



Environmental Monitoring Report

Project Number: 40648-023
August 2016

Period: January 2016 – March 2016

IND: Infrastructure Development Investment Program for Tourism - Tranche 1

Submitted by

Project Management Unit, Punjab Heritage and Tourism Board, Chandigarh

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Asian Development Bank

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Punjab Heritage and Tourism Promotion Board
Infrastructure Development Investment Programme for Tourism (IDIPT)
(ADB Assisted Project)

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To,

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No. PHTPB/IDIPT/2016/50/2143-47

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Subject : Loan 2676 IND: Infrastructure Development Investment Program
For Tourism – Quarterly Environment Monitoring Progress Report
For tranche – 1 (For Quarters: Ending Jan- March 2016 and April –
June 2016)

As per the comments/ suggestions received from ADB, Safeguard Specialist. The
following Environment Monitoring Progress Reports have been modified and enclosed
for submission to ADB.

-) Tranche 1 (Loan 2676-IND) for Quarter ending March 2016 and
- l) Tranche 1 (Loan 2676-IND) for Quarter ending June 2016


Additional Project Director

CC:

1. PA to PD, IDIPT-PB
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**INFRASTRUCTURE DEVELOPMENT INVESTMENT
PROGRAM FOR TOURISM (IDIPT)**

**Quarterly Environment
Monitoring Progress Report –
Tranche -1**

Quarter Ending March – 2016



**GOVERNMENT OF PUNJAB
Department of Tourism**

Jan - Mar 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. 2676-IND

QUARTERLY ENVIRONMENT MONITORING PROGRESS REPORT

For

Quarter Ending March – 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 – 1 are classified under category "B" since there are no significant impacts that are envisioned due to these sub projects implementation. 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 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

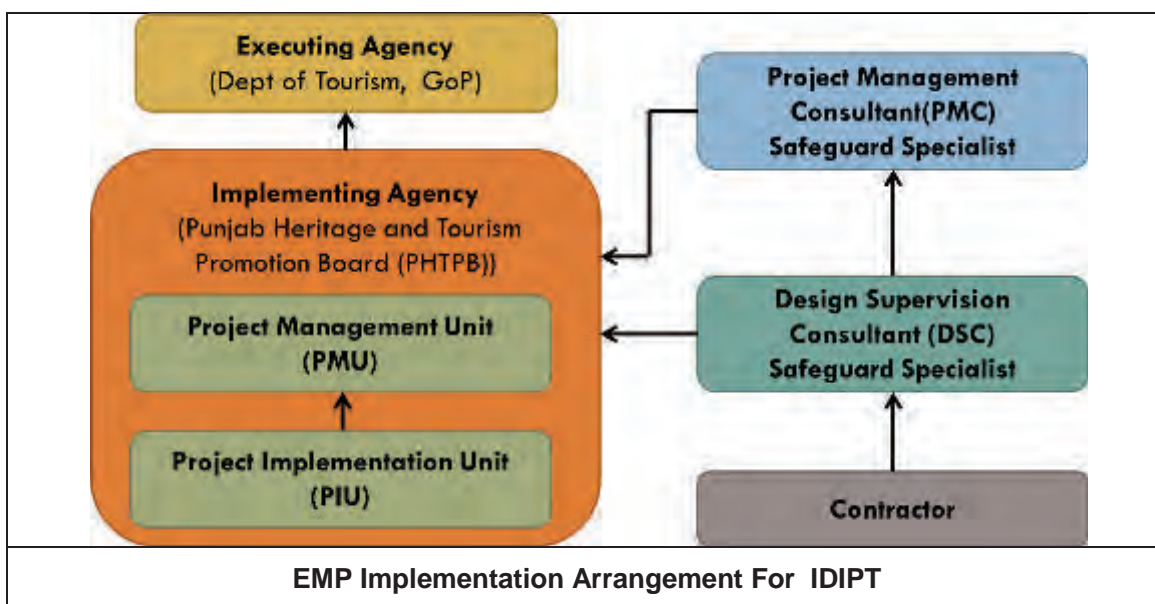
The objectives of carrying out the Environmental Monitoring Program include the following

- To provide a database against which short or long term environmental impacts of the sub projects can be determined;
- To provide an early indication should any of the environmental control measures or practices 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 (DoT), 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 coordinating 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. The 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 I - CONSERVATION AND STRUCTURAL STABILIZATION - GOBINDGARH FORT

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 1						
	Lot-1 North Eastern Bastion	Conservation and structural stabilization of Gobindgarh fort walls and Bastions	01 June 2012	31 May 2016	75%	<ul style="list-style-type: none"> Lime Surkhi Plaster of outer wall is in progress Roofing work and wood work in progress 	Contractor has been requested to expedite the work by providing more labors
	Lot-2 Northern Cells, Eastern Cells, inner Moat walls.	Conservation and structural stabilization of Gobindgarh fort walls and Bastions	07 Feb 2014	31 March 2016	95.0%	<ul style="list-style-type: none"> Inner gate work 	
	Lot -3 Moat	Conservation and structural stabilization of Gobindgarh fort walls and Bastions	15 May 2012	13 August 2014	30%	<ul style="list-style-type: none"> Total Excavation done -6000 cum till date 	<p>Termination letter has been issued to the contractor vide letter dated 19.12.2014.</p> <p>The leftover work / remaining work were taken up in the Tranche 3 (Package 8/9)</p>



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

Package No	SubProject Component/Packages	Clearance/ Approval required	Current Status
Package 1: Conservation and structural stabilization of Gobindgarh fort	Lot-1 North Eastern Bastion	Disposal plan for extraneous material is needed.	Disposal of earth being done as per plan.
	Lot-2 Northern Cells, Eastern Cells, inner Moat walls.	-	-
	Lot -3 Moat	-	-
	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:

