

Semi-annual Environmental Monitoring Report (July – Dec 2014

Project Number: 47229

May 2015

IND: Uttarakhand Emergency Assistance Project

Submitted by

Program Management Unit, Government of Uttarakhand, Dehrdaun

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Asian Development Bank

Semi-Annual Environmental Monitoring Report

(July, 2014 - December, 2014)

Loan Number: 3055-INDIA Month Year: March, 2015

IND: Uttarakhand Emergency Assistance Program (Civil Aviation Sector)

Prepared by: State Disaster Management Authority, Government of Uttarakhand, for the Asian Development Bank

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ABBREVIATIONS

ADB - Asian Development Bank BOD - Biological Oxygen Demand

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
Gol - Government of India

GoUK - Government of Uttarakhand
IEE - Initial environmental examination

INR - Indian Rupee

PUC - Pollution under Control Certificate

MLD - Million Liters per day

MoEF&CC - Ministry of Environment, Forests and Climate Change

MFF - Multi-Tranche Financing Facility
NGO - Non-Governmental Organization

NO_x - Nitrogen oxide
PD - Project Director

PIU - Project Implementation Unit

PM - Particulate Matter

PMU - Project Management Unit

RP - Resettlement Plan

RPM - Reparable Particulate Matter

SC - Scheduled Castes

SEAC - State Expert Appraisal Committee

SEIAA - State Environmental Impact Assessment Authority

SO₂ - Sulphur-di-oxide

SPM - Suspended Particulate Matter
SPS - Safeguard Policy Statement

ST - Scheduled Tribe

UCADA - Uttarakhand Civil Aviation Development Authority

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UEPPCB - Uttarakhand Environmental Protection and Pollution Control

Board

UJS - Uttarakhand Jal Sansthan

I. INTRODUCTION

A. Background

- 1. 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 divided into two regions and also called administrative divisions; the Kumaon and Garhwal. The region is traditionally referred to as Uttarakhand in Hindu scriptures and old literature, a term which derives from the Sanskrit for Northern Country or Section. Uttarakhand by virtue of its geographical setting is vulnerable to minor ecological changes. Hence any activity disapproved by mountain ecosystem triggers a disaster. We cannot stop disaster to happen but can certainly take some steps to reduce its effects. Disasters are synonymous to damage of property, life and psyche of the people. If disasters cannot be averted, then reduction of losses of any type, caused by disaster becomes a focal point of the policy for disaster. So far, in the recent June 2013 Uttarakhand has experienced major natural calamities in five main districts Rudraprayag (especially Kedarnath), Chamoli, Uttarkashi, Bageshwar and Pithoragarh (Dharchula).
- 2. Uttarakhand being a tourist and pilgrimage State attracts a large number of tourist and pilgrims. Several towns have been washed away by the unprecedented flash floods and landslides, and a large number of houses, public buildings, roads, bridges, urban, rural, and tourism infrastructure, power generation and distribution facilities have been damaged. The impact on the affected population due to the loss of connectivity has been manifold.
- 3. Based on the request of India, a Rapid Joint Damage and Needs Assessment (RJDNA) was undertaken by Asian Development Bank (ADB) and the World Bank. ADB agreed to assist the Government of India (GOI) with reconstruction and rehabilitation efforts for which the Uttarakhand Emergency Assistance Project (UEAP) has been formulated as a multi-sector emergency loan in sector loan modality. The executing agency (EA) for the UEAP (Civil Aviation Sector) is Government of Uttarakhand (GOU) and State Disaster Management Authority (SDMA). While implementing agency for Civil Aviation sector is Uttarakhand Civil Aviation Development Authority (UCADA).
- 4. Under Civil Aviation sector it is envisaged to construct and up-grade the 60 helipads all over the state as part of disaster preparedness in 2 Phases of the UEAP to facilitate evacuation of the people during emergencies and natural calamities.

B. Project Objectives

5. Recent disaster of unprecedented floods in June, 2013 in the state of Uttarakhand, devastated many towns and villages on the banks of rivers Mandakini, Bhagirathi, Pindar, Alaknanda and Saryu. Infrastructure facilities like roads, power supply,

- communication, buildings, and water supply had been affected severely. Though the state government had taken up many steps to temporarily restore the facilities, it is envisaged to take up permanent measures to restore and rehabilitate the facilities.
- 6. Being part the Himalayan region, Uttarakhand is a disaster prone state. Landslides, forest fires, cloudbursts and flash-floods are seasonal in nature and this strike at a certain period of the year with high frequency. Natural disasters in the mountains are the most devastating and are unpredictable. Natural disaster of June 2013 resulted in huge damage of life, roads, tourism assets/infrastructure, rural & urban infrastructure in the state of Uttarakhand. This event also recorded a glacial lake burst/overflow related flash flood at Kedarnath causing a great number of loss of lives and severe damage of property enroute.
- 7. The Government of Uttarakhand (GoU) launched a massive emergency rescue and evacuation operation with assistance from the Indian Army, Indian Air Force (IAF), Indo-Tibetan Border Police (ITBP), the National Disaster Response Force (NDRF) and the local Police evacuating more than 110,000 people from these flood affected areas. The need to immediately start the recovery and reconstruction work, especially in the most affected areas prompted the need for a rapid assessment to understand the nature of damages post-disaster. The Uttarakhand Government is committed to ensure the safety and well-being of its people and recognizes the necessity to continuously improve disaster risk reduction and management within the State.
- 8. Natural Disaster of June, 2013 has resulted in huge loss of lives of tourists/residents and severe damage to infrastructural facilities in the region, highlighting the requirement to strengthen the disaster preparedness by creating proper rescue/relief/evacuation mechanism through aerial route in such eventualities in the difficult Himalayan terrain.
- 9. In order to improve connectivity and facilitate evacuation during disasters and natural calamities, it was decided to construct and up-grade the 60 helipads all over the state for disaster preparedness in 2 Phases of the UEAP.
- 10. Initially 19 helipads (helipads and heliports) were proposed under Phase 1 program and described in Sub-project Appraisal Report (SAR), Out of these 19 sites, 12 helipads and heliports have been taken in Phase 1 based on availability of land and NOCs obtained from the owners. The No-Objection Certificates (NOCs) for all 12 sites (helipads or heliports) have been obtained from the concerned authorities (District Magistrates). These 12 locations exist in 7 Districts of Uttarakhand State. Out of these 7 Districts, 4 Districts are under Garhwal Division (Pauri, Tehri, Chamoli and Rudraprayag) and remaining 3 Districts are under Kumaon Division (Almora, Bageshwar and Champawat).
- 11. Out of these 12 locations in Phase 1 program, 3 sites to be developed as H2 category (area required 6,000 m²), 5 sites as H3 category (area required 2,500 m²) and remaining 4 sites to be developed as H4 category helipad, which need at least 900 m² area for construction. These helipads and heliports also required some other basic facilities such as multi-purpose house (MPH) and parking facilities for vehicles etc. At this stage these basic amenities are not proposed.



