



Environmental Monitoring Report

Project Number: 40648-034
August 2016

Period: January 2016 – June 2016

IND: Infrastructure Development Investment Program for Tourism - Tranche 3

Submitted by

Project Management Unit, Punjab Heritage and Tourism Board, Chandigarh

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No. PHTPB/IDIPT/2016 /31/2138-42

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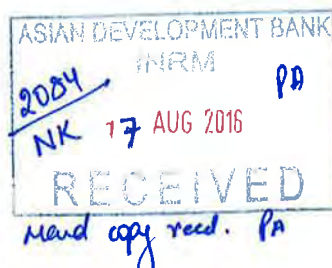
**Subject : Loan 3223 IND: Infrastructure Development Investment Program
For Tourism – Biannual Environment Monitoring Progress Report
For tranche - 3 (For Biannual: Ending Jan – June 2016)**

As per the comments/ suggestions received from ADB, Safeguard Specialist. The Environment Monitoring Progress Report for Tranche 3 (Loan 3223-IND) for biannual ending June 2016 has been modified and enclosed for submission to ADB.


Additional Project Director

CC:

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**INFRASTRUCTURE DEVELOPMENT INVESTMENT
PROGRAM FOR TOURISM (IDIPT)**

**Biannual Environment Monitoring
Progress Report – Tranche - 3**

Bi-annual ending June – 2016



**GOVERNMENT OF PUNJAB
Department of Tourism**

Jan- Jun 2016

PROJECT MANAGEMENT UNIT

PUNJAB HERITAGE and TOURISM PROMOTION BOARD
Plot No.3, Sector38A, Chandigarh – 160 036

**Department of Tourism
GOVERNMENT OF PUNJAB**



**INFRASTRUCTURE DEVELOPMENT
INVESTMENT PROGRAM FOR TOURISM (IDIPT)
ADB Loan No. 3223-IND**

**BIANNUAL ENVIRONMENT MONITORING PROGRESS REPORT –
Tranche - 3**

**For
Bi-Annual Ending June – 2016**

Project Management Unit
INFRASTRUCTURE DEVELOPMENT INVESTMENT PROGRAMME FOR TOURISM
PUNJAB HERITAGE and TOURISM PROMOTION BOARD
Plot No.3, Sector38A, Chandigarh – 160 036

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1. INTRODUCTION

Infrastructure Development Investment Program for Tourism (IDIPT) has been proposed with a view to develop and improve basic urban infrastructure and services in the four participating states of Himachal Pradesh, Punjab, Uttarakhand and Tamil Nadu to support the tourism sector as a key driver of economic growth. It will focus on:

- (i) Strengthening connectivity to and among key tourist destinations;
- (ii) Improving basic urban infrastructure and services, such as water supply, road and public transport, solid waste management and environmental improvement, at existing and emerging tourist destinations to ensure urban amenities and safety for the visitors, and protect nature and culture-based attractions.
- (iii) Physical infrastructure investments will be accompanied by capacity building programs for concerned sector agencies and local communities for better management of the tourist destinations and for more active participation in the tourism related economic activities, respectively

2. NEED FOR INITIAL ENVIRONMENTAL EXAMINATION (IEE)

As per the ADB's Safeguard Policy Statement (2009), the sub-projects in the Tranche – 3 are classified under category “B” since there are no significant impacts that are envisioned due to the implementation of these sub projects. Being category “B” projects, Initial Environmental Examination (IEE's) has been prepared for all sub projects. The IEE is based on a careful review of subproject SAR, site plans and reports; field visits and secondary data to characterize the environment and in order to identify potential impacts; the interviews and meaningful consultations with primary and secondary stakeholders are also part of the IEE. The IEE's are included with project specific Environmental Management Plan (EMP's) with Environmental Monitoring Program.

3. PURPOSE OF ENVIRONMENTAL MONITORING PROGRAM

The main purpose of Environmental Monitoring Program (EMP) is to ensure the effective implementation of the recommended mitigation/ management measures (as indicated in the EMP) and to comply with the conditions of the environmental legislations, rules and regulations of India. It will be essential to develop an environmental management mechanism and procedures in the form of Environmental Monitoring Program.

4. OBJECTIVES OF CARRYING OUT ENVIRONMENTAL MONITORING PROGRAM

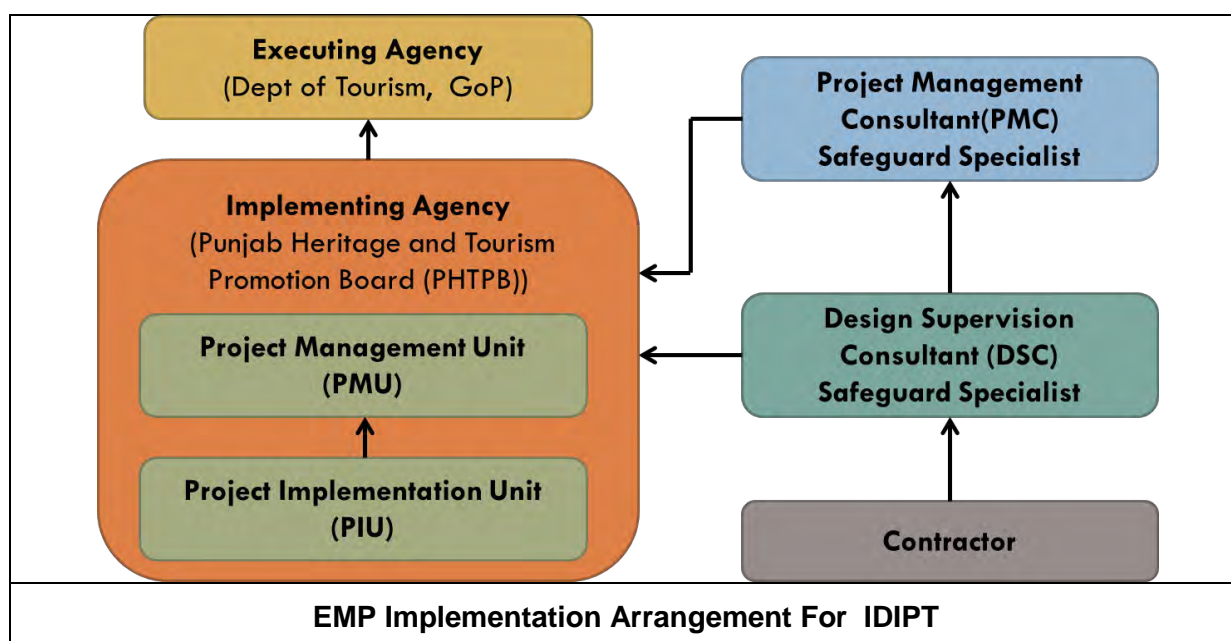
The objectives of carrying out the Environmental Monitoring Program include the following:

- To provide a database against which short or long term environmental impacts of the sub projects can be determined;
- To provide an early indication, environmental control measures or practices should not fail to achieve the acceptable standards;
- To monitor the performance of the sub projects and the effectiveness of mitigation measures;
- To verify the environmental impacts predicted during the IEE studies;
- To determine compliance with regulatory requirements, standards and government policies;
- To take remedial action if unexpected problems or unacceptable impacts arise

5. EMP IMPLEMENTATION ARRANGEMENT FOR IDIPT, PUNJAB

The following agencies will be responsible for EMP implementation:

- Department of Tourism, Government of Punjab (GoP) is the executing agency responsible for overall management, coordination, and execution of all activities funded under the loan. Punjab Heritage and Tourism Promotion Board (PHTPB) is the implementing agency responsible for coordination procurement and construction of the project.
- Project Management Unit (PMU) is set up in Chandigarh to coordinate the overall execution.
- Project Management Consultant (PMC) in Chandigarh provides assistance to PMU in execution as well as in procurement and ensures technical quality of design and construction.
- Project Implementation Unit's (PIUs) are established in Amritsar and Rupnagar. This PIU's will look into the progress and coordination of day to day construction works with the assistance from respective DSC teams.
- Design Supervision Consultants (DSC), will prepare the detailed project report (DPR) of the subprojects and will carry out construction supervision during project implementation. Their responsibility will also include updating the IEE based on detailed design and EMP implementation supervision;
- The Contractor will be responsible for execution of all construction works. The contractor will work under the guidance of the PIUs and DSCs in Amritsar and Rupnagar. The EMP mitigation measures relevant to construction phase will also be implemented by the contractor.



6. CONSTRUCTION ACTIVITIES, PROJECT PROGRESS AND ENVIRONMENTAL MONITORING STATUS

The site specific construction activities, project progress and environmental monitoring program status for each of the sub projects has been detailed in the following sections

I. PACKAGE 3-12/02 - IMPERIAL HIGHWAY HERITAGE CONSERVATION AND VISITOR FACILITY DEVELOPMENT

a. Implementation status:

S. No.	Sub Project Component/ Packages	Details of work under Package	Commencement of Civil Works	Expected date of Completion	Physical Progress till date	Type of Work presently Conducted	Remarks
1	Package 3-12/02						
	Lot-1: Conservation of AamKhasBagh in Fatehgarh Sahib, Patiala	<ul style="list-style-type: none"> • Vegetation clearance • Consolidation and reconstruction of missing brick masonry • Stitching of structural cracks/filling • Consolidation of lime concrete flooring and demolition of ips flooring • Removal dismantling of modular brick in fill • Landscaping and site development • Cleaning the exposed surface. • Plastering the masonry surface with lime plaster. • Repairing the terracing (gateways), sloping chajjas (bastions), brick brackets (bastions and enclosure walls) • Provision of boundary wall on the eastern, western, and southern edge of the garden complex. • Provision of the entrance gate and guard rooms for security purpose. • Adaptive reuse of structure and provision of interpretation center and craft centre at 	25 July 2015	24 Jan 2017	8.0%	<ul style="list-style-type: none"> • Clearing and grubbing of the project site • Lime Plaster and roof work 	Though the project has been awarded in July 2015, the actual Work has started in the month of February 2016.

		<p>Maulsari</p> <ul style="list-style-type: none"> • Provision of tourist reception centre at Maulsari. • Reconstruction of original brick work. 					
	<p>Lot-2: Conservation of Tombs and Rauza Sharif in Fatehgarh Sahib</p>	<ul style="list-style-type: none"> • Conservation and Restoration of six heritage buildings including interior decorative ceilings. • Construction of toilet complexes and baths at Dargah complex • Paving of walkway towards guest rooms & site development works. • Provision of internal signage (having uniformity in design) for the Dargah complex 	30 Oct 2015	29 Apr 2017	15.0%	<ul style="list-style-type: none"> • Clearing and grubbing of the project site • Debris disposal 	Though the project has been awarded in October 2015, the actual Work has started in the month of April 2016.

b. Compliance status with Government Environmental Regulations (as indicated in the IEE):

Package No	Subproject Component/Packages	Clearance/ Approval required	Current Status
Package 3-12/02	Lot-1: Conservation of AamKhasBagh in Fatehgarh Sahib, Patiala	Disposal plan for extraneous material is needed.	Disposal of earth is being done as per plan.
	Lot-2: Conservation of Tombs and Rauza Sharif in Fatehgarh Sahib		
	Other Environmental Regulations		
		Tree cutting permissions	Tree cutting is not envisaged and hence tree cutting permission is not required
		Sourcing of construction materials (quarry and borrow materials)	The quantity of the construction materials required for this sub project is very less and it has been sourced from local authorized (licensed) vendors.
		The EIA notification, 2006 (and its subsequent amendments)	Not applicable (not in the list of projects, which requires Environmental Clearance)
	Water (Prevention and control of pollution) Act, 1974 and Air (prevention and control of	Not applicable, since there is no requirement for setting up of hot mix plants, wet mix plants, stone crushers and diesel generators.	

Package No	Subproject Component/Packages	Clearance/ Approval required	Current Status
		pollution) Act, 1981	
		The Wildlife Conservation Act, 1972, amended in 2003 and 2006	Not applicable, as there are no ecological sensitive areas located within or in the surroundings of the subproject site
		The Forest Conservation Act, 1980 and its subsequent amendments	Not applicable, as there are no forest areas located within or in the surroundings/ vicinity of the subproject site
		The Ancient Monuments and Archaeological Sites and Remains Act, 1958, and the rules, 1959	This act is applicable for Lot – 1 for performing conservation work in AamKhasBagh. As per the Act anNoC/ clearance has been obtained from State Archeological Department (refer Annexure -1)

c. Compliance status with Loan Covenant:

S No	Environmental Safeguard related Loan Covenants	Compliance Status
Package 3-12/02: Imperial Highway Heritage Conservation and Visitor Facility Development. Lot-1: Conservation of AamKhasBagh in Fatehgarh Sahib Lot-2: Conservation of Tombs and Rauza Sharif in Fatehgarh Sahib	<p>The Project is undertaken, and the Project facilities are designed, constructed, implemented, operated, and maintained, in accordance with the Borrower's applicable laws and regulations; ADB's Safeguard Policy Statement (2009) and the EARF;</p> <p>The IEEs and EMPs are implemented in accordance with their terms ;</p> <p>In the event that any unanticipated adverse environmental impact occurs or a mitigation measure under an IEE or EMP does not have the desired effect, this is reported to ADB, and remedial actions are taken to mitigate the relevant impacts in consultation with the affected persons and ADB;</p> <p>Any changes to the location, land alignment, or</p>	<p>All ADB safeguards are being followed.</p> <p>IEE and EMP are being implemented in accordance with the terms of ADB.</p> <p>No unanticipated adverse environmental impact has occurred.</p> <p>All the changes are</p>

S No	Environmental Safeguard related Loan Covenants	Compliance Status
	<p>environmental impacts on account of detailed designs of the Project facilities are mutually agreed between the Borrower and ADB, and are consistent with the eligibility criteria set forth in Schedule 4 to the FFA;</p> <p>The IEEs and EMPs are updated, as necessary, during the course of Project implementation, and submitted to ADB for clearance;</p> <p>The Works contractors are contractually obliged to implement the IEEs and the EMPs, and report on their implementation on a regular basis, along with any deviation; and</p> <p>Reports on the implementation of the IEEs and the EMPs are submitted to ADB on a biannual basis.</p>	<p>consistent with the eligibility criteria set forth in Schedule 4 to the FFA.</p> <p>The IEE and EMP will be changed as necessary.</p> <p>Environmental monitoring has not been conducted for this subproject for the biannual period (Jan to June, 2016) due to the delay for initiating the work. However, Regular environmental monitoring shall be performed for the biannual period (July to December, 2016) and the report will be submitted to ADB.</p>

d. Compliance status with Subproject Selection Criteria:

S No	Subproject Selection Criteria	Lot-1 Conservation of AamKhasBagh in Fatehgarh Sahib	Lot – 2.Conservation of Tombs and Rauza Sharif in Fatehgarh Sahib
1	Site Description	The project is within the area available in AamKhasBagh in Fatehgarh Sahib.	The project is within the area available in Rauza Sharif in Fatehgarh Sahib.
2	Description of proposed improvements	<p>Conservation of</p> <ul style="list-style-type: none"> • Vegetation clearance • Consolidation and reconstruction of missing brick masonry • Consolidation of lime concrete flooring • Landscaping and site development • Plastering the masonry surface with lime plaster. • Repairing the terracing, sloping chajjas and brick brackets • Provision of boundary 	<p>Conservation of Tombs and Rauza Sharif in Fatehgarh Sahib</p> <ul style="list-style-type: none"> • Conservation and Restoration of six heritage buildings • Construction of toilet complexes • Paving of walkway • Provision of internal signage

S No	Subproject Selection Criteria	Lot-1 Conservation of AamKhasBagh in Fatehgarh Sahib	Lot – 2.Conservation of Tombs and Rauza Sharif in Fatehgarh Sahib
		wall. <ul style="list-style-type: none"> • Provision of the entrance gate and guard rooms for security purpose. • Adaptive reuse of structure and provision of interpretation center and craft centre • Provision of tourist reception centre. • Reconstruction of original brick work. 	
3	Design Criteria	Careful selection of material, the result of interventions is unobtrusive and will be integral part of the overall ambience.	Careful selection of material, the result of interventions is unobtrusive and will be integral part of the overall ambience.

e. Compliance status with EMMP as per IEE/EMP:

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
1.Efficient drainage of site	Work being carried out as per plan	Satisfactory	Continuous monitoring is required
2. Exposed steel and concrete structures to be avoided.	Designs proposed are in accordance with architectural character of place.	Satisfactory	Exposed steel and concrete shall be barricaded and covered.
3. Construction work area to be demarcated on ground	Work being carried out as per plan	Satisfactory	Construction work area is barricaded and separated from labour settlements.
4. Consideration to be given for material storage at construction sites.	Adequate space allotted for material storage	Satisfactory	Materials are being properly stacked, covered and stored.
5. Safe disposal of extraneous wastes to be ensured in the pre-identified disposal locations.	Work being carried out as per plan	Satisfactory	Contractors have been directed to ensure proper disposal of waste at site.
6. Excavated earth to be reused in the ongoing project site.	Excavated earth is being covered and stored properly.	Satisfactory	To the extent the excavated earth shall be reused
7. The contractor to take precaution to reduce the level of dust at construction sites.	Sprinkling of water is being done at regular intervals. Construction material is	Satisfactory	All construction material to be covered properly from all the sides.