Packages	Environmental Safeguard related Loan Covenants	Compliance Status
<p>Package 1: Conservation and structural stabilization of Gobindgarh fort walls, Bastion.</p> <p>Lot-1 North Eastern Bastion Lot-2 Northern Cells, Eastern Cells, inner Moat walls. Lot -3 Moat</p>	<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 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</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 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>



Packages	Environmental Safeguard related Loan Covenants	Compliance Status
	implementation on a regular basis, along with any deviation; and Reports on the implementation of the IEEs and the EMPs are submitted to ADB on a quarterly basis.	Regular environmental monitoring is being performed and report is being submitted to ADB on quarterly basis.

d. Compliance status with Subproject Selection Criteria:

S No	Subproject Selection Criteria	Lot-1 North Eastern Bastion	Lot – 2 Northern Cells, Eastern Cells, inner Moat walls.	Lot -3 Moat
1	Site Description	The project is within the area available in Gobindgarh Fort.	The project is within the area available in Gobindgarh Fort.	The sub project is within the area available in Gobindgarh Fort.
2	Description of proposed improvements	Site clearance, waterproofing for the roof, steel works, wood works, elevation, internal layout, flooring/ roofing.	Conservation of Northern Cells, Eastern Cells, inner Moat walls	1. Removal of excessive and loose earth. 2. Providing Plinth Protection to the Moat walls.
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.	Careful removal of earth and using selected material for Plinth Protection

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 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	Work being carried out as per	Satisfactory	Contractors have been directed to ensure



Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
pre-identified disposal locations.	plan		proper disposal of wastes at site.
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 materials are 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 -1).	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 Quality

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 63.8 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 2.	CPCB noise standard for commercial area is 65 dB (A) for day time and 55 dB (A) for night time.

Ambient Air Monitoring

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	72	100
	PM _{2.5} , µg/m ³	49	60
	Oxides of Sulphur, µg/m ³	14	80
	Oxides of Nitrogen, µg/m ³	19	80
	Carbon monoxide, µg/m ³	Not detected	



Location	Parameter	Value	Standard
		<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 2.</p>	

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
	Package 1: Conservation and structural stabilization of Gobindgarh fort walls, Bastions Lot-1 North Eastern Bastions Lot – 2 Northern Cells, Eastern Cells, inner Moat walls Lot -3 Moat	None	NA	NA	No Grievance s have been recorded so far.



II. PACKAGE 2: ADAPTIVE REUSE OF HISTORIC BUILDING FOR INTERPRETATION AND VISITOR FACILITIES INCLUDING MUSEUM

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
Package 2A: Adaptive reuse of historic building for interpretation and visitor facilities including museum Interpretative galleries restaurants, parking etc.	Lot 1	Entrance gate and Detention center	04 March 2014	03 June 2015	82%	<ul style="list-style-type: none"> Stucco Work is in progress. Toilet block is in progress and plaster is in progress 	
	Lot 2	Nalva gate, Stable	16 April 2014	15 July 2015	52%	<ul style="list-style-type: none"> Lime Plaster is in progress Nanak Shahi brick work is in progress Roof work in progress 	
	Lot 3	Durbar Hall (conservation works)	07 December 2011	06 March 2013	90.5%	<ul style="list-style-type: none"> Wood work for doors and windows in progress. Plastering work in progress 	
	Lot 4	Toshakhana & Coffee House	07 December 2011	06 March 2013	100%	<ul style="list-style-type: none"> Defects are being removed. Wood work for doors and windows is in progress. Plaster work is in progress 	
Package 2B: Adaptive Reuse of historic buildings for interpretation	Lot - 1	Furniture, flooring, point wiring, CCTV system, light fitting, Lighting.	12 May 2015	11 Nov 2016	1.5%	<ul style="list-style-type: none"> Air condition ducting work in progress Anti-termite treatment in progress 	
	Lot - 2	Replica/	12 May	11	-		



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
and visitor facilities at Gobindgarh Fort		diorama/ Mannequin Coins for coins cases	2015	Nov 2016			
	Lot – 3	Audio & visual Display and interactive	19 May 2015	18 Nov 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 2: Adaptive reuse of historic building for interpretation and visitor facilities including museum	Lot 3 Durbar Hall	Disposal plan for extraneous material is needed	Disposal of extraneous material being done as per plan
	Lot 4 Toshakhana & Coffee House	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 Clearances)
		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



Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
			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:

S No	Environmental Safeguard related Loan Covenants	Compliance Status
<p>Package 2: Adaptive reuse of historic building for interpretation and visitor facilities including museum Interpretative galleries restaurants, parking etc. At Gobindgarh fort</p> <p>Lot 3 Durbar Hall Lot 4 Toshakhana & Coffee House</p>	<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 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</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 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>



S No	Environmental Safeguard related Loan Covenants	Compliance Status
	contractually obliged to implement the IEEs and the EMPs, and report on their implementation on a regular basis, along with any deviation; and Reports on the implementation of the IEEs and the EMPs are submitted to ADB on a quarterly basis.	Regular environmental monitoring is being performed and report is being submitted to ADB on quarterly basis.

d. Compliance status with Subproject Selection Criteria:

S. No.	Subproject Selection Criteria	Subproject 3 (Lot 3 Durbar Hall)	Lot 4 Toshakhana & Coffee House
1.	Site Description	The subproject is within the area available in Gobindgarh Fort.	The subproject is within the area available in Gobindgarh Fort.
2.	Description of proposed improvements	Site clearance, removal of plaster, steel works, brick masonry works, elevation, wood works, internal layout, flooring/roofing.	Site clearance, removal of plaster, steel works, brick masonry works, elevation, wood works, internal layout, flooring/roofing.
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 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 labour camps.
4. Consideration to be given for material storage at construction sites.	Adequate space allotted for material storage	Satisfactory	All reusable construction materials like bricks are stacked and covered. All loose materials are being covered from all the sides,



Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
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 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, concrete etc., will be provided with protective footwear and protective goggles.	Work being carried out as per plan	Satisfactory (Photographs are attached as Annexure -1).	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

Location	Value	Standards
Package 2: Adaptive reuse of historic building for interpretation and visitor facilities including museum Interpretative galleries restaurants, parking etc. At Gobindgarh Fort Lot 3 Durbar Hall Lot 4 Toshakhana & Coffee House	The observed value of 63.8 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 2.	CPCB noise standard for commercial area is 65 dB (A) for day time and 55 dB (A) for night time.