Figure 1: District of Uttarakhand depicting in Garhwal and Kumaon regions

C. Project Purpose

- 12. The purpose of the project is to improve, restore and reconstruct basic public and social infrastructure. disaster preparedness, project management and arrangement for timely and effective implementation of the project. Under this about 1,800 km of state highways (SH) and major district roads (MDR); rehabilitation and capacity augmentation of the existing water treatment and reconstruct affected tourism infrastructure in 5 worst affected districts by which Civil Aviation facilities in surrounding towns and villages near the gateways to major destinations. For which the primary implementing agencies (IA) are Public Works Department (PWD) for roads, bridges, urban roads, and trekking routes including eco-trails Department of Tourism (DOT) through Kumaon Mandal Vikas Nigam Limited, and Garhwal Mandai Vikas Nigam Limited for tourism infrastructure, Uttarakhand Civil Aviation Development Authority (UCADA) for helipads; and Uttarakhand Jal Sanstahan (UJL) for urban water supply. or any successor hereto.
- 13. The nature of the sub-projects may change during their subsequent development, particularly during detailed design. This report is the Environmental Monitoring Report (EMR) for Civil Aviation Sector project to describe the implementation of the mitigation measures and monitoring recommended in the IEE and summary Initial Environmental Examination (SIEE).

D. Purpose Profile

14. At the end of December 2014,the contract for Construction and Upgradation of 12 Helipads in 7 Districts of Uttarakhand State (**Package** No. UK/UEAP-CA/P1/01R) has been signed. The status of work is given in **Table 1**. Site identification and due diligence for remaining 48 Helipads has also been initiated.

Table 1: Details and status of the work

Locations	Package Code	Sub-project	Physical progress
	nd Upgradation of 12 Helipads in 7 Uttarakhand State (Package No. 1/01R)		
Rudraprayag	Construction of Helipad (H3) at Sports round, Agastyamuni		
Rudraprayag	Construction of Heliport (H2) at Gulab Rai, Rudraprayag		
Pauri	Construction of Helipad (H4) near Ransi Stadium, Pauri		
Pauri	Construction of Heliport (H2) at ITI Ground, Srinagar	Construction	
Tehri	Construction of Helipad (H4) at Police Line, Chamba	and Upgradation of 12 Helipads	Civil work not started
Tehri	Construction of Helipad (H4) at Police Training Centre, Narendranagar	in 7 Districts of Uttarakhand	at this stage(0% progress)
Chamoli	Up-gradation (H3) of existing Helipad (H4) near Cliff Top Hotel, Auli	State	
Almora	Construction of Helipad (H3) at Unchakot, Dwarahat		
Almora	Construction of Helipad (H3) near Khachar Stream, Chaukhutia		
Bageshwar	Construction of Helipad (H3) at Kedareshwar Ground, Kapkot		
Bageshwar	Construction of Helipad (H4) at Dau Tok Khati		
Champawat	Construction of Heliport (H2) near Circuit House, Champawat		

Table 2: Status of Sub-project Implementation under UEAP-Civil Aviation Sector (Upto 31st December, 2014)

Locations	Sub-Projects Components (Package No.)	Starting date of Implementation	Projected months of completion (as per Work order)	Schedule date of completion (Extended date of completion)	Physical progress
12 Helipads	and Upgradation of in 7 Districts of State (Package No. P1/01R)				
Rudraprayag	Construction of Helipad (H3) at Sports round, Agastyamuni	Notice to Proceed (NTP) yet to be given to the civil work contractor.	15 Months	15 th March, 2016	Civil work not started at this stage
Rudraprayag	Construction of Heliport (H2) at Gulab Rai, Rudraprayag	Contractor.			

Locations	Sub-Projects Components (Package No.)	Starting date of Implementation	Projected months of completion (as per Work order)	Schedule date of completion (Extended date of completion)	Physical progress
Pauri	Construction of Helipad (H4) near Ransi Stadium, Pauri		9		
Pauri	Construction of Heliport (H2) at ITI Ground, Srinagar		al .		
Tehri	Construction of Helipad (H4) at Police Line, Chamba				
Tehri	Construction of Helipad (H4) at Police Training Centre, Narendranagar				0.
Chamoli	Up-gradation (H3) of existing Helipad (H4) near Cliff Top Hotel, Auli				
Almora	Construction of Helipad (H3) at Unchakot, Dwarahat	= 1			pr==0
Almora	Construction of Helipad (H3) near Khachar Stream, Chaukhutia				
Bageshwar	Construction of Helipad (H3) at Kedareshwar Ground, Kapkot				
Bageshwar	Construction of Helipad (H4) at Dau Tok Khati				
Champawat	Construction of Heliport (H2) near Circuit House, Champawat				

II. IMPLEMENTATION PROGRESS

E. Major Works and Progress

15. Under Civil Aviation Sector, one contract for the construction and up-gradation these 12 helipads and heliports under Phase – 1 program has been awarded to the M/s Woodhill Infrastructure Ltd (**Table 2**). At this stage of Phase 1 program under UEAP, 11 new helipads to be constructed and 1 helipad to be up-graded within 15 months of the construction period. As per IEE baseline data with respect to air, water, noise and soil will be generated by the contractor shortly. Monitoring and reporting on environmental safeguard will be started shortly.