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
	covered.		
8. The waste generated will be reused in construction activities, either as a fill material or based on its suitability of reuse to maximum extent.	Work being carried out as per plan	Satisfactory	Continuous monitoring is required
9. All workers employed on mixing asphaltic material, cement, lime mortars, concrete etc., will be provided with protective footwear and protective goggles.	All workers have been provided with PPEs.	Satisfactory (Photographs are attached as Annexure -2).	Continuous monitoring is being carried out to ensure all the workers are using PPE's
10. The Contractor will, at his own expense, conform to all anti-malaria instructions given to him by the Engineer	Work being carried out as per plan	Satisfactory	Continuous monitoring is required

f. Environmental Quality Monitoring

Noise (Analysis results enclosed in the Annexure)

Location	Value	Standards
In the vicinity of the construction site, at the location advised by the Environment Specialist of the DSC	The observed value of 46.5 dB (A) is found to be less than the prescribed limits in comparison with the CPCB Noise Quality Standard for commercial area/ zone . Noise level monitoring analysis report is attached as Annexure 3.	CPCB noise standard for commercial area is 65 dB (A) for day time and 55 dB (A) for night time.

Ambient Air Monitoring (Analysis results enclosed in the Annexure)

AAQ was not performed for this biannual (January to June 2016) period. The contractor has been advised to conduct regular environmental monitoring. The AAQ shall be updated in the next biannual QEMR-T3.

Location	Parameter	Value	Standard
-	-	-	-

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
	Package 3-12/02: Imperial Highway Heritage Conservation and Visitor Facility Development	None	NA	NA	No Grievances have been recorded so far.

II. PACKAGE 4/3: ECO-TOURISM DEVELOPMENT AT ROPAR AND HARIKE WETLANDS (CIVIL WORKS)

a. Implementation status

S No	Sub Project Component/ Packages	Details of work under Package	Commencement of Civil Works	Expected date of Completion	Physical Progress till date	Type of Work presently Conducted	Remarks
1.	Package 4/3: Eco-tourism Development at Ropar and Harike Wetlands (Civil Works)	<p><u>At Harike Wetland</u></p> <ul style="list-style-type: none"> • Provision of nature trail of about 6.5 km • Provision of a short trail of about 600 m ending at notch point. • Provision for vehicle parking and reception complex • Provision of public amenities • Provision of internal sign/ information boards of uniform design • Upgrading the old building at Churian check post to an interpretation center. • Provision of boating facilities • Landscaping outside core protected area <p><u>At Ropar Wetland</u></p> <ul style="list-style-type: none"> • Provision of bird watch towers and bird hides • Provision of nature trail of about 800 m • Provision of public amenities • Upgrade of existing interpretation center • Provision of sign/ information boards 	19 Aug 2015	18 Feb 2017	20.0%	<ul style="list-style-type: none"> • Construction of bird watch towers • Construction of approach/ internal roads 	Though the project has been awarded in August 2015. The physical progress of the work till December 2015 was only 2%. No major construction activities have been carried out and hence environmental compliances are not recorded.

		<p>of uniform design</p> <p><u>Provision of parking facilities</u></p> <p><u>Ropar Wetland Connectivity</u></p> <ul style="list-style-type: none"> Strengthening is proposed at 0/00 km to 0/945 km (0.945 km) and 6/115 km to 16/245 (10.13 km) Widening and strengthening is proposed at 0/945km to 6/115 km (5.17km) 					
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b. Compliance status with Government Environmental Regulations (as indicated in the IEE):

Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
Package 4/3: Eco-tourism Development at Ropar and Harike Wetlands (Civil Works)	Eco-tourism Development at Ropar and Harike Wetlands (Civil Works)	Disposal plan for extraneous material is needed	Disposal of extraneous material being done as per plan
	Other Environmental Regulations		
		Tree cutting permissions	Tree cutting is not envisaged and hence tree cutting permission is not required
		Sourcing of construction materials (quarry and borrow materials)	The quantity of the construction materials required for this sub project is very less and it has been sourced from local authorized (licensed) vendors.
		The EIA notification, 2006 (and its subsequent amendments)	Not applicable (not in the list of projects, which requires Environmental Clearance)
		Water (Prevention and control of pollution) Act, 1974 and Air (prevention and control of pollution) Act, 1981	Not applicable, since there are no requirement for setting up of hot mix plants, wet mix plants, stone crushers and diesel generators.
		The Wildlife Conservation Act, 1972, amended in 2003 and 2006	As per section 28 (Grant of permit) of Wildlife Protection Act 1972, permission/ NoC from the Chief Wildlife warden has been obtained (Refer Annexure4)

Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
		The Forest Conservation Act, 1980 and its subsequent amendments	Not applicable, as there are no forest areas located within or in the surroundings of the project site
		The Ancient Monuments and Archaeological Sites and Remains Act, 1958, and the rules, 1959	Not applicable, as there are no monuments located within or in the vicinity of the subproject site.
		Wetland Rules, 2010	The proposed subproject interventions are as per the approved Comprehensive Management Action Plan (2013-18) for Conservation of Ropar and Harike Wetlands. However, as per the section 4(2) (restrictions on activities within Wetlands) of the wetland rules, 2010, this subproject mandates clearance from Chief Wildlife Warden of Punjab and accordingly the same has been obtained (Refer Annexure 4)

c. Compliance status with Loan Covenant:

Package	Environmental Safeguard related Loan Covenants	Compliance Status
Package 4/3: Eco-tourism Development at Ropar and Harike Wetlands (Civil Works)	<p>The Project is undertaken, and the Project facilities are designed, constructed, implemented, operated, and maintained, in accordance with the Borrower's applicable laws and regulations; ADB's Safeguard Policy Statement (2009) and the EARF;</p> <p>The IEEs and EMPs are implemented in accordance with their terms ;</p> <p>In the event that any unanticipated adverse environmental impact occurs or a mitigation measure under an IEE or EMP does not have the desired effect, this is reported to ADB, and remedial actions are taken to mitigate the relevant impacts in</p>	<p>All ADB safeguards are being followed.</p> <p>IEE and EMP are being implemented in accordance with the terms of ADB.</p> <p>No unanticipated adverse environmental impact has occurred</p>

Package	Environmental Safeguard related Loan Covenants	Compliance Status
	<p>consultation with the affected persons and ADB;</p> <p>Any changes to the location, land alignment, or environmental impacts on account of detailed designs of the Project facilities are mutually agreed between the Borrower and ADB, and are consistent with the eligibility criteria set forth in Schedule 4 to the FFA;</p> <p>The IEEs and EMPs are updated, as necessary, during the course of Project implementation, and submitted to ADB for clearance;</p> <p>The Works contractors are contractually obliged to implement the IEEs and the EMPs, and report on their implementation on a regular basis, along with any deviation; and</p> <p>Reports on the implementation of the IEEs and the EMPs are submitted to ADB on a biannual basis.</p>	<p>All the changes are consistent with the eligibility criteria set forth in Schedule 4 to the FFA.</p> <p>The IEE and EMP will be changed as necessary.</p> <p>Regular environmental monitoring is being performed and the report will be submitted to ADB on bi-annual basis.</p>

d. Compliance status with Subproject Selection Criteria:

S. No.	Subproject Criteria	Selection	Package 4/3: Eco-tourism Development at Ropar and Harike Wetlands (Civil Works)
1.	Site Description		The sub project is within the area available in Harike Wetland, Ropar.
2.	Description of proposed improvements		<p><u>At Harike Wetland</u></p> <ul style="list-style-type: none"> • Provision of nature trail of about 6.5 km • Provision of a short trail of about 600 m ending at notch point. • Provision for vehicle parking and reception complex • Provision of public amenities • Provision of internal sign/ information boards of uniform design • Upgrading the old building at Churian check post to an interpretation center. • Provision of boating facilities • Landscaping outside core protected area <p><u>At Ropar Wetland</u></p> <ul style="list-style-type: none"> • Provision of bird watch towers and bird hides • Provision of nature trail of about 800 m • Provision of public amenities • Upgrade of existing interpretation center • Provision of sign/ information boards of uniform design

S. No.	Subproject Criteria	Selection	Package 4/3: Eco-tourism Development at Ropar and Harike Wetlands (Civil Works)
			<u>Provision of parking facilities Ropar Wetland Connectivity</u> <ul style="list-style-type: none"> Strengthening is proposed at 0/00 km to 0/945 km (0.945 km) and 6/115 km to 16/245 (10.13 km) Widening and strengthening is proposed at 0/945km to 6/115 km (5.17km)
3.	Design Criteria		Careful selection of material, the result of interventions is unobtrusive and will be integral part of the overall ambience.

e. Compliance status with EMMP as per IEE/EMP for separate Packages:

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
1. Efficient drainage of site	Yes	Satisfactory	Continuous monitoring is required.
2. Exposed steel and concrete structures to be avoided.	Designs proposed are in accordance to architectural character of place.	Satisfactory	Exposed steel and concrete are barricaded to avoid any safety hazard.
3. Construction work area to be demarcated on ground	Work being carried out as per plan	Satisfactory	Construction work area is being barricaded and separated from tourists.
4. Consideration to be given for material storage at construction sites.	Adequate space allotted for material storage	Satisfactory	Material is being properly stacked, covered and stored.
5. Safe disposal of extraneous wastes to be ensured in the pre-identified disposal locations.	Work being carried out as per plan	Satisfactory	All waste material at sites will be properly disposed.
6. The contractor to take precaution to reduce the level of dust at construction sites.	Sprinkling of water is being done at regular intervals. Construction material is covered.	Satisfactory	All construction material to be covered properly from all the sides.
7. The waste generated will be reused in construction activities, either as a fill material or based on its suitability of reuse to maximum extent.	Work being carried out as per plan	Satisfactory	Continuous monitoring is required
8. All workers employed on mixing asphaltic material, cement, lime mortars,	All workers have been provided with PPEs.	Satisfactory (Photographs are attached as Annexure -	All workers are being provided with PPEs to avoid any safety and health hazards.

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
concrete etc., will be provided with protective footwear and protective goggles.		2).	
9.The Contractor will, at his own expense, conform to all anti-malaria instructions given to him by the Engineer	Work being carried out as per plan	Satisfactory	Contractors have been instructed to implement all measures to avoid mosquito breeding in the labour camps.

f. Environmental Quality Monitoring

Noise (Analysis results enclosed in the Annexure)

Location	Value	Standards
In the vicinity of the construction site, at the location advised by the Environment Specialist of the DSC	The observed value of 48.0 dB (A) is found to be less than the prescribed limits in comparison with the CPCB Noise Quality Standard for Silent zone . Noise level monitoring analysis report is attached as Annexure -5.	CPCB noise standard for silent zone is 50 dB (A) for day time and 40 dB (A) for night time.

Ambient Air Monitoring (Analysis results enclosed in the Annexure)

Location	Parameter	Value	Standard
In the vicinity of the construction site, at the location advised by the Environment Specialist of the DSC	SPM, $\mu\text{g}/\text{m}^3$	83.5	100.0
	Oxides of Sulphur, $\mu\text{g}/\text{m}^3$	2.6	80.0
	Oxides of Nitrogen, $\mu\text{g}/\text{m}^3$	0.014	80.0
	Carbon monoxide, $\mu\text{g}/\text{m}^3$	Not detected	2.0
	The observed AAQ values are within the regulatory standards indicating the construction activities does not have any impact on the existing air quality. Ambient air monitoring report is attached as Annexure - 5.		

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
	Package 4/3: Eco-tourism Development at Ropar and Harike Wetlands (Civil Works)	None	NA	NA	No Grievances have been recorded so far.