Ambient Air Monitoring

Location	Parameter	Value	Standard
Package 2: Adaptive reuse of historic building	PM ₁₀ , µg/m ³	72	100
	PM _{2.5} , µg/m ³	49	60



Location	Parameter	Value	Standard
for interpretation and visitor facilities including museum Interpretative galleries restaurants, parking etc. At Gobindgarh fort Lot 3 Darbar Hall Lot 4 Toshakhana & Coffee House	Oxides of Sulphur, $\mu\text{g}/\text{m}^3$	14	80
	Oxides of Nitrogen, $\mu\text{g}/\text{m}^3$	19	80
	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 2.	

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
	Package 2: Adaptive reuse of historic building for interpretation and visitor facilities including museum Interpretative galleries restaurants, parking etc. At Gobindgarh fort Lot 3 Darbar Hall Lot 4 Toshakhana & Coffee House	None	NA	NA	No Grievances have been recorded so far.



III. PACKAGE 3A: PROVIDING INFRASTRUCTURE UTILITIES SERVICES AT GOBINDGARH FORT- AMRITSAR

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 3 A: Lot - 1	Providing Infrastructure Utilities Services at Gobindgarh Fort- Amritsar	18 Feb, 2013	17 Feb 2014 (Extension granted up to 31 May 2016)	96.5%	<ul style="list-style-type: none"> • Work of Horticulture/Firefighting sump/road gully work is in progress. • Laying of pipe for sprinkler is in progress • Testing of pipe in progress 	
	Lot - 2	Landscape development in the outer and inner zones of the fort complex and monument lighting at GGF	20 June 14	19 Dec 2015 (Extended up to 19 June 2016)	40.0%	<ul style="list-style-type: none"> • Tile and footpath work and core flooring in progress • Cladding work in front avenue in progress 	

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

Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
Package 3 A: Lot -1	Providing Infrastructure Utilities Services at Gobindgarh Fort- Amritsar	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 the 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



Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
		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	Environmental Safeguard related Loan Covenants	Compliance Status
Package 3 A: Providing Infrastructure Utilities Services at Gobindgarh Fort- Amritsar	<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</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>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>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 quarterly basis.</p>

d. Compliance status with Subproject Selection Criteria:

S. No.	Subproject Selection Criteria	Package 3 A: Providing Infrastructure Utilities Services at Gobindgarh Fort- Amritsar
1.	Site Description	The sub project is within the area available in Gobindgarh Fort.
2.	Description of proposed improvements	Water supply, Sewerage, Storm Water, Horticulture, Fire Fighting, Electrical.
3.	Design Criteria	Steps to minimize the Environmental impacts due to proposed utility services of Gobindgarh fort.

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	Designs proposed are in accordance to	Satisfactory	Exposed steel and concrete are barricaded



Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
avoided.	architectural character of place.		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 materials like bricks are stacked and covered. All loose materials are being 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 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, concrete etc., will be provided with protective footwear and protective goggles.	Work being carried out as per plan	Satisfactory (Photographs are attached as Annexure -1).	Continuous monitoring is being carried out 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

Location	Value	Standards
Package 3: Lot 1, Providing Infrastructure Utilities Services at Gobindgarh Fort- Amritsar	The observed value of 63.8 dB (A) is found to be less than the prescribed limits in comparison with the CPCB Noise Quality Standard for	CPCB noise standard for commercial area is 65



Location	Value	Standards
	commercial area/ zone. Noise level monitoring analysis report is attached as Annexure 2.	dB(A) for day time and 55 dB (A) for nighttime.

Ambient Air Monitoring

Location	Parameter	Value	Standard
Package 3: Lot 1, Providing Infrastructure Utilities Services at Gobindgarh Fort- Amritsar	PM ₁₀ , µg/m ³	72	100
	PM _{2.5} , µg/m ³	49	60
	Oxides of Sulphur, µg/m ³	14	80
	Oxides of Nitrogen, µg/m ³	19	80
	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 2.		

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
1.	Package 3: Lot 1, Providing Infrastructure Utilities Services at Gobindgarh Fort- Amritsar	None	NA	NA	No Grievances have been recorded so far.