Table 3: Major Works under Sub-project and Progress

Location	Sub-projects Components (Package No.)	Listing of works under the package	What type of works continued at present	Expected changes from approved scope	Fulfillment of objectives- Type of remedial measures	Key assumptions and risks that affect attainment of the objectives
Construction and Up Helipads in 7 Uttarakhand State UK/UEAP-CA/P1/01R)	Construction and Upgradation of 12 Helipads in 7 Districts of Uttarakhand State (Package No. UK/UEAP-CA/P1/01R)					
Rudraprayag	Construction of Helipad (H3) at Sports round, Agastyamuni					
Rudraprayag	Construction of Heliport (H2) at Gulab Rai, Rudraprayag	Other allied facilities to be		4++hi	Instruction has been issued to	
Pauri	Construction of Helipad (H4) near Ransi Stadium, Pauri	provided later on. At this stage only construction of helipad has been	There is no activity/work started at the site	stage no such changes are expected from the approved scope.	contractor for collection of Baseline data before start of	No risk anticipated
Pauri	Construction of Heliport (H2) at ITI Ground, Srinagar	proposed			construction.	
Tehri	Construction of Helipad (H4) at Police Line, Chamba					
Tehri	Construction of Helipad (H4) at Police Training					

Location	Sub-projects Components (Package No.)	Listing of works under the package	What type of works continued at present	Expected changes from approved scope	Fulfillment of objectives- Type of remedial measures	Key assumptions and risks that affect attainment of the objectives
u S	Centre, Narendranagar					
Chamoli	Up-gradation (H3) of existing Helipad (H4) near Cliff Top Hotel, Auli					
Almora	Construction of Helipad (H3) at Unchakot,		V			
Almora	Construction of Helipad (H3) near Khachar Stream, Chaukhutia		,			
Bageshwar	Construction of Helipad (H3) at Kedareshwar Ground, Kapkot					
Bageshwar	Construction of Helipad (H4) at Dau Tok Khati					
Champawat	Construction of Heliport (H2) near Circuit House, Champawat					

F. Compliance of Safeguard Loan Covenants

16. The status of compliance of ADB's major Loan Covenants related to safeguard issues is shown below:

Table 4: Status of Compliance

Serial No. as per Loan Agreement	Program Specific Covenants	Status / Issues
Environment		
9	The Borrower shall ensure or cause the EA and IAs to ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project facilities comply with (i) all applicable laws and regulations of the Borrower and State relating to environment, health, and safety; (ii) the Environmental Safeguards of ADB; and (iii) all measures and requirements set forth in the EARF, EIA/ IEE as applicable, and the EMMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report.	Under compliance Documents are prepared by complying all relevant State and National Laws, Safeguard Policy Statement (SPS 2009) of ADB, Environment Assessment Review Framework (EARF). Initial Environmental Examination (IEE) along with Environment Management Plan (EMP) to be approved by ADB. In case of any change of scope and locations IEE will be revised. All measures and requirements as prescribed in IEE and EMP will be considered during implementation. Corrective or preventive action plans which will be reflected in Environment Monitoring Report and project implementation authority will be taken care.
Human and Finance	cial Resources to Implement Safe	the second secon
12	The Borrower shall ensure or cause the EA and relevant IA to ensure (a) that all necessary budgetary and human resources to fully implement the EMMP as required, are made available; and (b) One official has been designated to supervise implementation of the EMMP at IA-Tourism Sector Subprojects.	Under compliance Budgetary provisions have been included in EMPs One officer is designated to supervise implementation of the EMMP at IA-Civil Aviation Sector.
Safeguards - Rela	ited Provisions in Bidding Docum	nents and Works Contracts
13	Borrower shall ensure or cause the EA and each IA to ensure that all bidding documents and contracts for Works contain provisions that require contractors to:	Under compliance (a) Approved IEEs, EMPs and RPs

Loan Agreement	(a) comply with the measures and requirements relevant to the contractor set forth in the EIA/IEE, the EMMP, the RPs and any IPP (to the extent they	are attached in Bidding documents. In case of any change of scope, revised IEEs, EMPs will be prepared
	concern impacts on affected people during construction), and any corrective or preventative actions set out in a Safeguards Monitoring Report;	and corrective measures will be disclosed to contractor and same will be reflected in the "Environment Monitoring Report" (b) All IEEs indicate budgetary provisions for implementation of EMPs
	 (b) make available a budget for all such environmental and social measures; (c) provide the relevant IA with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks if any, or impacts that arise during construction, implementation or operation of 	(c) With the development of sub project and implementation, in case of additional impacts/risks due to change in scope/area, that will be reflected in the revised IEEs, EMPs and Environment Monitoring Report and accordingly project Executing Agency will inform the Construction Agency for taking relevant corrective measures.
	the project that were not considered in the EIA/IEE, the EMMP, and the RP or the IPP if any;	(d) Haul roads will be marked properly (by avoiding residences and agricultural land) before commencement of transportation of materials.
	(d) adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and	(e) Pathways, land which are likely to be affected for a short period during implementation of the sub project will be restored by concerned construction agency before acceptance of the work. Restoration
	(e) fully reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.	status will be reflected in post construction monitoring report
Safeguards Monit	oring and Reporting	
14	The Borrower shall ensure or cause the EA and each IA to	Under compliance
	ensure the following: (a) submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;	December 2014. Next semi-annua

Serial No. as per Loan Agreement	Program Specific Covenants	Status / Issues
	(b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEE/EIA, the EMMP, the RPs or any IPP, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and (c) report any breach of compliance with the measures and requirements set forth in the EMMP, the RPs or any IPP promptly after becoming aware of the breach.	additional impacts/risks due to change in scope/area, will be reflected in revised IEEs, EMPs and accordingly Executing Agency (EA) will inform to ADB along with corrective action plan which will be reflected in the Monitoring Report. (c) In case of any breach of compliance with the measures and requirements set forth in the EMP EA will promptly inform ADB and suitable corrective action plan will be planned.
Prohibited List of		
15	The Borrower shall ensure or cause the EA and each IA to ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in ADB's SPS (2009).	For selection of sub-projects there is no violation of prohibited investment activities as per ADB SPS (2009)
Labor Standards	provided in ABB's or 6 (2000).	
16	The EA through each IA shall ensure that civil works contracts under the Project follow all applicable labor laws of the Borrower and State and that these further include provisions to the effect that contractors; (i) carry out HIV/AIDS awareness programs for labor and disseminate information at worksites on risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction; and (ii) follow and implement all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions. Such contracts will	Complied in document and to be complied during implementation Provision are included (as per EMP & BID document) to carry out HIV/AIDS awareness programs for construction contractor, application of all relevantabour laws for health and safety including child labour law and engagement of local labours (preferably from economically backward group) covering womentabours. In case of any breach of provision necessary corrective measures as per contract clauses shall be taken. All activities including awareness program will be reflected in "Monitoring Report".

Serial No. as per Loan Agreement	Program Specific Covenants	Status / Issues
	termination in case of any breach of the stated provisions	
	by the contractors.	