III. PACKAGE 5/4: ECO-TOURISM DEVELOPMENT OF WILDLIFE ZOO

a. Implementation status

S. No.	Sub Project Component/ Packages	Details of work under Package	Commence ment of Civil Works	Expected date of Completion	Physical Progress till date	Type of Work presently Conducted	Remarks
1.	Package 5/4: Eco-tourism Development of Wildlife Zoo	<ul style="list-style-type: none"> • Construction of Thematic Zoo Entrance including Lake Landscaping • Construction of modern Interpretation centre • Creation of Zoological Education Park • Creation/Up-gradation of visitors convenience, shelters and rest areas inside Zoological park • Upgradation of primary and secondary travel paths to various zoo attraction • Construction of Tourist Facilities centre at the zoo main entrance gate • Strengthening of zoo waste disposal system including relaying of the sewer network of the zoo, installation of Sewerage Treatment Plant (STP) • Capacity building for tourism development and management 	19 Aug 2015	18 Feb 2017	12.0%	<ul style="list-style-type: none"> • Clearing and grubbing of wild vegetation • Dismantling the old interpretation center 	Though the project has been awarded in August 2015, the physical progress till December 2015 was only 3%. The actual Work has started in the first quarter (February, 2016).

b. Compliance status with Government Environmental Regulations (as indicated in the IEE):

Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
Package 5/4	Eco-tourism Development of Wildlife Zoo	Disposal plan for extraneous material is needed.	Disposal of earth being done as per plan.
Other Environmental Regulations			
		Tree cutting permissions	Tree cutting is not envisaged and hence tree cutting permission is not required.
		Sourcing of construction materials (quarry and borrow materials)	The quantity of the construction materials required for this sub project is very less and it has been sourced from local authorized (licensed) vendors.
		The EIA notification, 2006 (and its subsequent amendments)	Not applicable (not in the list of projects, which requires Environmental Clearance)
		Water (Prevention and control of pollution) Act, 1974 and Air (prevention and control of pollution) Act, 1981	Not applicable, since there are no requirement for setting up of hot mix plants, wet mix plants, stone crushers and diesel generators.
		The Wildlife Conservation Act, 1972, amended in 2003 and 2006	As per section 28 (Grant of permit) of Wildlife Protection Act 1972, permission/ NoC from the Chief Wildlife warden has been obtained (Refer Annexure 6)
		The Forest Conservation Act, 1980 and its subsequent amendments	Not applicable, as there are no forest areas located within or in the surroundings of the project site
		The Ancient Monuments and Archaeological Sites and Remains Act, 1958, and the rules, 1959	Not applicable, as there are no monuments located within or in the vicinity of the subproject site.

c. Compliance status with Loan Covenant:

S. No.	Environmental Safeguard related Loan Covenants	Compliance Status
Package 5/4:	The Project is undertaken, and the Project facilities are	All ADB safeguards are

S. No.	Environmental Safeguard related Loan Covenants	Compliance Status
Eco-tourism Development of Wildlife Zoo	<p>designed, constructed, implemented, operated, and maintained, in accordance with the Borrower's applicable laws and regulations; ADB's Safeguard Policy Statement (2009) and the EARF;</p> <p>The IEEs and EMPs are implemented in accordance with their terms ;</p> <p>In the event that any unanticipated adverse environmental impact occurs or a mitigation measure under an IEE or EMP does not have the desired effect, this is reported to ADB, and remedial actions are taken to mitigate the relevant impacts in consultation with the affected persons and ADB;</p> <p>Any changes to the location, land alignment, or environmental impacts on account of detailed designs of the Project facilities are mutually agreed between the Borrower and ADB, and are consistent with the eligibility criteria set forth in Schedule 4 to the FFA;</p> <p>The IEEs and EMPs are updated, as necessary, during the course of Project implementation, and submitted to ADB for clearance;</p> <p>The Works contractors are contractually obliged to implement the IEEs and the EMPs, and report on their implementation on a regular basis, along with any deviation; and</p> <p>Reports on the implementation of the IEEs and the EMPs are submitted to ADB on a quarterly basis.</p>	<p>being followed.</p> <p>IEE and EMP are being implemented in accordance with the terms of ADB.</p> <p>No unanticipated adverse environmental impact has occurred</p> <p>All the changes are consistent with the eligibility criteria set forth in Schedule 4 to the FFA.</p> <p>The IEE and EMP will be changed as necessary.</p> <p>Regular environmental monitoring is being performed and thereport will be submitted to ADB on bi-annual basis.</p>

d. Compliance status with Subproject Selection Criteria:

S. No.	Subproject Selection Criteria	Package 5/4: Eco-tourism Development of Wildlife Zoo
1.	Site Description	The sub project is within the area available in Mahindra Chaudhary Zoological Park, Chhatbir.
2.	Description of proposed improvements	<ul style="list-style-type: none"> • Construction of Thematic Zoo Entrance including Lake Landscaping • Construction of modern Interpretation centre • Creation of Zoological Education Park • Creation/Up-gradation of visitors convenience, shelters and rest areas inside Zoological park • Upgradation of primary and secondary travel paths to various zoo attraction • Construction of Tourist Facilities centre at the zoo main entrance gate • Strengthening of zoo waste disposal system including relaying of the sewer network of the zoo, installation of Sewerage Treatment Plant (STP) • Capacity building for tourism development and management
3.	Design Criteria	Steps to minimize the Environmental impacts due to proposed interventions within the zoological park premises.

e. Compliance status with EMMP as per IEE/EMP:

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
1. Efficient drainage of site	Work being carried out as per plan	Satisfactory	Continuous monitoring is required.
2. Exposed steel and concrete structures to be avoided.	Designs proposed are in accordance to architectural character of place.	Satisfactory	Exposed steel and concrete are barricaded to avoid any safety hazard.
3. Construction work area to be demarcated on ground	Work being carried out as per plan	Satisfactory	Construction work area is being barricaded and separated from labour camps.
4. Consideration to be given for material storage at construction sites.	Adequate space allotted for material storage	Satisfactory	All reusable construction material like bricks, boulders to be stacked and covered. All loose material will be covered from all the sides.
5. Safe disposal of extraneous wastes to be ensured in the pre-identified disposal locations.	Work being carried out as per plan	Satisfactory	All waste material at sites is being properly disposed.
6. The contractor to take precaution to reduce the level of dust at construction sites.	Work being carried out as per plan	Satisfactory	Sprinkling of water and covering of loose construction material is being taken up.
7. The waste generated	Work being carried	Satisfactory	Continuous monitoring is

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
will be reused in construction activities, either as a fill material or based on its suitability of reuse to maximum extent.	out as per plan		required. .
8. All workers employed on mixing asphaltic material, cement, lime mortars, concrete etc., will be provided with protective footwear and protective goggles.	Work being carried out as per plan	Satisfactory (Photographs are attached as Annexure -2).	Continuous monitoring will be done to ensure all the workers are using PPE's.
9.The Contractor will, at his own expense, conform to all anti-malaria instructions given to him by the Engineer	Work being carried out as per plan	Satisfactory	Contractor has been instructed to implement all measures to avoid any mosquito breeding in the labour camps.

f. Environmental Quality Monitoring

Noise (Analysis results are enclosed in the Annexure)

Location	Value	Standards
In the vicinity of the construction site, at the location advised by the Environment Specialist of the DSC	The observed value of 40.0 dB (A) is found to be less than the prescribed limits in comparison with the CPCB Noise Quality Standard for commercial area/ zone . Noise level monitoring analysis report is attached as Annexure - 7.	CPCB noise standard for commercial area is 65 dB(A) for day time and 55 dB (A) for night time.

Ambient Air Monitoring (Analysis results are enclosed in the Annexure)

Location	Parameter	Value	Standard
In the vicinity of the construction site, at the location advised by the Environment Specialist of the DSC	SPM, $\mu\text{g}/\text{m}^3$	82.6	100.0
	Oxides of Sulphur, $\mu\text{g}/\text{m}^3$	1.2	80.0
	Oxides of Nitrogen, $\mu\text{g}/\text{m}^3$	0.04	80.0
	Carbon monoxide, $\mu\text{g}/\text{m}^3$	Not detected	2.0
	The observed AAQ values are within the regulatory standards indicating the construction activities does not have any impact on the existing air quality. Ambient air monitoring report is attached as Annexure - 7.		

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
1.	Package 5/4: Eco-tourism Development of Wildlife Zoo	None	NA	NA	No Grievances have been recorded so far.

IV. PACKAGE 6/5: PATIALA HERITAGE CONSERVATION AND TOURISM DEVELOPMENT PROJECT (QILA MUBARAK)

a. Implementation status

S. No.	Sub Project Component/ Packages	Details of work under Package	Commencement of Civil Works	Expected date of Completion	Physical Progress till date	Type of Work presently Conducted	Remarks
1.	Package 6/5: Conservation of Main Gate of Qila Androon, and Art Conservation works with Adaptive Reuse, Landscaping and utility works at Qila Mubarak.	<ul style="list-style-type: none"> • Conservation and restoration of buildings at Qila Mubarak. • Conservation works to be done to architectural and decorative details. • Adaptive reuse of area between Qila Androon and outer wall for museum. • Landscaping and Site Development: <ul style="list-style-type: none"> ○ Landscaping and site development of the inner areas of Qila Mubarak ○ Provision of adequate lighting and internal signages. ○ Provision of visitor facilities and services. • Rerouting the electric cables currently running across the fort • Capacity building for tourism development and management. 	16 Sept 2015	15 Mar 2017	11.56 %	<ul style="list-style-type: none"> • Roofing • Plaster • Brickwork • Wood work 	Though the project has been awarded in September 2015, the physical progress of the work till December 2015 was only 3%. The actual work has started in the first quarter (February 2016).

b. Compliance status with Government Environmental Regulations (as indicated in the IEE):

Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
Package 6/5	Conservation of Main Gate of Qila Androon, and Art Conservation works with Adaptive Reuse, Landscaping and utility works at Qila Mubarak	Disposal plan for extraneous material is needed.	Disposal of earth being done as per plan.
Other Environmental Regulations			

Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
		Tree cutting permissions	Tree cutting is not envisaged and hence tree cutting permission is not required.
		Sourcing of construction materials (quarry and borrow materials)	The quantity of the construction materials required for this sub project is very less and it has been sourced from local authorized (licensed) vendors.
		The EIA notification, 2006 (and its subsequent amendments)	Not applicable (not in the list of projects, which requires Environmental Clearance)
		Water (Prevention and control of pollution) Act, 1974 and Air (prevention and control of pollution) Act, 1981	Not applicable, since there are no requirement for setting up of hot mix plants, wet mix plants, stone crushers and diesel generators.
		The Wildlife Conservation Act, 1972, amended in 2003 and 2006	Not applicable, as there are no wildlife protected areas located within or in the surroundings of the subproject site
		The Forest Conservation Act, 1980 and its subsequent amendments	Not applicable, as there are no forest areas located within or in the surroundings of the subproject site
		The Ancient Monuments and Archaeological Sites and Remains Act, 1958, and the rules, 1959	The subproject site (Qila Mubarak) is a state protected monument and hence NoC/ clearance from Cultural Affairs, Archaeology and Museums, Punjab has been obtained (Refer Annexure 8)

c. Compliance status with Loan Covenant:

Package no.	Environmental Safeguard related Loan Covenants	Compliance Status
Package 6/5: Patiala Heritage Conservation and Tourism Development Project (Qila Mubarak)	The Project is undertaken, and the Project facilities are designed, constructed, implemented, operated, and maintained, in accordance with the Borrower's applicable laws and regulations; ADB's	All ADB safeguards are being followed.

Package no.	Environmental Safeguard related Loan Covenants	Compliance Status
	<p>Safeguard Policy Statement (2009) and the EARF;</p> <p>The IEEs and EMPs are implemented in accordance with their terms;</p> <p>In the event that any unanticipated adverse environmental impact occurs or a mitigation measure under an IEE or EMP does not have the desired effect, this is reported to ADB, and remedial actions are taken to mitigate the relevant impacts in consultation with the affected persons and ADB;</p> <p>Any changes to the location, land alignment, or environmental impacts on account of detailed designs of the Project facilities are mutually agreed between the Borrower and ADB, and are consistent with the eligibility criteria set forth in Schedule 4 to the FFA;</p> <p>The IEEs and EMPs are updated, as necessary, during the course of Project implementation and submitted to ADB for clearance;</p> <p>The Works contractors are contractually obliged to implement the IEEs and the EMPs, and report on their implementation on a regular basis, along with any deviation; and</p> <p>Reports on the implementation of the IEEs and the EMPs are submitted to ADB on a biannual basis.</p>	<p>IEE and EMP are being implemented in accordance with the terms of ADB.</p> <p>No unanticipated adverse environmental impact has occurred</p> <p>All the changes are consistent with the eligibility criteria set forth in Schedule 4 to the FFA.</p> <p>The IEE and EMP will be changed as necessary.</p> <p>Regular environmental monitoring is being performed and the report will be submitted to ADB on bi-annual basis.</p>

d. Compliance status with Subproject Selection Criteria:

S. No.	Subproject Selection Criteria	Package 6/5: Patiala Heritage Conservation and Tourism Development Project (Qila Mubarak)
1.	Site Description	The subproject is within the area available in Qila Mubarak.
2.	Description of proposed improvements	<ul style="list-style-type: none"> • Conservation and restoration of buildings at Qila Mubarak. • Conservation works to be done to architectural and decorative details. • Adaptive reuse of area between Qila Androon and outer wall for museum. • Landscaping and Site Development: <ul style="list-style-type: none"> ○ Landscaping and site development of the inner areas of Qila Mubarak ○ Provision of adequate lighting and internal signages. ○ Provision of visitor facilities and services. • Rerouting the electric cables currently running across the fort Capacity building for tourism development and management.
3.	Design Criteria	Steps to minimize the environmental impacts due to proposed conservation measures at Qila Mubarak.

e. Compliance status with EMMP as per IEE/EMP:

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
1. Efficient drainage of site	Work being carried out as per plan	Satisfactory	Continuous monitoring is required.
2. Exposed steel and concrete structures to be avoided.	Designs proposed are in accordance to architectural character of place.	Satisfactory	Exposed steel and concrete are barricaded to avoid any safety hazard.
3. Construction work area to be demarcated on ground	Work being carried out as per plan	Satisfactory	Construction work area is being barricaded and separated from labour camps.
4. Consideration to be given for material storage at construction sites.	Adequate space allotted for material storage	Satisfactory	All reusable construction material like bricks to be stacked and covered. All loose material will be covered from all the sides.
5. Safe disposal of extraneous wastes to be ensured in the pre-identified disposal locations.	Work being carried out as per plan	Satisfactory	All waste material at sites will be properly disposed.
6. The contractor to take precaution to reduce the level of dust at construction sites.	Work being carried out as per plan	Satisfactory	Sprinkling of water and covering of loose construction material is being taken up.
7. The waste generated	Work being carried out	Satisfactory	Continuous monitoring is

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
will be reused in construction activities, either as a fill material or based on its suitability of reuse to maximum extent.	as per plan		required. .
8. All workers employed on mixing asphaltic material, cement, lime mortars, concrete etc., will be provided with protective footwear and protective goggles.	Work being carried out as per plan	Satisfactory (Photographs are attached as Annexure -2).	Continuous monitoring will be done to ensure all the workers are using PPE's.
9.The Contractor will, at his own expense, conform to all anti-malaria instructions given to him by the Engineer	Work being carried out as per plan	Satisfactory	Contractor has been instructed to implement all measures to avoid any mosquito breeding in the labour camps.

f. Environmental Quality Monitoring

Noise (Analysis results are enclosed in the Annexure)

Location	Value	Standards
In the vicinity of the construction site, at the location advised by the Environment Specialist of the DSC	The observed value of 71.0 dB (A) at construction site is found to be higher than the prescribed limits in comparison with the CPCB Noise Quality Standard for commercial area/ zone . The Contractor has been advised to adopt management measures (including using construction machineries with lower noise emissions; avoiding metal on metal impacts and fitting silencers to generators and vehicle exhausts) in order to contain the noise levels generated during construction. Noise level monitoring analysis report is attached as Annexure - 9.	CPCB noise standard for commercial area is 65 dB(A) for day time and 55 dB (A) for night time

Ambient Air Monitoring (Analysis results are enclosed in the Annexure)

Location	Parameter	Value	Standard
In the vicinity of the construction site, at the location advised by the Environment Specialist of the DSC	PM ₁₀ , µg/m ³	98.0	100.0
	PM _{2.5} , µg/m ³	55.0	60.0
	Oxides of Sulphur, µg/m ³	9.0	80.0
	Oxides of Nitrogen, µg/m ³	17.0	80.0
	Carbon monoxide, µg/m ³	Not detected	2.0
	The observed AAQ values are within the regulatory standards indicating the construction activities does not have any		

		impact on the existing air quality. Ambient air monitoring report is attached as Annexure - 9.	
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g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
1.	Package 6/5: Patiala Heritage Conservation and Tourism Development Project (Qila Mubarak)	None	NA	NA	No Grievances have been recorded so far.