IV. PACKAGE 5: DEVELOPMENT OF THE TOURIST ACCOMMODATION (CONSERVATION ONLY) - GOBINDGARH FORT, AMRITSAR [NO. PB/ASR/COM1/QENCA/05]

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 5	Site Clearance • Dismantling & Demolition • Brick Masonry • Wood Works • Steel Works • Finishing Works • Roofs & Water Proofing Works • Skylight • External Improvement	02 Jan 2014	01 April 2014 (Extended up to 30 April 2016)	97.5%	• Roof works, plinth protection, brick masonry on parapet, wood works are in progress	

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:	Development of the Tourist Accommodation (Conservation only) - Gobindgarh Fort, Amritsar	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	Not applicable (not in the list of)



Package No	Sub Project Component/ Packages	Clearance/ Approval required	Current Status
		notification, 2006 (and its subsequent amendments)	projects, which requires Environmental Clearances)
		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	Environmental Safeguard related Loan Covenants	Compliance Status
Package 5: Development of the Tourist Accommodation (Conservation only) - Gobindgarh Fort, Amritsar	<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</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>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>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 quarterly basis.</p>

d. Compliance status with Subproject Selection Criteria:

S. No.	Subproject Selection Criteria	Package 5: Development of the Tourist Accommodation (Conservation only) - Gobindgarh Fort, Amritsar
1.	Site Description	The sub project is within the area available in Gobindgarh Fort.
2.	Description of proposed improvements	Site clearance, Dismantling & demolition, Bricks Masonry, Wood Works, Steel Work, finishing works, Roofs and water proofing work, Skylight, External improvement.
3.	Design Criteria	Steps to minimize the environmental impacts due to proposed utility services of Gobindgarh fort.

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	Designs proposed are	Satisfactory	Exposed steel and



Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
concrete structures to be avoided.	in accordance to architectural character of place.		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 materials like bricks are stacked and covered. All loose materials are being 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 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, concrete etc., will be provided with protective footwear and protective goggles.	Work being carried out as per plan	Satisfactory	Continuous monitoring is being carried out 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 (Analysis results are enclosed in the Annexure)

Location	Value	Standards
Package 5, Development of Tourist accommodation (Conservation only) Gobindgarh Fort, Amritsar.	The observed value of 63.8 dB (A) is found to be less than the prescribed limits in comparison with the CPCB Noise Quality Standard for commercial area/ zone.	CPCB noise standard for commercial area is 65 dB(A) for



Location	Value	Standards
	Noise level monitoring analysis report is attached as Annexure 2.	day time and 55 dB (A) for nighttime

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

Location	Parameter	Value	Standard
Package 05, Development of Tourist accommodation (Conservation only) GG Fort, Amritsar.	PM ₁₀ , µg/m ³	72	100
	PM _{2.5} , µg/m ³	49	60
	Oxides of Sulphur, µg/m ³	14	80
	Oxides of Nitrogen, µg/m ³	19	80
	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. Analysis report attached as Annexure 2.		

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
1.	Package 5: Development of Tourist accommodation (Conservation only) GG Fort, Amritsar.	None	NA	NA	No Grievances have been recorded so far.



V. PACKAGE 07: PARKING FACILITY AT ATTARI (PB/ASR/COM3/UISI/07A)

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 07: Parking Facility at Attari.	1. Covered parking with cement concrete flooring (455 cars) 2. Open parking with BM (257 cars) 3. Two wheeler parking in open (237 nos.) 4. First floor parking (428 cars) 5. Bus parking (44 busses) 6. Pedestrian path way, toilets, drivers lounge	10 Sep 2014	09 March 2016 (extended up to 31 Aug 2016)	51.3 %	<ul style="list-style-type: none"> Road works & Toilet block in progress Laying of utility services 	

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

Package No	Sub Project Component/Packages	Clearance/ required	Approval	Current Status
Package 07: Parking Facility at Attari.	Proposed facility located in Attari Border.	Disposal of extraneous material needed	plan for material is	Disposal of extraneous material as per plan.
Other Environmental Regulations				
		The EIA notification, 2006 (and its subsequent amendments)		As per EIA notification dt. 14.09.2006, the sub project on parking facility at Attari mandates Environmental Clearance from State Environment Impact Assessment Authority (SEIAA). The case was considered by the SEIAA in the 65 th meeting held on 04.07.2014 and awarded 'silver



Package No	Sub Component/Project Packages	Clearance/ Approval required	Current Status
			grading' to the project proposal subject to the conditions given in the Environment Clearance (EC). (Enclosed in the Annexure 3).
		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 sub project 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	The consent to Establish (CTE) for Air and Water Act has been obtained from the PPCB as per the specific condition detailed under Part – A of the Environmental Clearance for Construction phase, The CTE has been enclosed in the Annexure – 4.
		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:

S. No.	Environmental Safeguard related Loan Covenants	Compliance Status
Package 07: Parking Facility at Attari.	<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 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>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 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 quarterly basis.</p>

d. Compliance status with Subproject Selection Criteria:

S No	Subproject Selection Criteria	Package 07: Parking Facility at Attari.
1	Site Description	The project area comes under the Atari village in Amritsar District, Punjab. It is 3 km from the Indo-Pakistani border at



S No	Subproject Selection Criteria	Package 07: Parking Facility at Attari.
		Wagah. It is situated 25 km west of the Sikh holy city of Amritsar and is the last Indian station on the rail route connecting Lahore, Pakistan. Attari village was the native village of Sardar Sham Singh Attariwala, one of the generals in the Army of Maharaja Ranjit Singh.
2	Description of proposed improvements	1.Construction of main Building 2.Boundary Wall and External works 3.Electrical works 4.Public health works 5.Firefighting works 6.Landscaping works
3	Design Criteria	Civil structure (parking and interpretation centre inclusive of ramps, staircases, lifts and toilets). Road - access road and internal road Landscape – Hardscape –Pavement, signage, lighting, bollards, chain barriers; Softscape – plant material Infrastructure – water supply, sewerage, firefighting, storm water, Sewage treatment plant, electrical, dustbins, drinking water facility.

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 materials like bricks are stacked and covered. All loose materials are being 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 is being 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.



Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
7. 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 -1).	Continuous monitoring is being carried out 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 (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 63.2dB (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 5.	Within the CPCB standard value of 65db(A)

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

Location	Parameter	Value	Standard
Package 07: Parking Facility at Attari.	PM ₁₀ , µg/m ³	63.0	100
	PM _{2.5} , µg/m ³	42.0	60
	Oxides of Sulphur, µg/m ³	12.8	80
	Oxides of Nitrogen, µg/m ³	16.0	80
	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 5.		



g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
	Package 07: Parking Facility at Attari.	None	NA	NA	No Grievances have been recorded so far.