G. Environmental and Social Organization and Management along with Implementation Arrangements

- 17. The institutional arrangements specify the arrangements for the implementation of environmental provisions of the proposed subproject. The Executing Agency (EA), State Disaster Management Authority (SDMA) will work closely with the Project Implementation Agency (Civil Aviation) for effective implementation of environmental safeguards related requirements of the UEAP. The institutional arrangements and responsibilities are detailed below.
- 18. The sub-project will be implemented and monitored by PIU (CA)as implementing agency through its Field PIU's supported by DSC (also working as Engineer) and overall management support shall be provided by PMU (UEAP/ADB).
- 19. The Safeguard Staff of UEAP SDMA (EA) in PMU & IA will monitor the implementation of environmental covenants with assistance of Engineer (DSC).
- 20. UEAP SDMA (EA) shall be responsible for ensuring compliance to environmental requirements of the ADB as well as central/state governments and reporting the same to ADB. A relevant portion of EMMP will be a part of contract with the civil works contractors engaged for execution of the works. The primary responsibility of implementation of EMMP is of the IA during pre-construction and operation and maintenance phases; and of the civil works contractor during the construction phase as defined in the EMMP. The responsibility of supervision of EMMP implementation is of the DSC; and it would guide the IA and the civil works contractors in this regard. DSC with IA and EA (UEAP) will act as monitoring agency as delegated in EMMP. All applicable statutory environmental clearances, consents, and/or permits (at national, state and local levels) as required for the implementation of the subproject would be obtained by the IA or by the civil works contractor in line with India's national/state/local laws and regulations, and in accordance with ADB's SPS 2009 requirements. Redressal of grievances shall be the responsibility of UEAP SDMA (EA). Apart from the mechanism for the grievances receiving and redressal at the level of EA, the provision shall be kept in the EMP of the subprojects wherein the contractor will depute one

Environmental Safeguard Officer who shall be responsible for implementation of EMP, reporting and grievance redressal on day-to-day basis. The grievances/complaints received at the level of contractor shall be recorded on the Complaints Register and the same shall be forwarded to the DSC (Engineer of the Contract) within 48 hours along with the details of action taken to redress the grievance. The Team Leader of DSC shall immediately try to resolve the issues and forward the details to the FPIU/IA. If the action taken by Contractor and DSC is found to be inadequate, then necessary instructions shall be issued by the FPIU/IA for implementation of rectification measures.

III. ENVIRONMENTAL PROCEDURE REVIEW

H. Environmental Legal Requirements

21. The Government of India has formulated various policy guidelines; acts and regulations aimed at the sustenance of environment in general, which are briefly summarized and few applicable acts with the project, are described in the following sub-sections.

Table 5: Environmental Regulations

SI. No.	Sources	Legislation	
1	EIA Notification	The Ministry of Environment and Forests has revised the EIA notification, 1994, and issues the revised EIA notification on 14th September 2006	
2	Environment	The Environment (Protection) Act, 1986	
3	Forest/ Tree resources	The Forest (Conservation) Act, 1980	
4	Water Pollution	The Water (Prevention and Control of Pollution) Act, 1974, as amended in 1988	
5	Air Pollution	The Air (Prevention and Control of Pollution) Act, 1981, as amended by Amendment Act, 1987	
6	Noise Pollution	The Noise Pollution (Regulation and Control) Rules, 2000	
7	Public Liability	The Public Liability Insurance Act, 1991 The Public Liability Insurance Rules, 1991	
8	Conservation, construction and reuse in and around the protected monuments	The Ancient Monuments and Archaeological Site and Remains Act, 1958, and the rules, 1959	
9	Hazardous Waste	 Hazardous Waste (Management and Handling) Rules, 1989 Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 Emergency Planning Preparedness and Response for Chemical Disasters Rules, 1995 Hazardous Microorganisms and Genetically Modified Organisms (Manufacture, Use 	

SI. No.	Sources	Legislation
		Import Expert and Storage) Rules, 1999
10	Use and Management of Explosive	The Explosives Act, 1884 and The Explosives Rules, 1983

22. Prominent acts are discussed below:

> The Environment Protection Act, 1986 and EIA Notification, 1994

23. The Environmental (Protection) Act, 1986 is the umbrella legislation providing for the protection of environment in the country. This Act provided for the Environment (Protection) Rules, which have been formulated under the act "The Environmental Impact Assessment Notification, 1994 and the Amendments/Revised EIA notification on 14th September 2006".and Year 2009.

> The Forest (Conservation) Act, 1980

- 24. The Forest (Conservation) Act, 1980 pertains to the cases of diversion of forest area and felling of roadside plantation. Depending on the size of the tract to be cleared, clearances are applied for at the following levels in the governments:
 - If the area of forests to be cleared or diverted exceeds 40 ha (or, 10ha
 in hilly area), the prior permission of the Central Government is
 required;
 - If the area of forest to be cleared or diverted is between 5 to 40 ha, the Regional Office of Chief Conservator of Forests is empowered to approve;
 - If the area of forest to be cleared or diverted is below or equal to 5 ha, the State Government can give permission;
 - and If the area to be clear-felled has a forest density of more than 40%, permission to undertake any work is needed from the Central Government, irrespective of the area to be cleared.

> The Wildlife (Protection) Act, 1972

25. The Wildlife Protection Act has allowed the government to establish a number of National Parks and Sanctuaries over the past 25 years, to protect and conserve the flora and fauna of the state.

> The Water and Air (Prevention and Control of Pollution) Act, 1974

26. The Water (Prevention and Control of Pollution) Act, 1974 resulted in the establishment of the Central and State level Pollution Control Boards. Whose responsibilities include managing water quality and effluent standards, as well as monitoring water quality, prosecuting offenders and issuing licenses for construction and operation of certain facilities. The SPCB is also empowered to set air quality standards and monitor and prosecute off enders under the air (Prevention and Control of Pollution) Act, 1981.

> Noise Pollution (Regulation&Control) Rules, 2000, asamended

- 27. Use of heavy machinery and vehicles ambient noise levels may increase during the construction phase. It is considered necessary to regukate and control noise producing and generating sources with the objective if nainintaing the ambient noise quality standards in respect of noise. The occupier of the subproject have to take measures for abatement of noise pollution ensuring that the existing noise levels do not exceed the standards specified under the Noise Pollution (regulation and control) rules, 2000, as amended.
- 28. Clearance status for sub-projects is given in Table 6 below.
- 29. Environmental compliance status for the running project is enclosed in **Annexure 1**.