V. PACKAGE 7/7: ESTABLISHMENT OF TOURISM FACILITIES AND INFRASTRUCTURE SHOWCASING OF SIKH CULTURE, CHAMKAUR SAHIB (CIVIL WORKS)

a. Implementation status:

S. No.	Sub Project Component/ Packages	Details of work under Package	Commence ment of Civil Works	Expected date of Completion	Physical Progress till date	Type of Work presently Conducted	Remarks
1	Package 7/7: Establishment of Tourism Facilities and Infrastructure showcasing of Sikh Culture, Chamkaur Sahib (Civil Works)	<ul style="list-style-type: none"> • Construction of TRC (Tourist Reception Centre) • Provision of garden lighting and high mast lighting. • Construction of the main entrance gate • Provision of visitor facilities like toilets, drinking water facilities etc • Fitting and fixtures • Display materials • Provision Services such as electrical, plumbing, HVAC etc 	08 June 2015	06 Dec 2016	10.3%	<ul style="list-style-type: none"> • Clearing and grubbing • Concret ing Works 	Though the project has been awarded in June 2015. The physical progress of the work till December 2015 was only 3%. The actual Work has started in the first quarter (February 2016).

b. Compliance status with Government Environmental Regulations (as indicated in the IEE):

Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
Package 7/7: Establishment of Tourism Facilities and Infrastructure showcasing of Sikh Culture, Chamkaur Sahib (Civil Works)	<ul style="list-style-type: none"> • Construction of TRC (Tourist Reception Centre) • Provision of garden lighting and high mast lighting. • Construction of the main entrance gate • Provision of visitor facilities like toilets, drinking water facilities etc • Fitting and fixtures • Display materials 	Disposal plan for extraneous material is needed	Disposal of extraneous material as per plan.

Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
	<ul style="list-style-type: none"> Provision of services such as electrical, plumbing, HVAC etc 		
Other Environmental Regulations			
		Tree cutting permissions	Tree cutting is not envisaged and hence tree cutting permission is not required.
		Sourcing of construction materials (quarry and borrow materials)	The quantity of the construction materials required for this sub project is very less and it has been sourced from local authorized (licensed) vendors
		The EIA notification, 2006 (and its subsequent amendments)	Not applicable (not in the list of projects, which requires Environmental Clearance)
		Water (Prevention and control of pollution) Act, 1974 and Air (prevention and control of pollution) Act, 1981	Not applicable, since there are no requirement for setting up of hot mix plants, wet mix plants, stone crushers and diesel generators.
		The Wildlife Conservation Act, 1972, amended in 2003 and 2006	Not applicable, as there are no ecological sensitive areas located within or in the surroundings of the subproject site
		The Forest Conservation Act, 1980 and its subsequent amendments	Not applicable, as there are no forest areas located within or in the surroundings of the subproject site
		The Ancient Monuments and Archaeological Sites and Remains Act, 1958, and the rules, 1959	Not applicable, the monuments are not under the ambit of this Act

c. Compliance status with Loan Covenant:

Package no	Environmental Safeguard related Loan Covenants	Compliance Status
Package 7/7: Establishment of Tourism Facilities	The Project is undertaken, and the Project facilities are designed, constructed,	All ADB safeguards are being followed.

Package no	Environmental Safeguard related Loan Covenants	Compliance Status
and Infrastructure showcasing of Sikh Culture, Chamkaur Sahib (Civil Works)	<p>implemented, operated, and maintained, in accordance with the Borrower's applicable laws and regulations; ADB's Safeguard Policy Statement (2009) and the EARF;</p> <p>The IEEs and EMPs are implemented in accordance with their terms ;</p> <p>In the event that any unanticipated adverse environmental impact occurs or a mitigation measure under an IEE or EMP does not have the desired effect, this is reported to ADB, and remedial actions are taken to mitigate the relevant impacts in consultation with the affected persons and ADB;</p> <p>Any changes to the location, land alignment, or environmental impacts on account of detailed designs of the Project facilities are mutually agreed between the Borrower and ADB, and are consistent with the eligibility criteria set forth in Schedule 4 to the FFA;</p> <p>The IEEs and EMPs are updated, as necessary, during the course of Project implementation, and submitted to ADB for clearance;</p> <p>The Works contractors are contractually obliged to implement the IEEs and the EMPs, and report on their implementation on a regular basis, along with any deviation; and</p> <p>Reports on the implementation of the IEEs and the EMPs are submitted to ADB on a biannual basis.</p>	<p>IEE and EMP are being implemented in accordance with the terms of ADB.</p> <p>No unanticipated adverse environmental impact has occurred.</p> <p>All the changes are consistent with the eligibility criteria set forth in Schedule 4 to the FFA.</p> <p>The IEE and EMP will be changed as necessary.</p> <p>Environmental monitoring has not been conducted for this subproject for the biannual period (Jan to June, 2016) due to the delay in the start of the work. However, Regular environmental monitoring shall be performed for the biannual period (July to December, 2016) and the report will be submitted to ADB</p>

d. Compliance status with Subproject Selection Criteria:

S No	Subproject Selection Criteria	Package 7/7: Establishment of Tourism Facilities and Infrastructure showcasing of Sikh Culture, Chamkaur Sahib (Civil Works)
1	Site Description	Chamkaur Sahib is a sub divisional town in the district of Rupnagar Punjab. Situated on the banks of the Sirhind Canal. The subproject area is located in Rupnagar city urban and rural areas which were converted into urban use for many years ago, and there is no natural habitat left at these sites. The sites are not within or adjacent to any protected areas

S No	Subproject Selection Criteria	Package 7/7: Establishment of Tourism Facilities and Infrastructure showcasing of Sikh Culture, Chamkaur Sahib (Civil Works)
2	Description of proposed improvements	<ul style="list-style-type: none"> • Construction of TRC (Tourist Reception Centre) • Provision of garden lighting and high mast lighting. • Construction of the main entrance gate • Provision of visitor facilities like toilets, drinking water facilities etc • Fitting and fixtures • Display materials • Provision Services such as electrical, plumbing, HVAC etc
3	Design Criteria	<p>Civil structure (parking and TRC centre inclusive of ramps, staircases and toilets).</p> <p>Landscape – Hardscape – Pavement, signage, lighting, bollards, chain barriers; Softscape – plant material</p> <p>Infrastructure – water supply, sewerage, firefighting, storm water, electrical, dustbins and drinking water facility.</p>

e. Compliance status with EMMP as per IEE/EMP for separate Packages:

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
1. Efficient drainage of site	Work being carried out as per plan	Satisfactory	Continuous monitoring is required.
2. Exposed steel and concrete structures to be avoided.	Designs proposed are in accordance to architectural character of place.	Satisfactory	Exposed steel and concrete are barricaded to avoid any safety hazard.
3. Construction work area to be demarcated on ground.	Work being carried out as per plan	Satisfactory	Construction work area is being barricaded and separated from labour camps.
4. Consideration to be given for material storage at construction sites.	Adequate space allotted for material storage	Satisfactory	All reusable construction material like bricks to be stacked and covered. All loose material will be covered from all the sides.
5. Safe disposal of bituminous wastes to be ensured in the pre-identified disposal locations.	Disposal of bituminous material as per plan	Satisfactory	All waste material at sites will be properly disposed.
6. Adequate safety precautions will be ensured during transportation of quarry material.	Work being carried out as per plan	Satisfactory	To be monitored closely
7. The contractor to take precaution to reduce the level of dust at construction sites.	Work being carried out as per plan	Satisfactory	Sprinkling of water and covering of loose construction material is being taken up.

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
8. All vehicles, equipments and machinery used for construction to be regularly maintained.	Work being carried out as per plan	Satisfactory	Continuous monitoring is required
8. All workers employed on mixing asphaltic material, cement, lime mortars, concrete etc., will be provided with protective footwear and protective goggles.	Work being carried out as per plan	Satisfactory (Photographs are attached as Annexure - 2).	Continuous monitoring will be done to ensure all the workers are using PPE's.
9. The Contractor will, at his own expense, conform to all anti-malaria instructions given to him by the Engineer	Work being carried out as per plan	Satisfactory	Contractors have been instructed to implement all measures to avoid any mosquito breeding in the labour camps.

f. Environmental Quality Monitoring

Noise Quality and AAQ was not performed for this biannual (January to June 2016) period. The contractor has been advised to conduct regular environmental monitoring. The AAQ shall be updated in the next biannual QEMR-T3.

Noise Quality Monitoring

Location	Value	Standards
-	-	-

Ambient Air Monitoring

Location	Parameter	Value	Standard
-	-	-	-

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
	Package 7/7: Establishment of Tourism Facilities and Infrastructure showcasing of Sikh Culture, Chamkaur Sahib (Civil Works)	None	NA	NA	No Grievances have been recorded so far.

VI. PACKAGE 8/9: STRUCTURES CONSERVATION AT GOBINDGARH FORT

a. Implementation status:

S. No.	Sub Project Component/Packages	Details of work under Package	Commence ment of Civil Works	Expected of date Completion	Physical Progress till date	Type of Work presently Conducted	Remarks
1	Lot 1 - Structures Conservation at Gobindgarh Fort	Conservation and structural stabilization of the fort walls, bastions and moat	08 Feb 2016	07 Aug 2017	3.0%	<ul style="list-style-type: none"> Removal/clearing of wild vegetation is being carried out that has grown on the fort wall 	Work is in progress.
2	Lot 2 - Structures Conservation at Gobindgarh Fort	Conservation and structural stabilization of the fort walls, bastions and moat	10 Nov 2015	27 Jan 2017	36.0%	<ul style="list-style-type: none"> Removal/clearing of wild vegetation is being carried out; that has grown on the fort wall 	The left over work/ remaining work from Lot-3 (Tranche – 1, which is now terminated) has been taken up in Lot – 2, package 8/9. The actual Work has started in the month of February 2016.

b. Compliance status with Government Environmental Regulations:

Package No	Sub Project Component/Packages	Clearance/ required	Approval	Current Status
Package 8/9: Structures Conservation at Gobindgarh Fort	Conservation and structural stabilization of the fort walls, bastions and moat	Disposal plan for extraneous material is needed		Disposal of extraneous material as per plan.
	Other Environmental Regulations			
		The EIA notification, 2006 (and its subsequent amendments)		Not applicable (not in the list of projects, which requires Environmental Clearance)
		Tree cutting permissions		Tree cutting is not envisaged and hence tree cutting permission is not required.
		Sourcing of construction materials (quarry and borrow materials)		The quantity of the construction materials required for this sub

Package No	Sub Component/Packages	Project	Clearance/ Approval required	Current Status
				project is very less and it has been sourced from local authorized (licensed) vendors.
			Water (Prevention and control of pollution) Act, 1974 and Air (prevention and control of pollution) Act, 1981	Not applicable, since there are no requirement for setting up of hot mix plants, wet mix plants and diesel generators.
			The Wildlife Conservation Act, 1972, amended in 2003 and 2006	Not applicable, as there are no ecological sensitive areas located within or in the surroundings of the subproject site
			The Forest Conservation Act, 1980 and its subsequent amendments	Not applicable, as there are no forest areas located within or in the surroundings of the subproject site
			The Ancient Monuments and Archaeological Sites and Remains Act, 1958, and the rules, 1959	Not applicable the monument is not under the ambit of this Act

c. Compliance status with Loan Covenant:

S. No.	Environmental Safeguard related Loan Covenants	Compliance Status
Package 8/9: Structures Conservation at Gobindgarh Fort	<p>The Project is undertaken, and the Project facilities are designed, constructed, implemented, operated, and maintained, in accordance with the Borrower's applicable laws and regulations; ADB's Safeguard Policy Statement (2009) and the EARF;</p> <p>The IEEs and EMPs are implemented in accordance with their terms ;</p> <p>In the event that any unanticipated adverse environmental impact occurs or a mitigation measure under an IEE or EMP does not have the desired effect, this is reported to ADB, and remedial actions are taken to mitigate the relevant impacts in consultation with the affected persons and ADB;</p> <p>Any changes in the location, land</p>	<p>All ADB safeguards are being followed.</p> <p>IEE and EMP are being implemented in accordance with the terms of ADB.</p> <p>No unanticipated adverse environmental impact has occurred.</p> <p>All the changes are</p>

S. No.	Environmental Safeguard related Loan Covenants	Compliance Status
	<p>alignment, or environmental impacts on account of detailed designs of the Project facilities are mutually agreed between the Borrower and ADB, and are consistent with the eligibility criteria set forth in Schedule 4 to the FFA;</p> <p>The IEEs and EMPs are updated, as necessary, during the course of Project implementation, and submitted to ADB for clearance;</p> <p>The Works contractors are contractually obliged to implement the IEEs and the EMPs, and report on their implementation on a regular basis, along with any deviation; and</p> <p>Reports on the implementation of the IEEs and the EMPs are submitted to ADB on a biannual basis.</p>	<p>consistent with the eligibility criteria set forth in Schedule 4 to the FFA.</p> <p>The IEEs and EMPs will be changed as necessary.</p> <p>Regular environmental monitoring is being performed and report shall be submitted to ADB on biannual basis.</p>

d. Compliance status with Subproject Selection Criteria:

S No	Subproject Selection Criteria	Package 8/9: Structures Conservation at Gobindgarh Fort
1	Site Description	The project is within the area available in Gobindgarh Fort.
2	Description of proposed improvements	Conservation and structural stabilization of the fort walls, bastions and moat walls
3	Design Criteria	Careful selection of material, the result of interventions is unobtrusive and will be integral part of the overall ambience.

e. Compliance status with EMMP as per IEE/EMP for separate Packages:

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
1. Efficient drainage of site	Work being carried out as per plan	Satisfactory	Continuous monitoring is required.
2. Exposed steel and concrete structures to be avoided.	Designs proposed are in accordance to architectural character of place.	Satisfactory	Exposed steel and concrete is being barricaded and covered.
3. Construction work area to be demarcated on ground	Work being carried out as per plan	Satisfactory	Construction work area is barricaded and separated from labour settlements.
4. Consideration to be given for material storage at construction sites.	Adequate space allotted for material storage	Satisfactory	Material is being properly stacked, covered and stored.
5. Safe disposal of extraneous wastes to be ensured in the pre-identified disposal	Work being carried out as per plan	Satisfactory	Contractors have been directed to ensure proper disposal of wastes at site.

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
locations.			
6. Excavated earth from moat to be reused in the ongoing project site.	Excavated earth is being covered and stored properly.	Satisfactory	To the extent the excavated earth has been reused
7. The contractor to take precaution to reduce the level of dust at construction sites.	Sprinkling of water is being done at regular intervals. Construction material is covered.	Satisfactory	All construction material to be covered properly from all the sides.
8. The waste generated will be reused in construction activities, either as a fill material or based on its suitability of reuse to maximum extent.	Work being carried out as per plan	Satisfactory	Continuous monitoring is required. .
9. All workers employed on mixing asphaltic material, cement, lime mortars, concrete etc., will be provided with protective footwear and protective goggles.	All workers have been provided with PPEs.	Satisfactory (Photographs are attached as Annexure -2).	Continuous monitoring will be done to ensure all the workers are using PPE's.
10. The Contractor will, at his own expense, conform to all anti-malaria instructions given to him by the Engineer	Work being carried out as per plan	Satisfactory	Contractor has been instructed to implement all measures to avoid any mosquito breeding in the labour camps.

f. Environmental Quality Monitoring

Noise (Analysis results are enclosed in the Annexure)

Location	Value	Standards
In the vicinity of the construction site, at the location advised by the Environment Specialist of the DSC	The observed value of 60.2 dB (A) is found to be less than the prescribed limits in comparison with the CPCB Noise Quality Standard for commercial area/ zone . Noise level monitoring analysis report is attached as Annexure - 10.	CPCB noise standard for commercial area is 65 dB (A) for day time and 55 dB (A) for night time.