VI. PACKAGE 08: FAÇADE DEVELOPMENT AND MISCELLANEOUS WORKS OF BUILDINGS (PB/ASR/COM1/QENCA/08)

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 08: Façade Development	1. Gurudwara Saragarhi Memorial. 2. Jalebiwala Building. 3. Thakurdwa raDarianamal Temple 4. GurdwaraC howrasti Atari.	04 March 2014	03 Sep 2015 (extended up to 30 April 2016)	85%	<ul style="list-style-type: none"> Flooring work in Gurudwara Saragarhi& Thakurdwa radarianamal is in progress Plaster work at Jalebiwala Chowk in progress 	

b. Compliance status with Loan Covenant:

S. No.	Environmental Safeguard related Loan Covenants	Compliance Status
Package 08: Façade Development.	<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 environmental impacts on account of detailed designs of the Project facilities are mutually agreed between the</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 consistent with the eligibility criteria set forth</p>



S. No.	Environmental Safeguard related Loan Covenants	Compliance Status
	<p>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>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 quarterly basis.</p>

c. Environmental Quality Monitoring

Noise Quality

Location	Value	Standards
In the vicinity of the construction site, at the location advised by the Environment Specialist of the DSC	<p>The observed noise levels are measured to be 64.9 dB(A) and it is close to the stipulated noise levels for commercial areas. The increased noise levels are due to the proposed construction activities.</p> <p>Noise level monitoring report is enclosed as Annexure 6.</p>	Within the CPCB standard value of 65 db (A) for commercial area.

Ambient Air Monitoring

Location	Parameter	Value	Standard
Package 08: Façade Development.	PM ₁₀ , µg/m ³	73	100
	PM _{2.5} , µg/m ³	49	60
	Oxides of Sulphur, µg/m ³	21	80
	Oxides of Nitrogen, µg/m ³	26	80
	Carbon monoxide µg/m ³	BDL	2.0
	<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>Monitoring reports enclosed as Annexure 6</p>		



d. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
	Package 08: Façade Development.	None	NA	NA	No Grievances have been recorded so far.



VII. PACKAGE 10: CONSTRUCTION OF NEW BUILDING FOR AMRITSAR MUNICIPAL CORPORATION

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 10: Construction of new Building for Amritsar Municipal Corporation.	Architectural and structural design including the design of essential services such as electrical, public health facilities.	10 July 2013	09 Jan 2015 (Extended upto 30 April 2016)	88%	<ul style="list-style-type: none"> • Brick work in super structure of ground, first and second and third floor is in progress • Plaster work of ground, first, second and third floor is in progress. • Front and back elevation as subbase in basement is in progress. • Vitrified tiles flooring in third floor is in progress • Roof treatment work is in progress. 	

b. Compliance status with Government Environmental Regulations:

Package No	Sub Project Component/Packages	Clearance/ Approval required	Current Status
Package 10: Construction of new Building for Amritsar Municipal Corporation.	Proposed facility located within the site bound by Improvement Trust building.	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 sub project has been sourced from local



Package No	Sub Component/Project Packages	Clearance/ Approval required	Current Status
			authorised (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 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:

S. No.	Environmental Safeguard related Loan Covenants	Compliance Status
Package 10: Construction of new Building for Amritsar Municipal Corporation.	<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</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>



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 quarterly 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 report is being submitted to ADB on quarterly basis.</p>

d. Compliance status with Subproject Selection Criteria:

S No	Subproject Selection Criteria	Subproject (Package 10: Construction of new Building for Amritsar Municipal Corporation)
1	Site Description	Proposed site is approximately 1,10,000 square footage and have various offices areas located within the site bound by Improvement Trust building in east, 200' wide road on the south, Sewerage and water supply board office in west, and 30' wide road to the north.
2	Description of proposed improvements	1.Construction of main Building 2.Boundary Wall and External works 3.Electrical works 4.Public health works 5.Firefighting works 6.Landscaping works
3	Design Criteria	The design of the proposed Municipal Corporation building shall live within the budget constraints while creating an architectural ambiance that reflects the Amritsar city's heritage character and conveys a sense of engaged social and working conditions.

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



Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
			labour camps.
3. Consideration to be given for material storage at construction sites.	Adequate space allotted for material storage	Satisfactory	All reusable construction materials like bricks are stacked and covered. All loose materials are being 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 is being 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, 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 - 1).	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

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 62.3dB (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.	The CPCB noise standard for commercial area is 65 dB (A) for day time and 55 dB (A) for night time.



Ambient Air Monitoring

Location	Parameter	Value	Standard
Package 10: Construction of new Building for Amritsar Municipal Corporation.	PM ₁₀ , µg/m ³	70.0	100
	PM _{2.5} , µg/m ³	46.0	60
	Oxides of Sulphur, µg/m ³	13.5	80
	Oxides of Nitrogen, µg/m ³	17.0	80
	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 7.		

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
	Package 10: Construction of new Building for Amritsar Municipal Corporation.	None	NA	NA	No Grievances have been recorded so far.