Table 6: Present Status of Environment, Forest & other clearances (Dec., 2014)

Work (Package No.)	Applicable Legislation/ Type of clearance	Subject / Issue	Clearance givenby anddate	Remarks/ Action needed
Construction and Upgradation of 12 Helipads in 7 Districts of Uttarakhand State (Package No. UK/UEAP-CA/P1/01R) Rudraprayag Construction of Helipad (H3) at Sports round, Agastyamuni Rudraprayag Construction of Heliport (H2) at Gulab Rai, Rudraprayag Pauri Construction of Helipad (H4) near Ransi Stadium, Pauri Pauri Construction of Heliport (H2) at ITI Ground, Srinagar Tehri Construction of Helipad (H4) at Police Line, Chamba	The Environment Protection act, 1986 and the EIA Notification, 1994. The water (Prevention and Control of Pollution) Act, 1974 AIR (Prevention and Control of Pollution) Act, 1981 The Water (Prevention and Control of Pollution) Act 1974. The Noise Pollution (regulation and control) rules, 2000, as amended		During the preparation of IEE and EMMP it was observed that no statutory and legislative clearance is required.	Implementation of the project will not have any bearing on ecology and environment of the locality. Since the structure will be constructed in vacant government lands it will not involve any displacement of people or disruption of any economic activity. All the infrastructure units are proposed to be constructed outside ecological sensitive area. The design and constructions are consistent with the surrounding landscape. The construction activity will involve only minor

Work (Package No.)	Applicable Legislation/ Type of clearance	Subject / Issue	Clearance givenby anddate	Remarks/ Action needed
Tehri Construction of Helipad (H4) at Police Training Centre, Narendranagar Chamoli Up-gradation (H3) of existing Helipad (H4) near Cliff Top Hotel, Auli Almora Construction of Helipad (H3) at Unchakot, Dwarahat Almora Construction of Helipad (H3) near Khachar Stream, Chaukhutia Bageshwar Construction of Helipad (H3) at Kedareshwar Ground, Kapkot Bageshwar Construction of Helipad (H4) at Dau Tok Khati Champawat Construction of Heliport (H2) near Circuit House, Champawat				building foundation excavation which will be filled up with soil after the construction. The project will not influence the flora or fauna of the locality in any way

IV. IMPLEMENTATION STATUS OF ENVIRONMENT MEASURES

30. Field activities have not been started till 31st December, 2014. Application of EMP will be commenced as per IEE report. The compliance monitoring format for application of mitigation measures against impacts on air, water, soil environment, and social and safety aspects is enclosed in Annexure 2. Format for summary compliance status of EMP application and actions/ corrective measures presented in **Table 7** below.

Table 7: Summary Compliance status of Environment Management and Monitoring Plan (31.12.2014)

Location	Name of Sub-project	EMP being Implemented (Yes / No)	Overall Status of EMP Implementation (Excellent/ Satisfactory/ Partially Satisfactory/ Below Satisfaction/ Poor/Very Poor)	Actions Proposed or continued/ Additional Corrective Measures Required
Rudraprayag: Helipad (H3) at Sports round, Agastyamuni	Construction & Upgradation of 12	No (to be started soon)		No physical progress

Rudraprayag: Heliport (H2) at Gulab Rai, Rudraprayag Pauri: Helipad (H4) near Ransi Stadium, Pauri	Helipads in 7 Districts of Uttarakhand State (Package No. UK/UEAP- CA/P1/01R)			
Pauri: Heliport (H2) at ITI Ground, Srinagar Tehri: Helipad (H4) at Police Line,				
Chamba Tehri: Helipad (H4) at Police Training Centre, Narendranagar	-			
Chamoli Up-gradation (H3) of existing Helipad (H4) near Cliff Top Hotel, Auli				
Almora: Helipad (H3) at Unchakot, Dwarahat Almora: Helipad	150-			
(H3) near Khachar Stream, Chaukhutia Bageshwar:				100
Helipad (H3) at Kedareshwar Ground, Kapkot Bageshwar:		THE ENTHER OF	and the manufacture of the same of the sam	On The
Helipad (H4) at Dau Tok Khati Champawat: Heliport (H2) near				
Circuit House, Champawat	tops HALL In		me nemona mi	nos-

V. ENVIRONMENTAL MONITORING AND EVALUATION

- 31. For effectivemonitoring, selected environmental parameters have been identified as indicators which will be qualitatively and quantitatively measured and compared over a period of time in order to assess/ensure the compliance of EMP. The environmental performance indicators are physical, biological and social characteristics identified as most important in affecting the environment at critical locations all along the subproject locations. The parameters identified as performance indicators are:
 - > Air, noise and water quality
 - > Compliance to EMP
 - Compliance to local/state/national environmental regulations

- 32. During implementation process, performance monitoring fact sheet is being prepared against each possible environmental impact and attached with the monitoring report. Annexure 3 shows the Performance Fact Sheet for implementation of EMP.
- 33. Base line air and noise quality monitoring will be carried out at working areas as per scope of work. Base line monitoring format of ambient air quality data is presented in **Table 6**.
- 34. In case of involvement of water source as working components water quality monitoring will also be conducted at project locations.
- 35. "During construction" monitoring will be carried out as per Environment Management and Monitoring Plan.

VI. MAJOR PROJECT ISSUES AND PROBLEMS ENVIRONMENTAL CONTEXT

36. No construction activity in the sub-projects has started yet. Till date, no major issues and problems have been encountered with, at the sub project locations.

VII. CONSULTATIONS AND RECOMMENDATIONS ENVIRONMENTAL CONTEXT

37. For protection of local environment during construction phase, application of mitigation measures will be done as per specified EMP. Pubic consultation during construction/ implementation phase will be planned as per the requirement. Annexure 4 shows the blank consultation format for recording.

VIII. GRIEVANCE REDRESSAL

38. A joint social and environmental redress mechanism will be implemented under the project. Grievances and suggestions from local and affected people may come-up related to inappropriate implementation of the project and components of EMP. The expected range of grievances to be handled through this mechanism will encompass but not limited to the following: i) nuisance from noise, dust, and temporary blocking of access; ii) contamination of receiving water from runoff; iii) emissions from increase

vehicular traffic and stationary sources like construction machineries; iv) conflict between local residents and migrant workers; v) ownership of vegetation for clearing; and vi) damage compensation. These issues will be addressed through acknowledgement, evaluation and corrective action and response approach. Grievances from public or stakeholders concerning the project and EMP implementation will be received by the concerned Executive Engineer of UEAP division. The Executive Engineer shall refer the application to Construction Supervision Consultants (DSC) who then assess the grievances/suggestions and if they are found to be genuine and acceptable, will be resolved at division level itself within 15 to 30 days from the date of receipt. In case, the issue is unable to be resolved, the matter will be forwarded to the PMU, UEAP (Head quarter). This mechanism is non-judicial in nature and does not preclude the affected people coursing their grievances to the courts. The corrective action will be started as per the action plan indicated to the stakeholder. The action taken and the outcome shall form a part of quarterly report to ADB.

