawat town.
- xix. Developing a range of master plans and management plans for environmental protection, restoration and development guidelines, cultural preservation, and pilgrim management.
- xx. Assisting in building the institutional/organizational capacities of various sector agencies in management, reuse and revitalization of the historic site.
- xxi. Printing and publishing of literature on the site and its nearby attractions, for instance books, brochures, guide maps etc.
- xxii. Effective social media management.
- xxiii. Creating a dedicated website leading to more effective web presence for the region.



Consulting with officials at site

Experts in consultation with local public representatives

The project will thus lead to enhancement of:

1. Local employment opportunities,
2. Development of Bazaar precinct for tourism,
3. Provide a good infrastructure for the Tehsil itself, with modern amenities and safety mechanisms,
4. Safeguard the state's valuable heritage, and
5. Give a new identity to Champawat and link the forts here to the one in Almora creating a tourism circuit of forts.
6. Bring in more tourists keeping in view the restoration and publicity for forts of Pithoragarh and Almora already under restoration.

The house was also apprised of the success stories of conservation in other parts of the country.

Many stakeholders expressed concern over the increasing breakdown of civic amenities in the town and the overcrowding. They were assured that the project will also look into upgrading the civic amenities, including improvement of the market areas.

Concerns were also expressed that the other heritage sites in the town were immense stress and in advanced stages of deterioration. It was assured that the sites would also be included in the sub-projects.

A general consensus emerged on relocation of the administrative offices with the provision of efficient and inexpensive transport facility to the new complexes.



Discussions with locals

Discussions with local opinion makers

Another meeting was called on the 24th August'14.

This meeting also saw the participation of the following stakeholders:

1. Officials of the District Administration including District Collector, ADM, SDM and the estate officials.
2. Members of the political class from various party affiliations.
3. Nagar Palika Parishad or the Municipal Authorities
4. The Bar Association
5. The Hotel and Restaurant Association
6. The Department of Culture, Government of Uttarakhand
7. The Traders' Association of Almora
8. Public Representatives
9. Members of the Media

Once again, the issue of relocation was discussed threadbare. There is a general agreement on the need for shifting the Tehsil. Alternate site with building has been identified. It was requested by the District Administration that with the sanction of money for minor repair of the new location where the Tehsil can be shifted. The new location has been identified by the District Administration in the residential premises of the Tehsil. NOC has been obtained, along with NOCs from other sites such as Golju Mul Temple, Gorakhnath Temple. Banasur being an unoccupied site offers no such impediments towards restoration efforts.

Further consultations were held by the experts on the 10th, 11th and 12th September when they met the following officials:

4. Mr. Mahendra Singh Chaudhary, District Magistrate, Champawat
5. Naresh Durgapal, Superintending District Magistrate, Champawat
6. Mr. Paritosh Verma, Superintending District Magistrate, Lohaghat

The abovementioned public officials informed our team that they had initiated detailed public consultations in several rounds with public stakeholders like traders' bodies, staff trade unions and influential individuals. The following points had emerged:

1. The site must be restored and adaptive reuse suggested for tourism related purposes.
2. Related fort of Banasur, not very far from the Rajbhunga Fort, where the public offices are situated, must be taken up for restoration.
3. The Ram Lila stage and seating, at the entrance of the fort should be incorporated in the plans for adaptive reuse.
4. The Nagnath Temple, in the vicinity of the fort, must also be included in restoration plans.
5. Gorakhnath Temple must also be included in restoration plans.
6. Durgadevi temple must remain open to public worship.
7. Capacity building of the local community must be ensured in the project.

The experts assured the members of the community as well as the administration, that the same shall be taken care of, while proposing the adaptive reuse. The community seemed enthusiastic at the prospect of an asset being added to their cultural and economic landscape.