VIII. PACKAGE 14: WETLAND DEVELOPMENT AND CONSERVATION OF KESHOPUR CHHUMB COMMUNITY RESERVE, GURDASPUR, PUNJAB

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 14: Wetland Development and Conservation of Keshopur Chhumb Community Reserve, Gurdaspur, Punjab						
	Package 14A Development of community – based Eco Tourism facilities at Keshopur Wetland (PICF)	Plantation, habitat improvement, desiltation of wetland, soil and moisture conservation measures, natural care, Eco development and income generating activities	April 2013	March 2016	71%	<ul style="list-style-type: none"> Habitat Improvement Removal of weeds 	Work is in progress.
	Package 14B Development of community – based Eco Tourism facilities at Keshopur Wetland	Construction of check dam, compound wall, road and parking facility, landscaping, toilet blocks, watch towers (3), pause point & connecting bridge	06 Sep 2013	05 Mar 2015 (extended upto 31 May 2016)	63%	<ul style="list-style-type: none"> Fabrication of watch tower no 1 & 2 is in progress 	Work is in progress.
	Package 14C Development of community based Eco Tourism Facility at Keshopur Wetland (Interpretation Centre)	Construction of civil works, PHE works, boring and installation of DTW works, Electric works, fire fighting	18 Feb 2015	17 Aug 2016	38%	<ul style="list-style-type: none"> Brick Work in foundation is in progress. RCC work for slab in progress 	Work is 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 14: Wetland Development and Conservation of KeshopurChhumb Community Reserve, Gurdaspur, Punjab	Package 14A:Plantation, habitat improvement, desiltation of wetland, soil and moisture conservation measures, natural care, Eco development and income generating activities.		Disposal plan for extraneous material is needed.	Disposal of extraneous material as per plan.
	Package 14B: Construction of check dam, compound wall, road and parking facility, landscaping, toilet blocks, watch towers (3), pause point & connecting bridge			
	Package 14C:Construction of civil works, PHE works, boring and installation of DTW works, Electric works, fire fighting			
		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 project is very less and it has been sourced from local authorised (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, stone crushers and diesel	



Package No	Sub Component/Packages	Project Clearance/ Approval required	Current Status
			generators.
		The Wildlife Conservation Act, 1972, amended in 2003 and 2006,	Not applicable, though the project area is environmentally sensitive, the proposed intervention does not have any major impact on the wetland
		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:

S. No.	Safeguard related Loan Covenants	Compliance Status
<p>Package 14A: Plantation, habitat improvement, desiltation of wetland, soil and moisture conservation measures, natural care, Eco development and income generating activities</p> <p>Package 14B: Construction of check dam, compound wall, road and parking facility, landscaping, toilet blocks, watch towers (3), pause point & connecting bridge</p> <p>Package 14C: Construction of civil works, PHE works, boring and installation of</p>	<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>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>



S. No.	Safeguard related Loan Covenants	Compliance Status
DTW works, Electric works, firefighting.	<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>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 quarterly basis.</p>

d. Compliance status with Subproject Selection Criteria:

S. No.	Subproject Selection Criteria	Package 14A: Plantation, habitat improvement, desiltation of wetland, soil and moisture conservation measures, natural care, Eco development and income generating activities	Package 14B: Construction of check dam, compound wall, road and parking facility, landscaping, toilet blocks, watch towers (3), pause point & connecting bridge	Package 14C (Interpretation centre): Construction of civil works, PHE works, boring and installation of DTW works, Electric works, and firefighting.
1	Site Description	Keshopur Chhumb Community Reserve (KCCR) is situated in Gurdaspur district of Punjab spread in an area of 850 acres (343.995 ha), comprising of a fresh water marsh.	Keshopur Chhumb Community Reserve (KCCR) is situated in Gurdaspur district of Punjab spread in an area of 850 acres (343.995 ha), comprising of a fresh water marsh.	Keshopur Chhumb Community Reserve (KCCR) is situated in Gurdaspur district of Punjab spread in an area of 850 acres (343.995 ha), comprising of a fresh water marsh.
2	Design Criteria	The proposed/ suggested designs, building construction technology and the	The proposed/ suggested designs, building construction technology and the	Social connectivity – Natural & Cultural



		materials used for construction shall be chosen to have minimal disturbance to the wetland eco-system, its resources and the birds. To build structures and incorporate such design elements/features that support the wetland	materials used for construction shall be chosen to have minimal disturbance to the wetland eco-system, its resources and the birds. To build structures and incorporate such design elements/features that support the wetland	Heritage. Nature Education for the Tourists , Researchers and Nature lovers
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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 materials like bricks are stacked and covered. All loose materials are being 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. 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	Continuous monitoring will be done to ensure all the workers are using PPE's.



Mitigation Measures	Compliance	Remarks	Follow up Action Proposed
9. The construction activities, that would generate noise shall be restricted during the birds migratory season/ period	Work being carried out as per plan	Satisfactory	Noise generating construction activities are being monitored and restricted during the migratory season/ period of birds
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	The contractor has been instructed to ensure that breeding of mosquitoes does not take place within the construction sites and labour camps.

f. Environmental Quality Monitoring

Noise Quality

Location	Value	Standards
In the vicinity of the construction site, at the location advised by the Environment Specialist of the DSC.	<p>The observed noise quality (64.2 dB (A)) is found to be higher than the prescribed limits in comparison with the CPCB Noise Quality Standard for Silence Zone.</p> <p>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 project construction</p> <p>Monitoring report enclosed as Annexure 8.</p>	Within the CPCB standard value of 50db(A) for Silence Zone

Ambient Air Monitoring

Location	Parameter	Value	Standard
Package 14A: Plantation, habitat improvement, desiltation of wetland, soil and moisture conservation measures, natural care, Eco development and income generating activities	PM ₁₀ , µg/m ³	61	100
	PM _{2.5} , µg/m ³	34	60
	Oxides of Sulphur, µg/m ³	12	80
	Oxides of Nitrogen, µg/m ³	15	80
	Carbon monoxide, µg/m ³	BDL	2.0
Package 14B: Construction of check dam, compound wall, road and parking		The observed AAQ values are within the regulatory standards indicating the	



Location	Parameter	Value	Standard
facility, landscaping, toilet blocks, watch towers (3), pause point & connecting bridge Package 14C: Construction of civil works, PHE works, boring and installation of DTW works, Electric works, firefighting.		construction activities does not have any impact on the existing air quality. (Monitoring report enclosed as Annexure 8)	

g. Grievance Record and Action Taken

Date	Subproject	Problem related to	Received through	Description	Status
	Package 14A: Plantation, habitat improvement, desiltation of wetland, soil and moisture conservation measures, natural care, Eco development and income generating activities Package 14B: Construction of check dam, compound wall, road and parking facility, landscaping, toilet blocks, watch towers (3), pause point & connecting bridge Package 14C: Construction of civil works, PHE works, boring and installation of DTW works, Electric works, firefighting.	None	NA	NA	No Problem has been reported.