39. Till date no GR committee is set up under UEAP at Civil Aviation. Process has been initiated for setting up GR committee and which will be completed shortly.

IX. ISSUES AND ACTION PLAN

- 40. Tourism is a one of the fastest growing industries and a major driver of economic growth and livelihood promotion in Uttarakhand. The contribution of tourism to the State Gross Domestic Product is about 22.48%. The sector witnesses active participation of the private sector and the local host communities and is a major source of employment and income/revenue generation. As a result of natural disaster of June 2013 tourism infrastructure / sector faced a major setback in Uttarakhand
- 41. As a part of Civil Aviation component, construction of Helipad / Heliporst / Helidromes are proposed in different disaster affected districts in two phases and to provide improved accessibility and exit routes at the time of disaster to the local populace and tourist/pilgrims visiting this area.
- 42. It is important to mention in this context that the final detailed engineering design in each sub project of UEAP shall be prepared keeping in mind to avoid or minimize social and environmental impact as far as possible.
- 43. With the development of project the action plan will be considered for timely and satisfactory environmental compliance. Sample suggestion & action plan format is shown in **Table 8.**

Table 8: Suggestion & Action Plan considered for satisfactory Environmental Compliance

SI. No.	Issues	Suggestion and Recommendation	Action to be taken by	Time Frame
1	Application of EMP			
2	Health and Safety	•		
3	Restoration of the construction area			
4	Social relationship and public safety			

Annexure 1:Environment Forest and other Compliance (December 31st, 2014)

Date of Environmental Monitoring	To be started
PUC	To be obtained
Ground Water Permission	X X
CTE/CTO Authorization Ground Water Permiss	NA
сте/сто	X X
Consent for establishment of crusher from quarry material supplier	NR now
Permission from State/ National Archaeological dept.	X X
Tree Č Cutting Permission	X X
Wild Life Act applicability	N R
Forest Clearance	N. N.
Wet Land	χ Σ
EIA Wet Clearance Land	A.
Package	Construction and Upgradation of 12 Helipads in 7 Districts of Uttarakhand State (Package No. UK/UEAP-CA/P1/01R)

Annexure2:Compliance of Application of EMMP - Sample Format

Project :
Package No. :
Progress :

Physical Progress:

SI. No.	Activity	Management/ Mitigation	Parameters Monitored	Location	Location Responsibility for Mitigation	Monitoring Date of Method	Date of Monitoring	Compliance Status/ Explanation
1.	Site Establishment and Pre	Site Establishment and Preliminary Activities Impacts						
		In all instances, EA, IA contractors and consultants must remain in						
		compliance with relevant						*1
		environmental legislation of India at the national, state and local levels.						
7	Legislation, Permits and	Proof of compliance to statutory						+
=		requirements must be forwarded by						
		the facility owner contractor to						
		PMU/F-PIU in relation to hot mixing,						
		stone crushers, diesel generators etc						
		A copy of the EMP must be kept on						
		site during the construction period						
		Ensure that all site personnel have a						
	CO Hotel Chicago and State Chicago	basic level of environmental						
,	Education of site stall on	awareness training		9				
7.7	general and Environmental	Staff operating equipment (such as						
	Collance	excavators, loaders, etc.) shall be						
		adequately trained and sensitized to						

¹ These points need to be made clear to all staff on site before the work commences.

	¥.	Monitored	for Mitigation	Method	Monitoring	Status/ Explanation
	any potential hazards associated with their task					
	No operator shall be permitted to					
	of mechani					
	equipment without having been trained by the Contractor					
	All employees must undergo safety					
41	training and wear the necessary					
- 41	protective clothing /equipment					
41	A general regard for the social and					
<u> </u>	ecological well-being of the site and					
	adjacent areas is expected of the					
	aware of the following general rules:				1	
	No alcohol / drugs to be present					
	on site;					
	-					
	due to construction related					
	activities and conduct of work	-				
Ī	force;					
	Construction staff are to make					
Ī	use of the facilities provided for					
	them, as opposed to ad-hoc					
	alternatives (e.g. use of firewood					
	for cooking, the use of					
	surroundings as a tollet facility					
	;(r					
	ıcial					
	adjoining the site is forbidden;					

		Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
		궁						
		permitted to live on the						
		construction site. No worker may be forced to do work that is						
		potentially dangerous or for what						
		Onen liaison channels shall be						
		⊑						
		operator, the contractors and						
		interested and affected parties such						
		that any queries, complaints or						
		suggestions pertaining to						
		environmental management aspects						
		can be dealt with quickly and by the						
		appropriate person(s).						
		A communications strategy is of vital						
	2	importance in terms of						
ر ک	Social Impacts	accommodating traffic during road						
		closure. The road closure together						*
		with the proposed detour needs to						
		be communicated via advertising,						
		pamphlets, radio broadcasts, road						
		signage, etc.						
		Provide sign boards for pedestrians						
		to inform nature and duration of						
		construction works and contact						
		numbers for concerns/complaints.						
		Storage facilities, elevated tanks and						

²It is important to take notice of the needs and wishes of those living or working adjacent to the site. Failure to do so can cause disruption to Works.

<u></u> 8	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
		other temporary structures on site shall be located such that they have as little visual impact on local residents as possible.					• _	
		In areas where the visual environment is particularly important (e.g. along commercial/ tourism						
		routes) or privacy concerns for surrounding buildings exist, the site						
		may require screening. This could be in the form of shade cloth, temporary walls, or other suitable materials						
		prior to the beginning of construction.						
¥		Special attention shall be given to the screening of highly reflective materials on site						
14	Lack of sufficient planning	Design will include provisions for						
	to assure long term				,			
	sustainability of the improvements and ensure	as to ensure the long term						
	protection of the assets							
	created and the							
	architectural/archaeological							
2	Design Impacts and Pre-construction Impacts	onstruction Impacts						
	Layout of components to							
2.1	avoid impacts on the aesthetics of the site							
		regulatory requirements.						