Ambient Air Monitoring (Analysis results are enclosed in the Annexure)

Location	Parameter	Value	Standard
In the vicinity of the construction site, at the location advised by the Environment Specialist of the	PM ₁₀ , µg/m ³	71.0	100.0
	PM _{2.5} , µg/m ³	57.0	60.0
	Oxides of Sulphur, µg/m ³	10.0	80.0
	Oxides of Nitrogen, µg/m ³	14.0	80.0
	Carbon monoxide µg/m ³		

Location	Parameter	Value	Standard
DSC		<p>Not detected</p> <p>The observed AAQ values are within the regulatory standards indicating the construction activities does not have any impact on the existing air quality.</p> <p>Ambient air monitoring report is attached as Annexure - 10.</p>	2.0

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
	Package 8/9: Structures Conservation at Gobindgarh Fort	None	NA	NA	No Grievances have been recorded so far.

VII. PACKAGE 10/14: LAST MILE CONNECTIVITY TO CULTURAL SITES IN WESTERN CIRCUIT

a. Implementation status

S. No.	Project Component/Packages	Details of work under Package	Commencement of Civil Works	Expected date of Completion	Physical Progress till date	Type of Work presently Conducted	Remarks
1.	Package 10/14: Last mile Connectivity to Cultural Sites in Western Circuit	<ul style="list-style-type: none"> Upgradation and strengthening of the exiting road Upgradation/ Relaying of PCC at certain stretches Provision of 1 m wide berm (Brick on edge) on both sides Provision of storm water drainage system, along both sides of road Upgradation of culverts. Widening of minor bridges Provision of adequate footpaths 	22 May 2015	21 Nov 2016	70%	<ul style="list-style-type: none"> Construction of drain Construction of culverts 	Work in progress

b. Compliance status with Government Environmental Regulations (as indicated in the IEE):

Package No	Sub Component/Packages	Project	Clearance/ Approval required	Current Status
Package 10/14: Last mile Connectivity to Cultural Sites in Western Circuit	<ul style="list-style-type: none"> Upgradation and strengthening of the exiting road Upgradation/ Relaying of PCC at certain stretches Provision of 1 m wide berm (Brick on edge) on both sides Provision of storm water drainage system, along both sides of road Upgradation of culverts. Widening of minor bridges Provision of adequate 		Disposal plan for extraneous material is needed.	Disposal of extraneous material as per plan.
			Other Environmental Regulations	
			Tree cutting permissions	Tree cutting is not envisaged and hence the tree cutting permission is not required.
			Sourcing of construction materials (quarry and borrow materials)	The quantity of the construction materials required for this

Package No	Sub Component/Packages	Project	Clearance/ Approval required	Current Status
	footpaths			sub project is very less and it has been sourced from local authorized (licensed)vendors
			The EIA notification, 2006 (and its subsequent amendments)	Not applicable (not in the list of projects, which requires Environmental Clearance)
			Water (Prevention and control of pollution) Act, 1974 and Air (prevention and control of pollution) Act, 1981	Not applicable, since there are no requirement for setting up of hot mix plants, wet mix plants, stone crushers and diesel generators.
			The Wildlife Conservation Act, 1972, amended in 2003 and 2006	Not applicable, as there are no ecological sensitive areas located within or in the surroundings of the subproject site
			The Forest Conservation Act, 1980 and its subsequent amendments	Not applicable, as there are no forest areas located within or in the surroundings of the project site
			The Ancient Monuments and Archaeological Sites and Remains Act, 1958, and the rules, 1959	Not applicable, as there are no monuments located within or in the vicinity of the subproject area

c. Compliance status with Loan Covenant:

Package no.	Safeguard related Loan Covenants	Compliance Status
Package 10/14: Last mile Connectivity to Cultural Sites in Western Circuit	The Project is undertaken, and the Project facilities are designed, constructed, implemented, operated, and maintained, in accordance with	All ADB safeguards are being followed.

Package no.	Safeguard related Loan Covenants	Compliance Status
	<p>the Borrower's applicable laws and regulations; ADB's Safeguard Policy Statement (2009) and the EARF;</p> <p>The IEEs and EMPs are implemented in accordance with their terms ;</p> <p>In the event that any unanticipated adverse environmental impact occurs or a mitigation measure under an IEE or EMP does not have the desired effect, this is reported to ADB, and remedial actions are taken to mitigate the relevant impacts in consultation with the affected persons and ADB;</p> <p>Any changes to the location, land alignment, or environmental impacts on account of detailed designs of the Project facilities are mutually agreed between the Borrower and ADB, and are consistent with the eligibility criteria set forth in Schedule 4 to the FFA;</p> <p>The IEEs and EMPs are updated, as necessary, during the course of Project implementation, and submitted to ADB for clearance;</p> <p>The Works contractors are contractually obliged to implement the IEEs and the EMPs, and report on their implementation on a regular basis, along with any deviation; and</p> <p>Reports on the implementation of the IEEs and the EMPs are submitted to ADB on a biannual basis.</p>	<p>IEE and EMP are being implemented in accordance with the terms of ADB.</p> <p>No unanticipated adverse environmental impact has occurred</p> <p>All the changes are consistent with the eligibility criteria set forth in Schedule 4 to the FFA.</p> <p>The IEE and EMP will be changed as necessary.</p> <p>Regular environmental monitoring is being performed and report is being submitted to ADB on biannual basis.</p>

d. Compliance status with Subproject Selection Criteria:

S. No.	Subproject Selection Criteria	Package 10/14: Last mile Connectivity to Cultural Sites in Western Circuit
1	Site Description	The subproject area falls under the western circuit. The proposed interventions are for the existing roads, which connects the cultural sites. The present conditions of the connectivity roads are not in good condition and hence it is proposed for improvements.
2	Description of proposed improvements	<ul style="list-style-type: none"> • Upgradation and strengthening of the exiting road • Upgradation/ Relaying of PCC at certain stretches

S. No.	Subproject Selection Criteria	Package 10/14: Last mile Connectivity to Cultural Sites in Western Circuit
		<ul style="list-style-type: none"> • Provision of 1 m wide berm (Brick on edge) on both sides • Provision of storm water drainage system, along both sides of road • Upgradation of culverts. • Widening of minor bridges • Provision of adequate footpaths
3	Design Criteria	The last mile connectivity is designed based on the volume of pilgrims/ tourists visiting the cultural sites. The roads are designed to accommodate the anticipated vehicle volume; the roads thus designed are in line with the MoRTH requirements.

e. Compliance status with EMMP as per IEE/EMP for separate Packages:

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
1. Specific interventions for improvement of pedestrian safety.	Work being carried out as per plan	Satisfactory	Exposed steel and concrete are barricaded to avoid any safety hazard.
2. Construction work area to be demarcated on ground.	Work being carried out as per plan	Satisfactory	Construction work area is being barricaded and separated from labour camps.
3. Consideration to be given for material storage at construction sites.	Adequate space allotted for material storage	Satisfactory	All reusable construction material like bricks to be stacked and covered. All loose material will be covered from all the sides.
4. Safe disposal of bituminous wastes to be ensured in the pre-identified disposal locations.	Disposal of bituminous material as per plan	Satisfactory	All waste material at sites will be properly disposed.
5. Adequate safety precautions will be ensured during transportation of quarry material.	Work being carried out as per plan	Satisfactory	Continuous monitoring is required
6. The contractor to take precaution to reduce the level of dust at construction sites.	Work being carried out as per plan	Satisfactory	Sprinkling of water and covering of loose construction material is being taken up.
7. All vehicles, equipment's and machinery used for construction to be regularly maintained.	Work being carried out as per plan	Satisfactory	Continuous monitoring is required.
8. All workers employed on mixing asphaltic material, cement, lime mortars, concrete etc., will be provided with protective footwear and protective goggles.	Work being carried out as per plan	Satisfactory (Photographs are attached as Annexure -2).	Continuous monitoring will be done to ensure all the workers are using PPE's.
9. The Contractor will, at his own	Work being	Satisfactory	Contractors have been

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
expense, conform to all anti-malaria instructions given to him by the Engineer	carried out as per plan		instructed to implement all measures to avoid any mosquito breeding in the labour camps.

f. Environmental Quality Monitoring

Noise (Analysis results enclosed in the Annexure)

Location	Value	Standards
In the vicinity of the construction site, at the location advised by the Environment Specialist of the DSC	The observed value of 63.0dB (A) is found to be less than the prescribed limits in comparison with the CPCB Noise Quality Standard for commercial area/ zone . Noise level monitoring analysis report is attached as Annexure - 11.	Within the CPCB standard value of 65db(A)

Ambient Air Monitoring (Analysis results are enclosed in the Annexure)

Location	Parameter	Value	Standard
Package 10/14: Last mile Connectivity to Cultural Sites in Western Circuit	PM ₁₀ , µg/m ³	66.0	100.0
	PM _{2.5} , µg/m ³	50.0	60.0
	Oxides of Sulphur, µg/m ³	11.0	80.0
	Oxides of Nitrogen, µg/m ³	18.0	80.0
	Carbon monoxide µg/m ³	Not detected	2.0
		The observed AAQ values are within the regulatory standards indicating the construction activities does not have any impact on the existing air quality. Ambient air monitoring report is attached as Annexure - 11.	

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
	Package 10/14: Last mile Connectivity to Cultural Sites in Western Circuit	None	NA	NA	No Problem has been reported.

VIII. PACKAGE 13/20: CONSERVATION AND ADAPTIVE REUSE OF COLONIAL HERITAGE IN KAPURTHALA - DARBAR HALL

a. Implementation status

S. No.	Sub Project Component/ Packages	Details of work under Package	Commence ment of Civil Works	Expected date of Completion	Physical Progress till date	Type of Work presently Conducted	Remarks
1.	Package 13/20: Conservation and adaptive reuse of colonial heritage in Kapurthala - Darbar Hall	Conservation and restoration of the Central building which includes <ul style="list-style-type: none"> • Removal of vegetation, repair works • Reconstruction of fallen roofs • Re-plastering the building. • Provision of Services such as Electrical, Plumbing, Firefighting, HVAC etc 	25 July 2015	24 Jan 2017	7.0%	<ul style="list-style-type: none"> • Clearing and grubbing • Removal/ clearing of wild vegetation 	Though the project has been awarded in July 2015. The physical progress till December 2015 was nil (0%). The actual Work has started in the month of February 2016.

b. Compliance status with Government Environmental Regulations (as indicated in the IEE):

Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
Package 13/20: Conservation and adaptive reuse of colonial heritage in Kapurthala - Darbar Hall	Conservation and restoration of the Central building which includes <ul style="list-style-type: none"> • Removal of vegetation, repair works • Reconstruction of fallen roofs • Re-plastering the building. • Provision of Services such as Electrical, Plumbing, Firefighting, HVAC etc 	Disposal plan for extraneous material is needed.	Disposal of extraneous material as per plan.
		Other Environmental Regulations	
		Tree cutting permissions	Tree cutting is not envisaged and hence tree cutting permission is not required.
		Sourcing of construction materials (quarry and borrow materials)	The quantity of the construction materials required for this

Package No	Sub Component/Packages	Project	Clearance/ Approval required	Current Status
				sub project is very less and it has been sourced from local authorized (licensed) vendors
			The EIA notification, 2006 (and its subsequent amendments)	Not applicable (not in the list of projects, which requires Environmental Clearance)
			Water (Prevention and control of pollution) Act, 1974 and Air (prevention and control of pollution) Act, 1981	Not applicable, since there are no requirement for setting up of hot mix plants, wet mix plants, stone crushers and diesel generators.
			The Wildlife Conservation Act, 1972, amended in 2003 and 2006	Not applicable, as there are no ecological sensitive areas located within or in the surroundings of the subproject site
			The Forest Conservation Act, 1980 and its subsequent amendments	Not applicable, as there are no forest areas located within or in the surroundings of the project site
			The Ancient Monuments and Archaeological Sites and Remains Act, 1958, and the rules, 1959	Not applicable, the monuments are not under the ambit of this Act

c. Compliance status with Loan Covenant:

S. No.	Environmental Safeguard related Loan Covenants	Compliance Status
Package 13/20: Conservation and adaptive reuse of colonial heritage in Kapurthala - Darbar Hall	The Project is undertaken, and the Project facilities are designed, constructed,	All ADB safeguards are being followed.

S. No.	Environmental Safeguard related Loan Covenants	Compliance Status
	<p>implemented, operated, and maintained, in accordance with the Borrower's applicable laws and regulations; ADB's Safeguard Policy Statement (2009) and the EARF;</p> <p>The IEEs and EMPs are implemented in accordance with their terms;</p> <p>In the event that any unanticipated adverse environmental impact occurs or a mitigation measure under an IEE or EMP does not have the desired effect, this is reported to ADB, and remedial actions are taken to mitigate the relevant impacts in consultation with the affected persons and ADB;</p> <p>Any changes to the location, land alignment, or environmental impacts on account of detailed designs of the Project facilities are mutually agreed between the Borrower and ADB, and are consistent with the eligibility criteria set forth in Schedule 4 to the FFA;</p> <p>The IEEs and EMPs are updated, as necessary, during the course of Project implementation, and submitted to ADB for clearance;</p> <p>The Works contractors are contractually obliged to implement the IEEs and the EMPs, and report on their implementation on a regular basis, along with any deviation; and</p> <p>Reports on the implementation of the IEEs and the EMPs are submitted to ADB on a biannual basis.</p>	<p>IEE and EMP are being implemented in accordance with the terms of ADB.</p> <p>No unanticipated adverse environmental impact has occurred.</p> <p>All the changes are consistent with the eligibility criteria set forth in Schedule 4 to the FFA.</p> <p>The IEEs and EMPs will be changed as necessary.</p> <p>Environmental monitoring has not been conducted for this subproject for the biannual period (Jan to June, 2016) due to the delay in the start of the work. However, Regular environmental monitoring shall be performed for the biannual period (July to December, 2016) and the report will be submitted</p>

S. No.	Environmental Safeguard related Loan Covenants	Compliance Status
		to ADB

d. Compliance status with Subproject Selection Criteria:

S. No.	Subproject Selection Criteria	Package 13/20: Conservation and adaptive reuse of colonial heritage in Kapurthala - Darbar Hall
1.	Site Description	The subproject is within the area available in the Darbar Hall.
2.	Description of proposed improvements	<ul style="list-style-type: none"> • Removal of vegetation, repair works • Reconstruction of fallen roofs • Re-plastering the building. • Provision of Services such as Electrical, Plumbing, Firefighting, HVAC etc
3.	Design Criteria	Steps to minimize the environmental impacts due to proposed interventions in Darbar Hall.

e. Compliance status with EMMP as per IEE/EMP:

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
1. Efficient drainage of site	Work being carried out as per plan	Satisfactory	Continuous monitoring is required. .
2. Exposed steel and concrete structures to be avoided.	Designs proposed are in accordance to architectural character of place.	Satisfactory	Exposed steel and concrete are barricaded to avoid any safety hazard.
3. Construction work area to be demarcated on ground	Work being carried out as per plan	Satisfactory	Construction work area is being barricaded and separated from labour camps.
4. Consideration to be given for material storage at construction sites.	Adequate space allotted for material storage	Satisfactory	All reusable construction material like bricks to be stacked and covered. All loose material will be covered from all the sides.
5. Safe disposal of extraneous wastes to be ensured in the pre-identified disposal locations.	Work being carried out as per plan	Satisfactory	All waste material at sites will be properly disposed.
6. The contractor to take precaution to reduce the level of dust at construction sites.	Work being carried out as per plan	Satisfactory	Sprinkling of water and covering of loose construction material is being taken up.
7. The waste generated will be reused in construction activities, either as a fill material or based on its suitability of reuse to maximum extent.	Work being carried out as per plan	Satisfactory	Continuous monitoring is required.
8. All workers employed	Work being carried	Satisfactory	Continuous monitoring

Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
on mixing asphaltic material, cement, lime mortars, concrete etc., will be provided with protective footwear and protective goggles.	out as per plan	(Photographs are attached as Annexure -2).	will be done to ensure all the workers are using PPE's.
9.The Contractor will, at his own expense, conform to all anti-malaria instructions given to him by the Engineer	Work being carried out as per plan	Satisfactory	Contractors have been instructed to implement all measures to avoid any mosquito breeding in the labour camps.

f. Environmental Quality Monitoring

Noise Quality and AAQ was not performed for this biannual (January to June 2016) period. The contractor has been advised to conduct regular environmental monitoring. The AAQ shall be updated in the next biannual QEMR-T3.