Annexure – 1

Construction and Labour Safety at Site



Conducting Orientation program for Workers on construction safety by Community Development Officer, Amritsar

I. Package I: Conservation and Structural Stabilization - Gobindgarh Fort



II. Package 2: Adaptive Reuse of Historic Building for Interpretation and Visitor Facilities Including Museum



III. Package 3: Providing Infrastructure Utilities Services at Gobindgarh Fort- Amritsar



IV. Package 7: Parking Facility at Attari





V. Package 10: Construction of New Building for Amritsar Municipal Corporation



VI. Package 14: Wetland Development and Conservation of Keshopur Chhumb Community Reserve, Gurdaspur, Punjab





Annexure – 2



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 : 11/04/2016

1.	Laboratory Sample No.	ITL/04-16/48/01
2.	Issued to	M/S MEROFORM INDIA PVT. LTD. A-204, SARITA VIHAR, NEW DELHI-110044
3.	Name of sample collecting officer	Dhamber Prajapat & ITLCH Team
4.	Type of sample	Ambient Air Quality Monitoring
5.	Date of sample collection	08/04/2016 at 08.40 am
6.	Date of sample receipt in lab	09/04/2016 at 09.45 pm
7.	Location of sample collection	Inside Gobindgarh Fort Amritsar

Test Results

SN	Parameters	Results	Regulatory Standards (NAAQS)
1.	PM _{2.5} , $\mu\text{g}/\text{m}^3$	49	60
2.	PM ₁₀ , $\mu\text{g}/\text{m}^3$	72	100
3.	Oxides of Sulphur, $\mu\text{g}/\text{m}^3$	14	80
4.	Oxides of Nitrogen, $\mu\text{g}/\text{m}^3$	19	80
5.	Carbon Monoxide (CO), mg/m^3	Not Detected	2.0

Test method followed -APHA 17th edition (for the examination of air and stack emissions) & IS 5182


ANALYST


LAB INCHARGE


AUTHORIZED SIGNATORY

- 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. Samples 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 an evidence in the court of law and should not be used in any advertising media without our special permission in writing.

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



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 : 11/04/2016

1.	Laboratory Sample No.	ITL/04-16/48/02
2.	Issued to	M/S MEROFORM INDIA PVT. LTD. A-204, SARITA VIHAR, NEW DELHI-110044
3.	Name of sample collecting officer	Dharmber Prajapat & ITLCH Team
4.	Type of sample	Noise Level
5.	Date of sample collection	09/04/2016
7.	Location of sample collection	Inside Gobindgarh Fort Amritsar

Test Results

SN	Location of Sample Collection	Noise Level - day time (Leq)
1.	Inside Fort	63.8
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 relative 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


LAB INCHARGE


AUTHORIZED SIGNATORY

- 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. All disputes are subject to Patiala jurisdiction.
5. 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.

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

Annexure - 3

Punjab Heritage and Tourism Promotion Board
 Infrastructure Development Investment Programme for Tourism (IDIPT)
 (ADB Assisted Project)
 Plot No. 03, Sector 38 A, Chandigarh, Ph. 0172-2625952, 5014495
 Email: idipt.pb.office@gmail.com



To,
 The Environment Engineer
 O/o Punjab Pollution Control Board
 Zonal Office, Plot No. 164, Focal Point
 Mehta Road, Amritsar

No. PHTPB/IDIPT/2015/2860-61
 Dated: 09/09/15

Subject: Submission of the Environment Clearance (EC) No. SEIAA/ 2192 dated 11.07.2014 and Six Monthly Reports for the period ending Dec. 2014 & June 2015 for the Project of "Development of Tourist Reception Facility and Car Parking near Wagha Border, Village Attari, Tehsil & Distt. Amritsar by the Department of Tourism, Govt. of Punjab"

Ref: PPCB letter No. 3998 dated 03.09.15

Sir,

With respect to the above mentioned subject and reference, following response is submitted:

1. As per the requirements of Environment Impact Assessment (EIA) Notification dated 14.09.2006 the project proponent had obtained Environment Clearance (EC) of the project from State Environment Impact Assessment Authority (SEIAA) vide letter no. SEIAA/ 2192 dated 11.07.2014. (copy enclosed)
2. As per the requirements of Environment Clearance (EC) the Project Manager had applied for Consent to Establish (CTE)/ Consent to Operate (CTO) to Zonal Office of Punjab Pollution Control Board.
3. The project activities are being undertaken as per the requirements of the Environment Clearance (EC) and six monthly progress reports along with the Pollution Monitoring Reports from NABL/MoEF certified laboratory are being submitted regularly.

This is for your information. Further, it is requested that in view of the above, requirement of personal appearance on 17th Sept. 2015 before the worthy Chairman, Punjab Pollution Control Board may kindly be dispensed with.

Sincerely,



Addl. Project Director

Encl. as above

CC: The Chairman, PPCB.