SI. No.	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
2.2	Increased storm water runoff from alterations of the site's natural drainage patterns due to landscaping, excavation works, and addition of paved surfaces	Design of proposed components will enable efficient drainage of the sites and maintain natural drainage patterns.						
2.3	Selection of materials and construction technologies, if not carefully chosen, will adversely impact the aesthetic appeal of the destinations	Selection of materials will be from approved sources and construction technologies proposed will strictly conform to the Uttarakhand architecture. Any new landscaping elements will only utilize native species. Material selection would be done keeping in view that no asbestos (except as allowed), and CFC is used.						
7.7	Socio cultural resources- Ground disturbance can uncover and damage archaeological and historical remains	Consult Archaeological Survey of India (ASI) and/or concerned Dept. of Uttarakhand Govt. as applicable to obtain an expert assessment of the archaeological potential of the site; Consider alternatives if the site; found to be of medium or high risk; and 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						

SI.	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
		to ensure they are protected and conserved.						
2.5	Integration of energy efficiency and energy conservation programs in design of sub-project components	The detailed designs for the sub- project components shall ensure that environmental sustainability principles, including energy efficiency, resource recycling, waste minimization, rainwater harvesting etc.						
9.	Site clearance activities, including delineation of construction areas	Any removal of vegetation or tree felling shall be done after taking statutory permissions if required. 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. All areas used for temporary construction operations will be subject to complete restoration to their former condition with appropriate rehabilitation procedures as per the rehabilitation plan prepared by the EE of DSC.						
က	Construction Impacts							

Si.	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
ы Т	Construction Camps - Location, Selection, Design and Layout	Siting of the construction camps shall be as per the guidelines below and details of layout to be approved by DSC. Construction camps shall not be proposed within 500 m from the sensitive receptors, nearest settlements to avoid conflicts and stress over the infrastructure facilities with the local community. Location for stockyards for construction materials shall be identified at least 300 m away from watercourses. Construction camps will be located away from settlements and drainage from and through the camps will not endanger any domestic or public water supply. Construction camps including sanitation facilities must be adequately drained. Sewage management though septic tanks and solid waste management though local ULB system or other alternate measures.						
3.2	Drinking water availability	Sufficient supply of cold potable water to be provided and maintained. The water quality shall be as per standard norms for drinking water. If the drinking water is obtained from an intermittent public water supply		-				

S. S.	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
		then storage tanks will be provided. The cleanliness of the storage tanks will be ensured and all measures to be taken to avoid any water contamination.		in e				
ဗ	Waste disposal	Pre-identified disposal location (identified by Contractor and approved by EE-DSC) 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. The Environmental Specialist of DSC shall approve these disposal sites after conducting a joint inspection on the site with the Contractor. Wherever, possible Solid waste management shall be through local ULB system or other alternate measures. Contractor shall ensure that waste shall not be disposed off near the water course or agricultural land, Orchards and Natural Habitats like Grasslands.						
8.6	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.						

S _o .	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
ස ය	Quarry operations	Contractor shall finalize the quarry for procurement of construction materials after assessment of the availability of sufficient quantity of materials, quality and other logistic arrangements. The Contractor shall obtain materials from approved quarries only after consent of the Department of Mines and Geology and District						
		Adequate safety precautions will be ensured during transportation of quarry material from quarries to the construction site. Vehicles transporting the material will be covered to prevent spillage.						
		The Contractor shall use ground/surface water as a source of water for the construction with the written consent from the concerned Department. To avoid disruption/ disturbance to						
9.0	Arrangement for construction water	T 0 = 1						

S. No.	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
		extracted. 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.						
3.7	Soil/Land Erosion	Slope protection measures will be undertaken as per design to control soil erosion.						
80 100	Water Pollution from Construction Wastes	actor shall take y measures to preve vastewater into stream s or the irrigation systematical Contractor she vehicles in river/stream shall not enter riverb water resource area						- m
හ හ	Water Pollution from Fuel and Lubricants	The Contractor shall ensure that all construction vehicle parking locations, fuel/ lubricants storage sites, vehicle, machinery and equipment maintenance and refueling sites shall be located at least 300 m away from rivers/streams and irrigation canal/ponds if any Contractor shall ensure that all vehicle/machinery and equipment operation, maintenance and			*			

SI. No.	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
1		refueling shall be carried out in such a manner that spillage of fuels and lubricants does not contaminate the ground. Wastewater from vehicle parking, fuel storage areas, workshops, wash down and refueling areas shall be collected and separated through an oil interceptor before discharging it on land or into other treatment system as per specified standards and UEPPCB and ULB norms if any.	id					
3.10	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. All pollution parameters will be monitored as per monitoring plan. Wastewater from vehicle parking, fuel storage areas, workshops, wash down and refueling areas shall be collected and separated through an oil interceptor before discharging it on land or into other treatment system.		100				
3.11	3.11 Generation of dust	The Contractor will take every precaution to reduce the levels of dust at construction site. Regular sprinkling of water and Stockpiles of soil will be kept covered in such a manner to						

SI. No.	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
		minimize dust generation.						
		All vehicles, equipment and						
		shall confirm to the relevant Bureau						
		of India Standard (BIS) norms. The				1		
		discharge standards promulgated						
		under the Environment Protection						
		Act, 1986 shall be strictly adhered to.						
		The use of silent/quiet equipment						
3.12		compliant with India ambient noise						
	Equipment and Macrimery	ards specifi						
		tor manufacturers shall be						
		The Contractor shall maintain a						
		record of PUC for all vehicles and						
	*							
		period which shall be produced for						
		verification whenever required.						
		The Contractor shall confirm that all						
		Construction equipment used in						
		construction shall strictly conform to						
		the MoEF/CPCB noise standards						
	4	and all Vehicles and equipment used						
		in construction shall be fitted with						
3.13	Noise Pollution	exhaust silencers.						
		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.						