Noise Quality Monitoring

Location	Value	Standards
-	-	-

Ambient Air Monitoring

Location	Parameter	Value	Standard
-	-	-	-

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
1.	Package 13/20: Conservation and adaptive reuse of colonial heritage in Kapurthala - Darbar Hall	None	NA	NA	No Grievances have been recorded so far.

Annexure – 1

Clearance from State Archaeology Department

NO OBJECTION CERTIFICATE

It is certified that there is no objection if the proposed project Management and reuse
plan of Aam Khas Bagh including Conservation of Boundary wall and Providing visit
facilities at arts and Crafts Centre (Maulana) (name of the project)
is executed by PHTPB of the Tourism Department (Punjab) as per the guide lines of

Govt. of India and ADB loan funded projects under IDIPT at Aam Khas Bagh

Distt Fatehgarh Sahib, Punjab.
(details of land/area/ building)

Place: Changizgarh

Date: 28/8/14

Signature MRB
Department /owner

Director,
Central Affairs Archaeology &
Punjab, Chandigarh
(Official Stamp)

Counter Signed

Deputy Commissioner
Fatehgarh Sahib
Deputy Commissioner

(Official Stamp)

CERTIFICATE AND UNDERTAKING

It is certified that: -

1. The Aam Khas Bagh Distt Fatehgarh Sahib
(details of land/area/ building) Where
 the Management and reuse plan of Aam Khas Bagh including Conservation of
(name of the project) Boundary wall and Providing visitors facilities at arts & Craft Centre (Maul)
 project is proposed, for
 execution by PHTPB of the Tourism Department (Punjab), is under the ownership of
Directorate of Cultural Affairs, Archaeology and Museums
(Details of the owner) and is
 under the possession of Directorate of Cultural Affairs, Archaeology and
(Details of possessor) Museums

2. There is NO encroachment and NO resettlement/displacement/rehabilitation of people involved in the above Proposed Project area/building/land.

3. The proposed Project is not Partially/Fully part of any other project funded under any other scheme/programme of the State/Central Govt. or any external funding.

4. The assets created as a result of the execution of above stated project will be taken over for operation and maintenance by Directorate of Cultural Affairs,
(Name of the department/organization) Archaeology and Museums, Punjab

Place: Chandigarh
 Date: 27/8/14

Signature MBG
 Department/Organisation/Owner
 (Official Stamp)

**Director,
 Cultral Affairs Archaeology &
 Museums, Punjab, Chandigarh**

Counter Signed

[Signature]
**Deputy Commissioner
 Fatehgarh Sahib**

Annexure – 2

PACKAGE 3-12/02 - Imperial Highway Heritage Conservation and Visitor Facility Development



PACKAGE 4/3: Eco-tourism Development at Ropar and Harike Wetlands (Civil Works)

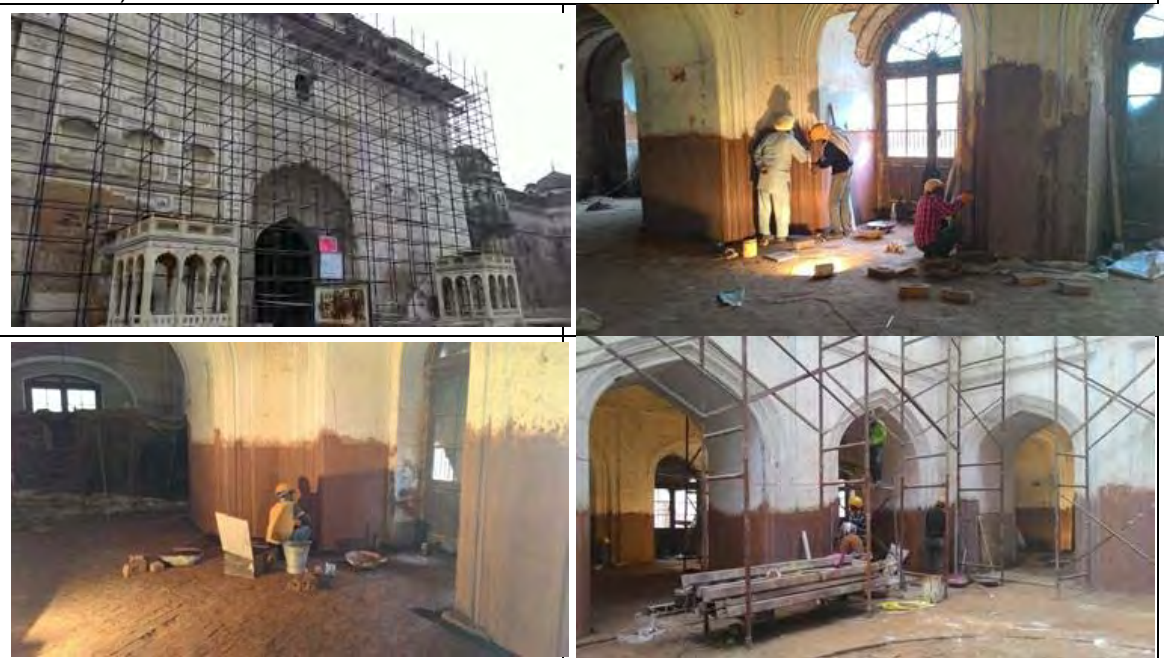




PACKAGE 5/4: Eco-Tourism Development of Wildlife Zoo



PACKAGE 6/5: Patiala Heritage Conservation and Tourism Development Project (Qila Mubarak)



PACKAGE 7/7: Establishment of Tourism Facilities and Infrastructure showcasing of Sikh Culture, Chamkaur Sahib (Civil Works)



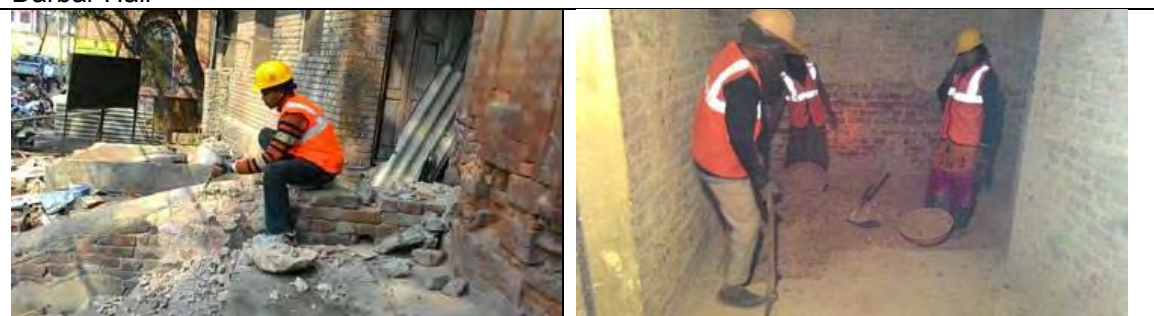
PACKAGE 8/9: Structures Conservation at Gobindgarh Fort



PACKAGE 10/14: Last mile Connectivity to Cultural Sites in Western Circuit



PACKAGE 13/20: Conservation and Adaptive Reuse of Colonial Heritage in Kapurthala - Darbar Hall



Annexure – 3

PACKAGE 3-12/02 - Imperial Highway Heritage Conservation and Visitor Facility Development

Noise Quality Monitoring

CP TESTING LABORATORY
(EFFLUENTS, WATER & AIR)

H.O.: # 372, Sector 15-A, Chandigarh-160 015 ☎ : 0172 - 4669295
Lab : E-126, Phase-VII, Indl. Area, Mohali-160055; ☎ : 0172-5090312; Telefax : 0172-4669295; E-mail : sital_cptmohali@yahoo.co.in, cptle126@gmail.com

ISO 14001:2007 REGISTERED
MOEF & PPCB APPROVED, ISO 9001:2008
ISO 18001:2007 ISO 14001:2004 CERTIFIED LABORATORY

Rauza, Sharif

TEST CERTIFICATE

REPORT NO: IH/2016/04/01(N) REPORTING DATE: 27.04.2016

NAME OF INDUSTRY: M/s IMPERIAL HIGHWAYS HERITAGE CONSERVATION, & VISITOR FACILITIES, DEVELOPMENT LOT NO. - II, CONSERVATION OF TOMBS & RAUZA SHARIF, IN FATEHGARH SAHIB (PB.))

SAMPLE PARTICULARS

Sampling Plan Ref. No:	CPTL/NM/08	Type of Sample:	Air Quality w.r.t Noise
Date of Monitoring:	22-04-2016	Sampling Location:	Compound of Rauja Sharif
Sample Identification No:	CPTL/SPL/PB/2016/04/01 (AN)	Environmental Conditions:	Normal
Nature of Sample:	Noise Level	Monitoring Done By:	Afzal Ahmad

S. No.	Location	Value in dB(A)		Test Method
		Day Time (1 Hour)	Night Time (1 Hour)	
01.	Compound of Rauja Sharif	46.5	33.7	CPCB/OSHA
	Prescribed Standard	50	40	--

(Chemist In-Charge)
Date: 27/04/2016
Sumitava Datta

(Authorized Sign.)
Date: 27/04/2016
S. S. Gan
General Manager
Chandigarh Pollution Testing Lab

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law.
- Sample will be destroyed after retention time unless otherwise specified.

CHANDIGARH CONSTRUCTIONS
Chandigarh

Annexure – 4

NoC for Ropar Wetlands

ਨੰ: 1025/ਸਭਮਪ(ਰ) ਮਿਤੀ 21-11-2013
ਵੱਲੋਂ

ਸਹਾਇਕ ਡਾਇਰੈਕਟਰ ਮੱਛੀ ਪਾਲਣ,
ਰੂਪਨਗਰ।

ਸੇਵਾਵਿਖੇ,

ਚੀਫ ਜਨਰਲ ਮੈਨੇਜਰ,
ਪੰਜਾਬ ਹੈਰੀਟੇਜ ਐਂਡ ਟੂਰਿਜ਼ਮ ਪ੍ਰਮੋਸ਼ਨ ਬੋਰਡ,
ਚੰਡੀਗੜ੍ਹ।

ਵਿਸ਼ਾ: Finalization of IDIPT- ADB Tranche-2, Projects.

ਹਵਾਲਾ: ਆਪ ਜੀ ਦਾ ਪੱਤਰ ਨੰ: PHTPB/IDIPT/2013/Tr-2/229/2494 ਮਿਤੀ 11-11-2013

ਪ੍ਰਿਥੇਕਤਾ ਵਿਸ਼ੇ ਤੇ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਦੇ ਸਬੰਧ ਵਿੱਚ ਆਪ ਜੀ ਨੂੰ ਸੂਚਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ, ਕਿ ਟੂਰਿਜ਼ਮ ਵਿਭਾਗ ਵੱਲੋਂ ਮੱਛੀ ਪ੍ਰੰਗ ਫਾਰਮ ਕੰਟਲੀ ਵਿਖੇ ਐਕੁਏਰੀਅਮ-ਕਮ-ਅਵੇਅਰਨੈਸ ਸੈਂਟਰ ਦੀ ਸਥਾਪਨਾ ਕਰਨ ਲਈ ਮਾਨਯੋਗ ਮੁੱਖ ਸਕੱਤਰ ਪੰਜਾਬ ਜੀ ਦੀ ਪ੍ਰਧਾਨਗੀ ਹੇਠ ਮਿਤੀ 26-3-2008 ਨੂੰ ਹੋਈ ਮੀਟਿੰਗ ਵਿੱਚ ਲਏ ਗਏ ਫੈਸਲੇ ਅਨੁਸਾਰ ਸਕੱਤਰ ਪਸ਼ੂ ਪਾਲਣ, ਮੱਛੀ ਪਾਲਣ ਅਤੇ ਡੇਅਰੀ ਵਿਕਾਸ ਵਿਭਾਗ ਜੀ ਵੱਲੋਂ ਡਾਇਰੈਕਟਰ ਟੂਰਿਜ਼ਮ ਪੰਜਾਬ ਚੰਡੀਗੜ੍ਹ ਜੀ ਨੂੰ ਪ੍ਰਧਾਨਗੀ ਦਿੱਤੀ ਜਾ ਚੁੱਕੀ ਹੈ (ਪੱਤਰ ਦੀ ਨਕਲ ਨੱਥੀ ਹੈ)। ਪਾਰਜਿੰਗ ਲਈ ਜਗ੍ਹਾ ਅਤੇ ਪਾਥ ਵੇਅ ਬਨਾਉਣ ਸਬੰਧੀ ਮਾਨਯੋਗ ਵਿੱਤੀ ਕਮਿਸ਼ਨਰ ਪਸ਼ੂ ਪਾਲਣ, ਮੱਛੀ ਪਾਲਣ ਅਤੇ ਡੇਅਰੀ ਵਿਕਾਸ ਵਿਭਾਗ ਪੰਜਾਬ ਜੀ ਦੀ ਪ੍ਰਧਾਨਗੀ ਹੇਠ ਮਿਤੀ 17-7-2009 ਨੂੰ ਮਿੰਨੀ ਸਕਤਰੇਜ ਚੰਡੀਗੜ੍ਹ ਵਿਖੇ ਹੋਈ ਮੀਟਿੰਗ ਵਿੱਚ ਲਏ ਗਏ ਫੈਸਲੇ ਅਨੁਸਾਰ ਇਜਾਜ਼ਤ ਦੇ ਦਿੱਤੀ ਗਈ ਸੀ (ਕਾਰਵਾਈ ਦੀ ਕਾਪੀ ਨੱਥੀ ਹੈ) ਅਤੇ ਡਾਇਰੈਕਟਰ ਡੇ ਵਾਰਡਨ ਮੱਛੀ ਪਾਲਣ, ਵਿਭਾਗ ਪੰਜਾਬ ਜੀ ਦੇ ਆਪ ਜੀ ਵੱਲੋਂ ਮੀਮੋ ਨੰ: 12/3/09/ਐਫ.ਈ.ਓ/ਜੀਏ/11971 ਮਿਤੀ 25-9-09 ਰਾਹੀਂ ਇਤਰਾਜ਼ਹੀਣਤਾ ਸਰਟੀਫਿਕੇਟ ਜਾਰੀ ਕੀਤਾ ਜਾ ਚੁੱਕਾ ਹੈ, ਜੀ (ਕਾਪੀ ਨੱਥੀ ਹੈ)।