Minutes of Meeting

Date: - 24-8-2014, Time: 12:30

Venue: - Champawat, SDM Office


Chairman: - SDM, Sadar Champawat

Attendance-

1. Balwant Singh
2. Prakash Tiwari, President Nagar Palika.
3. Narendra Bora
4. Basant Tagari
5. Rajendra Mehar
6. Jagdish Joshi
7. Koaushal Shaha
8. Sahi Verma
9. Ajay Prahari

1. Proposal was explained to the participant by IDIPT representative, Balwant Singh Project Manager.
2. SDM Champawat supported the project and commented that renovation of that particular heritage building is paramount and need of hours.
3. President Nagar Palika enquired about whether the proposed site be handed over to ASI after renovation.
4. IDIPT representative responded that assets could not be handed over to ASI since it is state government property, would remain as same after renovation.
5. Some member also raised the question that weather Tehsil office would be shifted.
6. SDM Champawat and IDIPT representative explain that office could be shifted since whole complex need to change into cultural and heritage site for tourism point of view that could be possible only after getting NOC from District Administration.
7. Participants were agreed to conversion of office into cultural and heritage site for promoting tourism and also suggested that Tehsil complex could be shifted in residential colony of Tehsil premises.
8. SDM Champawat issued NOC and directed IDIPT a presentation of Project would be displayed in next month on public consultation meeting.

SDM Champawat concluded the meeting with thanking every participants.


Project Manager
PIU- Bhimtal

Public Disclosure Through News Media

24.8.2014

विरासत बचाने की पहल

म्यूजियम बनेगा राजबुंगा किला

सतीश जोशी 'सपु'

चंपावत। चंपावत। जिला मुख्यालय में स्थित तहसील परिसर में चंद राजाओं की ओर से निर्मित ऐतिहासिक राजबुंगा किले को जल्द ही म्यूजियम (संग्रहालय) में तब्दील किया जाएगा। किले के वर्तमान स्वरूप को यथावत रखते हुए यहां सौंदर्यकरण कार्य के साथ पर्यटकों को आकर्षित किए जाने के लिए मल्टी स्टोरी पार्किंग और आडियोटोरियम निर्माण किया जाएगा। इसके लिए पर्यटन विकास विभाग ने एशियन डेवलपमेंट बैंक के सहयोग से 15 करोड़ रुपये का प्रस्ताव रखा गया है। इस संबंध में रानिखर को पर्यटन विभाग के प्रोजेक्ट मैनेजर बलवंत सिंह रावत ने तहसील परिसर का निरीक्षण किया। यदि आवश्यकता पड़ी तो वर्तमान तहसील परिसर को आवासीय कालोनी में शिफ्ट किया जा सकता है।

13 वीं सदी में चंद शासकों की ओर से राजबुंगा किले का निर्माण

चंपावत में चंद राजाओं द्वारा स्थापित राज बुंगा किले का प्रवेश द्वार।

किया गया था। किले में वर्तमान में तहसील, आबकारी, एसडीएम सदर, जैदर स्टेशन आदि के कार्यालयों का संचालन किया जा रहा है। एसडीएम सदर नरेश दुर्गापाल ने बताया कि किले को संग्रहालय में तब्दील करने के लिए अभी डीपीआर तैयार नहीं हुई है। प्रोजेक्ट मैनेजर के अनुसार प्रशासन से एनओसी मिलने के बाद ही योजना को अमलीजामा पहनाया जाएगा।

पर्यटन विभाग के प्रोजेक्ट मैनेजर ने किया किले का निरीक्षण

आवासीय कालोनी में शिफ्ट होगा तहसील कार्यालय

मल्टी स्टोरी पार्किंग का निर्माण भी प्रस्तावित

गोरखनाथ धाम का भी हो सौंदर्यकरण

चंपावत। रानिखर को तहसील किले के निरीक्षण के दौरान पर्यटन विभाग के प्रोजेक्ट मैनेजर के समक्ष प्रांतिकाध्यक्ष प्रकाश तिवारी ने गुरु गोरखनाथ धाम के सौंदर्यकरण की मांग भी उठाई। इस मौके पर हरेंद्र बीरा, बसंत तड़ानी, मिर्सीरा फडिये, दीपक तड़ानी, राजेंद्र महार, जगदीश जोशी, पौलत साह, सनी डर्म, अजय प्रहरी आदि मौजूद रहे।

पूर्ववर्ती भाजपा शासन में भी किले को संग्रहालय में बदलने का घोषणा की गई थी।