S. No.	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
5		Noise limits for construction equipment used in this project will be in conformity to the BIS/SPCB/CPCB						
		standards Regular monitoring of ambient noise						
		levels to ensure compliance to						
		Uttarakhand Environment Protection &Pollution Control Board standards.						
		Workers Employed on mixing						
		cement, lime mortars, concrete etc., will be provided with profective						
	The state of the s	footwear and protective masks and						
		Workers, who are engaged in						
		welding works, will be provided with welder's protective eve-shields.						
		Workers engaged in stone breaking						
		activities will be provided with						
3.14	Material Handling at Site	protective goggles, masks, and clothing				- 5		
		The use of any toxic chemical will be						
		_						
		manufacturer's instructions and						
		applicable regulations. The Engineer						
		will be given at least 5 working days						
		chemical. A register of all toxic						
		chemicals delivered to the site will be						
		kept and maintained up to date by						
2 15	Disposal of Construction	The Contractor shall confirm that						
ი ე	Disposal of Collistinction	- 1						

S. S.	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
	Waste/Debris/Cut Material	Safe disposal of the construction waste will be ensured in the pre- identified disposal locations. In no case, any construction waste will be disposed around the project site indiscriminately.						
3.16	Safety Measures During Construction	Personal Protective Equipment for workers on the project and adequates a fety measures for during handling of materials at site will be takenup. The Contractorhas to comply with all regulations regardings afe scaffolding, ladders, working platforms, gangway, stairwells, excavations, trenches and safety of workers. Precaution will be taken to prevent danger of the workers from fire, etc. First aid treatment will be made available for all injuries likely to be sustained during the course of work. Contractor shall also organize periodic visits by a qualified registered medical practitioner to the site and workers camp. Contact information of Doctor, availability & look of the site and workers camp. Contact information of boctor, availability & look of the site and workers camp.						

SI. No.	Activity	Management/ Mitigation	Parameters Monitored	Location	Responsibility for Mitigation	Monitoring Method	Date of Monitoring	Compliance Status/ Explanation
		displayed in appropriate language both at work site and workers camp. The Contractor will conform to all anti-malaria instructions given to h im by the Engineer. The Contractor will also ensure that the interests of the community are preferably not disturbed, and if unavoidable then disturbed to the minimum. Provide traffic management personnel, barricade, appropriate signage and safety information in and around the construction site and prevent local people entering into the construction site.						
3.17	Camps and Restoration	Contractor to prepare site restoration plans for approval by the Engineer. The plan is to be implemented by the contractor prior to demobilization. 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 and facility owner.	Marie Come					
3.18	3.18 Risk of archaeological	Strictly follow the protocol for chance	- Villians					Y

Annexure 4: Public Consultation on Environmental Issues

During Construction/ Implementation

Place of Consultation	
Date of Consultation	
Project Name	
Package No.	
Name of the Field Supervisors	
Name of the Persons	
Address	

SI. No.	Points Discussed	Remarks
1.		
2.	\$30 KI	RETURNES TRUM
3.	Type of Lawrent Camps	
4.	Eachtroling and married	ulina (AMI)
5.	Called	
6.	O) LACE	+ ×
7.		

Consultation Summary

List of Participants:

Annexure 5: Sample Grievance Registration Form (To be available in Hindi and English or local language, if any)

The **Uttarakhand Emergency Assistance Project (UEAP)** welcomes complaints, suggestions, queries and comments regarding project implementation. We encourage persons with grievance to provide their name and contact information to enable us to get in touch with you for clarification and feedback.

Should you choose to include your personal details but want that information to remain confidential, please inform us by writing/typing *(CONFIDENTIAL)* above your name. Thank you.

Date	Place of regist	ration			
Contact Information/	ersonal Details				
Name		Gender	Male Female	Age	
Home Address					
Village / Town					
District					
Phone No.					
E-mail					
your grievance below	/Comment/Question Please prent/note/letter, please tick here		ls (who, what, w	here and how	N) of
How do you want us	reach you for feedback or up	date on your co	omment/grievanc	e?	

Registered by: (Name	of official	registering	grievance)

If – then mode:

- Note/Letter
- E-mail
- Verbal/Telephonic

Reviewed by: (Names/Positions of Official(s) reviewing grievance)

Action Taken:

Whether Action Taken Disclosed:

FOR OFFICIAL USE ONLY

■ Yes

Means of Disclosure:

GRIVENCES RECORD AND ACTION TAKEN

Sr. No.	Date	Name and Contact No. of Complainer	Type of Complain	Place	Status of Redress	Remarks

परिशिष्ट 5: नमूना शिकायत पंजीकरण फार्म

(हिंदी, उर्दू और अंग्रेजी या स्थानीय भाषा में उपलब्ध हो, यदि कोई हो)

UEAP शिकायतें, सुझाव, प्रश्नों और परियोजना के कार्यान्वयन के बारे में टिप्पणियों का स्वागत करता हैं1 हम लोगों को शिकायत के साथ उनके नाम और संपर्क जानकारी प्रदान करने के लिए प्रोत्साहित करते हैं ताक हम स्पष्टीकरण और प्रतिक्रिया के लिए आपके साथ संपर्क कर सकें1

आपको अपने व्यक्तिगत विवरण शामिल करने चाहिए लेकिन उस जानकारी को गोपनीय रखा जायगा 1 आपका नाम ऊपर (गोपनीय) * लेखन / टाइपिंग द्वारा हमें सूचित करें धन्यवाद

तारीख	पंजीकरण का	पंजीकरण का स्थान			
संपर्क करने संबंधी जानकारी/र्व्या	क्तगत विवरण				
नाम	लिंग	पुरुष महिला	आयु		
घर का पता					
गांव / शहर					
जनपद					
फोन					
ईमेल		0.00			
शिकायत / सुझाव / टिप्पणी / प्रश्न सलगनक / नोट / पत्र के रूप में,			ो, क्या, कहां और वै	न्से) प्रदानकरें:	
हम आप तक प्रतिक्रिया के लिए	कैसे पहुँच संकते	हैं या अपनी टिप्पण	ी / शिकायत पर न	वीनीकरण?	

केवल कार्यालयउपयोगकेलिए

कवल कायालयउपयाग	गालए						
द्वारा पंजीकृत:(सरकारी	ो पंजीकर	ण शिकायतका ना	म)				
यदि-फिर विधि:							
🗯 नोट/पत्र							
🗯 ईमेल							
≢ मौखिक/टेली	फोन						
से समीक्षित:(नाम/ ऑ	धेकारी की	पोजिशन समीक्ष	ा शिकायत)				
की गई कार्रवाई:							
की गई कार्रवाई काखुलासा:				坤 हां 坤 नहीं			
प्रकटीकरण का मतलब	:						
शिकायत रिकॉर्ड और की गई कार्रवाई क्रम संख्या	तारीख	नामऔर complainer का संपर्क नंबर	शिकायत के प्रकार	जगह	निवारण की स्थिति	टिप्पणियाँ	