ਇਸ ਆਪ ਜੀ ਦੇ ਧਿਆਨ ਵਿੱਚ ਲਿਆਇਆ ਜਾਂਦਾ ਹੈ, ਕਿ ਆਪ ਜੀ ਦੇ ਵਿਭਾਗ ਵੱਲੋਂ ਮੱਛੀ ਪ੍ਰੰਗ ਫਾਰਮ ਕੰਟਲੀ (ਰੂਪਨਗਰ) ਵਿਖੇ ਐਕੁਏਰੀਅਮ-ਕਮ-ਅਵੇਅਰਨੈਸ ਸੈਂਟਰ ਦੀ ਉਸਾਰੀ ਦਾ ਕੰਮ ਜੁਲਾਈ 2012 ਦੇ ਆਖਰੀ ਹਫਤੇ ਸ਼ੁਰੂ ਕੀਤਾ ਗਿਆ ਸੀ ਅਤੇ ਇੱਕ ਹਫਤੇ ਬਾਦ ਹੀ ਇਹ ਕੰਮ ਬੰਦ ਕਰ ਦਿੱਤਾ ਗਿਆ। ਇਹ ਆਪ ਜੀ ਦੀ ਸੂਚਨਾ ਤੇ ਅਗਲੇਰੀ ਕਾਰਵਾਈ ਹਿੱਤ ਹੈ, ਜੀ।

ਨੱਥੀ ਉਕਤ ਅਨੁਸਾਰ


ਸਹਾਇਕ ਡਾਇਰੈਕਟਰ ਮੱਛੀ ਪਾਲਣ,
ਰੂਪਨਗਰ।

ਪਿੱਠ ਅੰਕਣ ਨੰ: 1025/ਸਭਮਪ(ਰ) ਮਿਤੀ 21-11-2013

ਉਤਾਰਾ ਡਾਇਰੈਕਟਰ ਡੇ ਵਾਰਡਨ ਮੱਛੀ ਪਾਲਣ ਵਿਭਾਗ, ਪੰਜਾਬ ਚੰਡੀਗੜ੍ਹ ਜੀ ਨੂੰ ਉਨ੍ਹਾਂ ਦੇ ਇਸ ਦਫਤਰ ਵੱਲ ਮੀਮੋ ਨੰ: 12/3/09/ਐਫ.ਈ.ਓ/ਜੀਏ/12063 ਮਿਤੀ 19-11-2013 ਦੇ ਸਬੰਧ ਵਿੱਚ ਸੂਚਨਾ ਹਿੱਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ, ਜੀ।


ਸਹਾਇਕ ਡਾਇਰੈਕਟਰ ਮੱਛੀ ਪਾਲਣ,
ਰੂਪਨਗਰ।

272

DATE : DECEMBER 18, 2013

NO OBJECTION CERTIFICATE & UNDERTAKINGS

I do hereby certify that the Department of forests and Wildlife Preservation, Punjab has no objection in recommending the proposed project to be taken under IDIPT-PB for execution and development as per the guidelines laid by GOI and ADB for loan funded projects for the states of Punjab.

I hereby certify that; *(Ropar Eco-Tourism Project)*

- 1) The Proposed project Area/Building /Land (Ropar Wet Land Wildlife Sanctuary) is under the ownership of Punjab Forest Department and presently under the possession of Department of Forest and Wildlife Preservation .
- 2) The Proposed Project Area /Building/Land is free from all encumbrances (Legal/Circumstantial)
- 3) There is no Resettlement / Displacement / Rehabilitation of people involved in the above proposed project Area/Building /Land
- 4) The Proposed Project Area /Building/Land is not Partially / Fully part of any other project funded under State Govt/GOI/External funding schemes
- 5) This Department will taken operation and maintenance of the assets created as a result of the development /execution of the proposed project under the IDIPT.

A/
D for W
Ropar

(Signature)
Chief Wildlife Warden
Head of the department
(Name of the department)
Punjab

NoC for Harike Wetlands

260
30-5-13

1705
13161217

Government of Punjab
Department of Forests and Wildlife Preservation
O/o Chief Wildlife Warden, Punjab,
Forest Complex, 2nd Floor, 2 No. Tower,
Sector - 68, Ajitgarh (Mohali)
Phone: 0172-2298010, 2298000 (Ext. 2201)
Fax: 0172-2298036.

No: 1190.

To

The Project Director,
IDIPT, Chandigarh.

Dated: 27/5/13.

Subject **Project on Development of Ferozepur as a Tourism Destination - Harike Wildlife Sanctuary through IDIPT for Punjab to be taken up in Tranche-2 ADB Project.**

Reference **In continuation of this office letter No. 7018 dated 25.3.2013**

A copy of above cited Project is submitted for your consideration. Total Project Cost is ₹114.56 lacs. This Project was prepared by Divisional Forest Officer (Wildlife), Harike and thoroughly discussed at District Level Committee. The Project was further scrutinized on 10.5.2013 at joint meeting between Forest Department and IDIPT. It is further submitted that:

1. This department strongly recommends this Project.
2. This department has no objection if the Project is taken up with the assistance of ADB.
3. The department will take operation and maintenance responsibility of assets created through this Project.
4. It is certified that no resettlement of people is involve in implementation of this Project.

Encl. As above.

Shivinder Chahal
Chief Wildlife Warden,
Punjab, Ajitgarh.

Much better! desirable! Examine
the kind out where are all
the trees that were in Region

4.6.13

PM (Punjab)

HANDIGARH

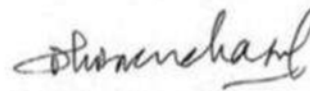
DATE: MAY 23, 2013

NO OBJECTION CERTIFICATE & UNDERTAKINGS

I do hereby certify that the Department of Forests and Wildlife Preservation, Punjab has no objection in recommending the proposed project to be taken under IDIPT-PB, PHTPB for execution and development as per the guidelines laid by GoI and ADB for loan funded projects for the State of Punjab.

I hereby certify that;

- ☐ The Proposed Project Area/ Building/ Land (Harike Wildlife Sanctuary) is under the ownership of Punjab Forest Department and presently under the possession of Department of Forests and Wildlife Preservation.
- ☐ The Proposed Project Area/ Building/ Land is free from all encumbrances (Legal/Circumstantial).
- ☐ There is no Resettlement/ Displacement/ Rehabilitation of people involved in the above Proposed Project Area/ Building/ Land
- ☐ The Proposed Project Area/ Building/ Land is not Partially/ Fully part of any other project funded under State Govt/GoI/External funding schemes.
- ☐ This department will take operation and maintenance of the assets created as a result of the development/execution of the proposed project under the IDIPT.



**Head of the department
(Name of the department)**

Annexure – 5

PACKAGE 4/3: Eco-tourism Development at Ropar and Harike Wetlands (Civil Works)

Noise Quality Monitoring

"Laboratory is a Temple where Search for Truth is actually made"
ESTD-1974



**DR. UPPAL'S
TESTING & ANALYTICAL
LABORATORY (P) LTD.**
A GOVT. APPROVED LABORATORY

Cell : 09779180240, 09872622353
09888016830
Phones : Off. 0172-5097240,
Tel/Fax : 0172-2212240
Website : www.utalabindia.com
Grams : UTALAB

SPECIALIST IN :
Soil Investigation & Testing for all types of Structure
Metallurgical Testing, Material Testing, Bit Design
(Concrete, Bituminous, Mastic, Tarmac etc.)
Assessment of Road Grout/Overlay Thickness by
CBR and Benkelman Beam Deflection Techniques
Water Testing for Industrial, Drinking & Construction
purpose etc.

WORKS : 240, Industrial Area,
Phase IX, S.A.S. Nagar, Mohali
Email : servicesutalabindia@yahoo.com
services@utalabindia.com




ISO 9001:2008
Quality Management System
Cert. No. 11362

TEST REPORT

To, The Project Manager Punjab Heritage & Tourism Promotion Board. P/U Ropar.	Lab. ID No. : UTALAB/5237/4b Date of Issue : 05.05.2016 Date of receipt : 03.05.2016 Your Ref. : Verbal Specification Followed : CPCB
Description: Noise Monitoring.	

Monitoring equipment: LUTRON, SOUND LEVEL METER.

Time of sampling: DAY TIME

Name of work: Eco Tourism Development of Harike and Ropar Wetlands.

TEST RESULTS:

Sl. No.	Location	Readings Db (A)		Av. Level in Db (A)	CPCB Limits
		Min.	Max.		
1.	Near RMB and LMB at Hareke	45	51	48	Max 50 dB (A)

Remarks: Client asked for above tests only.

ANALYSED BY
ANALYST



A.K. Dimri
Technical Manager
AUTHORISED SIGNATORY

NOTES :

1. Sample collected by the client laboratory.
2. The results relate only to the sample tested.
3. Test certificate shall not be reproduced in full or part & cannot be used as an evidence in the courts of law without the written approval of the laboratory.

Samples will be destroyed after one month from the date of test report unless otherwise specified Samples liable to decompose will be destroyed after testing.

Ambient Air Quality

"Laboratory is a Temple where Search for Truth is actually made"
ESTD-1974



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Grams : UTALAB

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(Concrete, Bituminous, Mastic, Filtermedia)
Assessment of Road Crust/Overlay Thickness by
CBR and Benkelman Beam Deflection Techniques,
Water Testing for Industrial, Drinking & Construction
purpose etc.



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Quality Management System
Cert. No. 11382

WORKS : 240, Industrial Area,
Phase IX, S.A.S. Nagar, Mohali
Email : servicesutalabindia@yahoo.com
services@utalabindia.com

TEST REPORT

To, The Project Manager Punjab Heritage & Tourism Promotion Board. P/U Ropar.	Lab. ID No. : UTALAB/5237/4a
Description: Ambient air quality. Sampling on 03.05.2016.	Date of Issue : 05.05.2016
	Date of receipt : 03.05.2016
	Your Ref. : Verbal
	Method Followed : IS: 5182

Description: Ambient air quality has been checked on 03.05.2016 by using the high volume sampler.

Name of work: Eco Tourism Development of Harike and Ropar Wetlands.

Location: Near RMB and LMB at Harike.

Sl. No.	Parameters	Results	Limits (Max.)
			Ecologically Sensitive Area
1.	Suspended Particulate Matter (SPM)- $\mu\text{g}/\text{m}^3$	83.5	100
2.	Sulphur Oxide (SO_x)- $\mu\text{g}/\text{m}^3$	2.6	80
3.	Nitrogen Oxide (NO_x)- $\mu\text{g}/\text{m}^3$	0.014	80
4.	Carbon monoxide (CO)- $\mu\text{g}/\text{m}^3$	Nil	02

Remarks: The above samples of ambient air monitored at above locations conforms to national ambient air quality schedules. CPCB notification.

ANALYSED BY
ANALYST

A. K. Dimri
Technical Manager
AUTHORISED SIGNATORY

Annexure – 6

NoC from Chief Wildlife warden for Chhatbir Zoo

Government of Punjab
Department of Forests and Wildlife Preservation
O/o Chief Wildlife Warden, Punjab,
Forest Complex, 2nd Floor, 2 No. Tower,
Sector - 68, Ajitgarh (Mohali)
Phone: 0172-2298010, 2298000 (Ext. 2201)
Fax: 0172-2298036.

NO. PWD/1620
Date: 27/5/2013

No: 1142

To
The Project Director,
IDIPT, Chandigarh.

Dated: 24/5/13.

Subject **Project on Development and Expansion of visitor's amenities at Chhatbir Zoo through IDIPT for Punjab to be taken up in Tranche-2 ADB Project.**

A copy of above cited Project is submitted for your consideration. Total Project Cost is ₹9.99 crores. This Project was prepared by Field Director, M.C. Zoological Park, Chhatbir and thoroughly discussed at District Level Committee. The Project was further scrutinized on 10.5.2013 at joint meeting between Forest Department and IDIPT. It is further submitted that:

1. This department strongly recommends this Project.
2. This department has no objection if the Project is taken up with the assistance of ADB.
3. The department will take operational and maintenance responsibility of assets created through this Project.
4. It is certified that no resettlement of people is involve in implementation of this Project.

Encl. As above.

Shirun Chahal Singh
Chief Wildlife Warden,
Punjab, Ajitgarh.

Endst. No. _____ Dated: _____

A copy is sent to the Field Director, M.C. Zoological Park, Chhatbir w.r.t. his letter No. 181-82 dated 15.4.2013 for information and further necessary action.

Chief Wildlife Warden,
Punjab, Ajitgarh.

Annexure – 7

PACKAGE 5/4: Eco-Tourism Development of Wildlife Zoo

Noise Quality Monitoring


ESTD-1974

**DR. UPPAL'S
TESTING & ANALYTICAL
LABORATORY (P) LTD.**
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09888016830
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Tel/Fax : 0172-2212240
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Grams : UTALAB

SPECIALIST IN :
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Metallurgical Testing, Material Testing, Mix Designs
(Concrete, Bituminous, Mortar, Filtermedia)
Assessment of Road Crust/Overlay Thickness by
CBR and Benkelman Beam Deflection Techniques,
Water Testing for Industrial, Drinking & Construction
purpose etc.

WORKS : 240, Industrial Area,
Phase IX, S.A.S. Nagar, Mohali
Email : servicesutalabindia@yahoo.com
services@utalabindia.com



JAS-ANZ
C
ISO 9001:2008
Quality Management System
Cert. No. 11382

TEST REPORT

To The Project Manager Punjab Heritage & Tourism Promotion Board Ropar.	<table style="width: 100%;"> <tr> <td style="width: 30%;">Lab. ID No.</td> <td>: UTALAB/5173/2b</td> </tr> <tr> <td>Date of Issue</td> <td>: 19.02.2016</td> </tr> <tr> <td>Date of receipt</td> <td>: 17.02.2016</td> </tr> <tr> <td>Your Ref.</td> <td>: Verbal</td> </tr> <tr> <td>Specification Followed</td> <td>: IS: 5182</td> </tr> </table>	Lab. ID No.	: UTALAB/5173/2b	Date of Issue	: 19.02.2016	Date of receipt	: 17.02.2016	Your Ref.	: Verbal	Specification Followed	: IS: 5182
Lab. ID No.	: UTALAB/5173/2b										
Date of Issue	: 19.02.2016										
Date of receipt	: 17.02.2016										
Your Ref.	: Verbal										
Specification Followed	: IS: 5182										

Description: Noise Monitoring.

Monitoring equipment: EUTRON, SOUND LEVEL METER.

Time of sampling: DAY TIME

Location of Site: Eco-Tourism Development of Wild Life Zoo, Chhatbir.

TEST RESULTS:

No.	Location	Readings Db (A)		Av. Level in Db (A)	CPCB Limits in Residential area
		Min.	Max.		
1	Near Construction site of food plaza & Interpretation Centre	34	46	40	55 Db (A) Max.

Remarks: Client asked for above tests only.

ANALYSED BY
[Signature]

A.K. Dimri
Technical Manager
AUTHORISED SIGNATORY

Ambient Air Quality

"A temple where Search for Truth is actually made"
ESTD-1974

**DR. UPPAL'S
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LABORATORY (P) LTD.**
A GOVT. APPROVED LABORATORY

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Tel/Fax : 0172-2212240
Website : www.utalabindia.com
Grams : UTALAB

SPECIALIST IN :
Soil Investigation & Testing for all types of Structure
Nondestructive Testing, Material Testing, Mix Design
(Concrete, Bituminous, Masonry, Filtermedia)
Assessment of Road Cracks/Overlays Thickness by
CBR and Benkelman Beam Deflection Techniques.
Water Testing for Industrial, Drinking & Construction
purpose etc.

WORKS : 240, Industrial Area,
Phase IX, S.A.S. Nagar, Mohali
Email : services@utalabindia.com@yahoo.com
services@utalabindia.com

ISO 9001:2008
Quality Management System
Cert. No. 11382

TEST REPORT

To The Project Manager Punjab Heritage & Tourism Promotion Board Ropar.	Lab. ID No. : UTALAB/S173/2a Date of Issue : 19.02.2016 Date of receipt : 17.02.2016 Your Ref. : Verbal Specification Followed : IS: 5182
Description: Ambient air quality, Sampling on 17.02.2016	

Description: Ambient air quality has been checked on 17.02.2016 by using the high volume sampler.

Name of Site: Eco-Tourism Development of Wild Life Zoo, Chhatbir.

Location: At main entrance gate near food plaza & Interpretation Centre

Sl. No.	Parameters	Results	Limits (Max.) Ecologically Sensitive Area
1.	Suspended Particulate Matter (SPM)- $\mu\text{g}/\text{m}^3$	82.6	100
2.	Sulphur Oxide (SO_2)- $\mu\text{g}/\text{m}^3$	1.2	80
3.	Nitrogen Oxide (NO_2)- $\mu\text{g}/\text{m}^3$	0.04	80
4.	Carbon monoxide (CO)- $\mu\text{g}/\text{m}^3$	Nil	02

Remarks: The above samples of ambient air monitored at above locations conforms to national ambient air quality schedules. CPCB notification.

ANALYSED BY
ANALYST

A.K. Dimri
Technical Manager
AUTHORISED SIGNATORY

Sample collected by the client laboratory.
 The results relate only to the sample tested.
 Test certificate shall not be reproduced in full or part & cannot be used as an evidence on the basis of this without the written approval of the laboratory.
 Samples will be destroyed after one month from the date of test report unless otherwise specified. Samples liable to destruction after testing.

Annexure – 8

NoC/ clearance from Cultural Affairs, Archaeology and Museums, Punjab for Qila Mubarak

<u>NO OBJECTION CERTIFICATE</u>	
It is certified that there is no objection if the proposed project	
QILA MUBARAK, PATIALA (name of the project)	
is executed by PHTPB of the Tourism Department (Punjab) as per the guide lines of	
Govt. of India and ADB loan funded projects under IDIPT at ...PATIALA.....	
<div>→ → → →</div> <div>(details of land/area/ building)</div> <div>→ → → →</div>	
Place: Chandigarh	Signature: 
Date: 27/8/14	Department /owner
(Official Stamp)	
Counter Signed	Director, Cultural Affairs Archaeology & Museums, Punjab, Chandigarh
	
Deputy Commissioner	
Deputy Commissioner	
PATIALA	
(Official Stamp)	

CERTIFICATE AND UNDERTAKING

It is certified that: -

1. The QILA NUBARAK, PATIALA
(details of land/area/ building) Where
the DEVELOPMENT OF QILA NUBARAK, PATIALA
(name of the project) project is proposed, for
execution by PHTPB of the Tourism Department (Punjab), is under the ownership of
DEPT. OF CULTURE and is
(Details of the owner)
under the possession of
(Details of possessor)
Dept. of Cultural Affairs

2. There is NO encroachment and NO resettlement/displacement/rehabilitation of people involved in the above Proposed Project area/building/land.

3. The proposed Project is not Partially/Fully part of any other project funded under any other scheme/programme of the State/Central Govt. or any external funding.

4. The assets created as a result of the execution of above stated project will be taken over for operation and maintenance by
(Name of the department/organization)

Dept. of Cultural Affairs

Place: Chandigarh

Date: 27/8/14

Signature YMP-61

Department/Organisation/Owner
(Official Stamp)

Counter Signed **Director,
Cultural Affairs Archaeology &
Museums, Punjab, Chandigarh**

Deputy Commissioner
(Official Stamp)

Annexure – 9

PACKAGE 6/5: Patiala Heritage Conservation and Tourism Development Project (Qila Mubarak)

Noise Quality Monitoring

 **INDUSTRIAL TESTING LABORATORY & CONSULTING HOUSE**
(A GOVT. APPROVED TEST HOUSE)

& Regd. Office : Ghalori Gate, Patiala (Pb.) 147 001 Ph. : 0175-2322224, 2320175 (M) 92164-21540, 92161-21540 Email : itlchpatiala@gmail.com

NOISE MONITORING ANALYSIS REPORT

Test Report No. : ITL/ED/05.16.01
Dispatch Date : 16/05/2016

1.	Laboratory Sample No.	ITL/05-16/72/SMR/01-02
2.	Issued To	Support Engineer, Project Implementation Unit-Ropar #320, Giani Zia Singh Nagar, Ropar.
3.	Project	Patiala Heritage Conservation and Tourism Development Project/Qila Mubarak-Ref. No. PIU-Ropar/Tr-3/QM/2016/13
4.	Type of sample	Noise Level
5.	Date of sampling	14/05/2016

Test Results

Sr. No.	Location of Noise Measurement	Noise Level in dB(A) DayTime (Leq)
1.	Near construction site	71
2.	At qila	50
Regulatory Standards in respect of Noise		75dB (A)

Note: Daytime shall mean from 6.00a.m. to 10.00 p.m. Noise Pollution (Regulation and Control) Rules, 2000


ANALYST


AUTHORIZED SIGNATORY

NOTE:

1. Total liability of our laboratory is limited to the services rendered.
2. Report is valid for self-monitoring purposes of the industry only.
3. Sample will be destroyed after one month from the date of issue of test certificate unless otherwise specified.
4. All drawings are subject to Patiala jurisdiction.
5. This report is not to be produced wholly or in part as evidence in the court of law and should not be used to seek advertising or any other financial benefit without our special permission in writing.
6. Party asked for the above parameters only.

Ambient Air Quality



INDUSTRIAL TESTING LABORATORY & CONSULTING HOUSE

(A GOVT. APPROVED TEST HOUSE)

Works & Regd. Office : Ghalori Gate, Patiala (Pb.) 147 001 Ph. : 0175-2322224, 2320175 (M) 92164-21540, 92161-21540 Email : itlchpatiala@gmail.com

AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Test Report No. : ITL/05.17.01

Dispatch Date : 17/05/2016

1.	Laboratory Sample No.	ITL/05-16/72/SMR/01
2.	Issued to	Support Engineer, Project Implementation Unit-Ropar #320, Giani Zia Singh Nagar, Ropar.
3.	Project	Patiala Heritage Conservation and Tourism Development Project(Qila Mubarak)-Ref. No. PIU-Ropar/Tr-3/QM/2016/11
4.	Type of Sample	Ambient Air Quality Monitoring
5.	Date of commencement of sample	14/05/2016
6.	Location of Sample Collection	Near Construction site.

Test Results

Sr. No.	Parameters	Results	Regulatory Standards (NAAQS)	Test method
1.	PM-10, ($\mu\text{g}/\text{m}^3$)	98	100	IS 5182(Part-23) : 2006
2.	PM-2.5, ($\mu\text{g}/\text{m}^3$)	55	60	IS 5182(Part-23) : 2006
3.	Oxides of Sulphur SO_2 , ($\mu\text{g}/\text{m}^3$)	9.0	80	IS 5182(Part-2) : 2001
4.	Oxides of Nitrogen NO_2 , ($\mu\text{g}/\text{m}^3$)	17	80	IS 5182(Part-6) : 2006
5.	Carbon monoxide CO , (mg/m^3)	N.D.	2.0	CO meter

ND: Not Detected.


ANALYST


AUTHORIZED SIGNATORY

NOTE:

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3. Sample will be destroyed after one month from the date of issue of test certificate unless otherwise specified.
4. All disputes are subject to Patiala jurisdiction.
5. This report is not to be produced wholly or in part as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
6. Party asked for the above parameters only.

Annexure – 10

Noise Quality Monitoring



ISO 9001 : 2008

Industrial Testing Laboratory & Consulting House

(A Govt. Approved Laboratory)

Analysis Report

AMBIENT AIR QUALITY MONITORING REPORT

Test Report No. : ITL/ED/01

Dispatch Date : 20/07/2016

1.	Laboratory Sample No.	ITL/07-16/120/01
2.	Issued to	M/S CONSTRUCTION TECHNIQUE RAJDEEPJ.V. MAHARASTRA (GOBINDGARH FORT)
3.	Name of sample collecting officer	Mr. Dharmber Prajapat & ITLCH Team
4.	Type of sample	Ambient Air Quality Monitoring
5.	Date of sample collection	15/07/2016 at 08.14 am
6.	Date of sample receipt in lab	16/07/2016 at 10.00 pm
7.	Location of sample collection	Inside Gobindgarh Fort

Test Results

SN	Parameters	Results	Regulatory Standards (NAAQS)*	Test Method followed
1.	Particulate Matter, (size <10 µm), or PM ₁₀ , µg/m ³	71	100	IS: 5182 (Part-23) 2006, (RA2009)
2.	Particulate Matter, (size <2.5 µm), or PM _{2.5} , µg/m ³	57	60	IS: 5182 (Part-23) 2006, (RA2009)
3.	Sulphur Dioxide, (SO ₂), µg/m ³	10	80	IS: 5182 (Part 2) : 2001, (RA 2012)
4.	Nitrogen Dioxide, (NO ₂), µg/m ³	14	80	IS: 5182 (Part 6) : 2006, (RA 2012)
5.	Carbon Monoxide, (CO), mg/m ³	Not Detected	2.0	IS: 5182 (Part 10) 1999, (RA 2003)

*NAAQS:-National ambient air quality standards

ANALYST

AUTHORIZED SIGNATORY
(QM & TM)

- NOTE:-
1. Total liability of our laboratory is limited to the invoiced amount.
 2. Report is valid for self-monitoring purposes of the industry only as per environmental protection act 1986.
 3. Sample will be destroyed after one month from the date of issue of test certificate unless otherwise specified.
 4. This report is not to be produced wholly or in part as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.

Ambient Air Quality Monitoring



ISO 9001 : 2008

Industrial Testing Laboratory & Consulting House

(A Govt. Approved Laboratory)

Analysis Report

NOISE LEVEL MONITORING ANALYSIS REPORT

Test Report No. : ITL/ED/02
Dispatch Date : 20/07/2016

1.	Laboratory Sample No.	ITL/07-16/120/02
2.	Issued to	M/S CONSTRUCTION TECHNIQUE RAJDEEPJ.V. MAHARASTRA (GOBINDGARH FORT)
3.	Name of sample collecting officer	Mr. Dharmber Prajapat & ITLCH Team
4.	Type of sample	Noise Level
5.	Date of sample collection	15/07/2016
7.	Location of sample collection	Inside Gobindgarh Fort

Test Results

SN	Location of Sample Collection	Noise Level - Day Time (Leq)	Test Method
1.	Inside Fort	60.2	IS:9989:1981 R-2002
Regulatory Standards		65 dB (A)	


ANALYST

AUTHORIZED SIGNATORY



(QM & TM)

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Ghalori Gate, Patiala (Pb.) Ph. 0175-2320175, 2322224, (M) 99155-84242
Email : itlchpatiala@gmail.com Website : www.itlch.com

Annexure – 11



ISO 9001 : 2008

Industrial Testing Laboratory & Consulting House

(A Govt. Approved Laboratory)

Analysis Report

AMBIENT AIR QUALITY MONITORING REPORT

Test Report No. : ITL/ED/05
Dispatch Date : 20/07/2016

1.	Laboratory Sample No.	ITL/07-16/122/01
2.	Issued to	M/S SRISHTI CONSTRUCTION SCO-2, IIIRD FLOOR, PUDA COMPLEX LADOWALI ROAD, JALANDHAR CITY, PUNJAB (ATTARI BORDER PARKING)
3.	Name of sample collecting officer	Mr. Dharmber Prajapat & ITLCH Team
4.	Type of sample	Ambient Air Quality Monitoring
5.	Date of sample collection	15/07/2016 at 10.50 am
6.	Date of sample receipt in lab	16/07/2016 at 10.00 pm
7.	Location of sample collection	Near Parking area Attari Amritsar

Test Results

SN	Parameters	Results	Regulatory Standards (NAAQS)*	Test Method followed
1.	Particulate Matter, (size <10 µm), or PM ₁₀ , µg/m ³	66	100	IS: 5182 (Part-23) 2006, (RA2009)
2.	Particulate Matter, (size <2.5 µm), or PM _{2.5} , µg/m ³	50	60	IS: 5182 (Part-23) 2006, (RA2009)
3.	Sulphur Dioxide, (SO ₂), µg/m ³	11	80	IS: 5182 (Part 2) : 2001, (RA 2012)
4.	Nitrogen Dioxide, (NO ₂), µg/m ³	18	80	IS: 5182 (Part 6) : 2006, (RA 2012)
5.	Carbon Monoxide, (CO), mg/m ³	Not Detected	2.0	IS: 5182 (Part 10) 1999, (RA 2003)

*NAAQS:-National ambient air quality standards


ANALYST


AUTHORIZED SIGNATORY
(QM & TM)

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3. Sample will be destroyed after one month from the date of issue of test certificate unless otherwise specified.
4. This report is not to be produced wholly or in part as an evidence in the court of law and should not be used in any legal proceedings without our special permission in writing.

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ISO 9001 : 2008

Industrial Testing Laboratory & Consulting House

(A Govt. Approved Laboratory)

Analysis Report

NOISE LEVEL MONITORING ANALYSIS REPORT

Test Report No. : ITL/ED/06

Dispatch Date : 20/07/2016

1.	Laboratory Sample No.	ITL/07-16/122/02
2.	Issued to	M/S SRISHTI CONSTRUCTION SCO-2, IIIRD FLOOR, PUDA COMPLEX LADOWALI ROAD, JALANDHAR CITY, PUNJAB (ATTARI BORDER PARKING)
3.	Name of sample collecting officer	Mr. Dhamber Prajapat & ITLCH Team
4.	Type of sample	Noise Level
5.	Date of sample collection	15/07/2016
6.	Location of sample collection	Near Parking Area Attari Amritsar

Test Results

SN	Location of Sample Collection	Noise Level - Day Time (Leq)	Test Method
1.	Near Parking Area	63.0	IS:9989:1981 R-2002
Regulatory Standards		65 dB (A)	

dB (A) Leq: denotes the time weighted average of the level of sound in decibels on scale (A) which is relatable to human hearing.
**Leq: It is energy mean of the noise level over the specified period.

Note: Day time shall mean from 6.00a.m. to 10.00 P.M. Night time shall mean from 6.00a.m. to 10.00 P.M.


ANALYST



AUTHORIZED SIGNATORY

(QM & TM)

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