Tourist Reception Facility and car parking near Wagha Border, Village Attar, Teh & Distt. Amritsar by the Department of Tourism, Govt. of Punjab

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB

Ministry of Environment and Forests, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,

Patiala - 147 001

Telefax:- 0175-2215636

Dated: 11.7.14



No. SEIAA/2192

Registered

To

Punjab Heritage & Tourism Promotion Board,
Archive Bhawan, Plot No. 03,
Sector 38-A, Chandigarh

Subject:

Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for development of Tourist Reception Facility and car Parking near Wagha Border, Village Attar, Teh & Distt. Amritsar by the Department of Tourism, Govt. of Punjab.

This has reference to your application for obtaining environmental clearance under EIA notification dated 14.09.2006 for development of Tourist Reception Facility and car Parking near Wagha Border, Village Attar, Teh & Distt. Amritsar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) for seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A, conceptual plan and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves developing of Tourist Reception Facility and car Parking near Wagha Border, Village Attar, Teh & Distt. Amritsar. The total land area of the project is 11.84 acres in which parking facility having built up area as 60,000 sqm and reception facility having built up area of 2000 sqm will be provided. The reception facility will be provided for 2000-3000 visitors per day. The Department of Town & Country Planning, Punjab has issued a NOC vide no. 72 dated 21.01.2014 mentioning that the project site falls in the Local Planning Area of Amritsar. Also, as per the Master Plan, Amritsar (2010-2031), the site falls under the area kept reserved for the Off port facility and hence the said activity is permissible. The layout plan has been approved by the STP, Amritsar vide no. 212 dated 19.02.2014.

The total water requirement during summer season will be 90 KLD, out of which 30 KLD will be met from fresh groundwater and 60 KLD will be met from recycling of treated wastewater. The total wastewater generation will be 64 KLD, which will be treated in an STP of capacity 70 KLD to be installed within the project premises. Out of the total 60 KLD of treated wastewater, 50 KLD will be used for flushing purposes and remaining 10 KLD will be used for landscaping/horticulture. The total water requirement during winter season will be 87 KLD, out of which 30 KLD will be met from fresh groundwater and 57 KLD will be met from recycling of treated wastewater. The total wastewater generation will be 64 KLD, which will be treated in an STP of capacity 70 KLD to be installed within the project premises. Out of the total 60 KLD of treated wastewater, 50 KLD will be used for flushing purpose, 7 KLD will be used for landscaping/horticulture and remaining 3 KLD will be stored in treated water tank of capacity 60 KLD. The total water requirement during rainy season will be 81 KLD, out of which 30 KLD will be met from fresh groundwater and 51 KLD will be met from recycling of treated wastewater. The total wastewater generation will be 64 KLD, which will be treated in an STP of capacity 70 KLD to be installed within the project premises. Out of the total 60 KLD of treated wastewater, 50 KLD will be used for flushing purpose and 10 KLD treated wastewater will be used for feeding the Fire Storage Tank and water quality standards shall be achieved for the same as per the CPCB/BIS/NBC/ guidelines.. The project site falls in the 'Safe Zone' and total water abstraction will be less than 100 KLD, as such, permission from the CGWA is not required.

The total quantity of solid waste generation will be 3 tons/day which will be disposed off at the existing facility of BSF as per Municipal Solid Waste (Management & Handling) Rules, 2000. The total load of electricity required for the project will be 300 KW, which is to be provided by the PSPCL. Rain water harvesting wells will be provided for ground water recharge. The Airports Authority of India has issued a letter bearing no. 613 dated 18.11.2013, wherein, it has been mentioned that the project site is located at a distance of more than 20 km from the Amritsar Airport and NOC for the same is not required. Rs.94,000/- will be incurred for ambient air quality monitoring and noise monitoring. The Project Management Unit (PMU) will be responsible for the same. The project proponent has prepared and submitted the traffic

circulation plan and Disaster/Risk Assessment & Management Plan. Rs. 22.25 lacs will be utilized for the activities to be undertaken under Corporate Social Responsibility.

The case was considered by the SEAC in its 85th meeting held on 26.12.2013, wherein, the Committee screened the application meticulously and noticed that the project proponent is required to submit certain information/data for appraisal of the project. The observations of the Committee were conveyed to the project proponent and the reply to the same was received. Lastly, the case was considered by the SEAC in its 94th meeting held on 12.06.2014 and awarded 'Silver Grading' to the project proposal and decided to forward the case to the SEIAA with the recommendation to grant environmental clearance to the project proponent subject to conditions in addition to the proposed measures.

The case was considered by the SEIAA in its 65th meeting held on 04.07.2014 and the Authority noted that the case stands recommended by SEAC and the Committee awarded 'Silver Grading' to the project proposal. Therefore, the Authority decided to grant environmental clearance for the establishment of Tourist Reception Facility and Car Parking in an area of 11.84 acres (having built-up area as 60,000 sqm for parking facility and 2000 sqm for Reception Facility) near Wagha Border, Village Attari, Teh & Distt. Amritsar, subject to the following conditions as proposed by the SEAC in addition to the proposed measures:

PART A – Specific conditions

I. Construction Phase

- i) "Consent to establish" shall be obtained from Punjab Pollution Control Board under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority before the start of any construction work at site.
- ii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- iii) A first aid room will be provided in the project both during construction and operation phase of the project.
- iv) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.

- v) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority.
- vi) Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses and the dump sites for such material must be secured, so that they should not leach into the groundwater.
- vii) The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to the provisions of Environment (Protection) Act, 1986 prescribed for air and noise emission standards.
- viii) Vehicles hired for bringing construction material to the site and other machinery to be used during construction should be in good condition and should conform to applicable air and noise emission standards.
- ix) Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- x) Fly ash should be used as construction material in the construction as per the provisions of Fly Ash Notification of September, 1999 and as amended on August, 2003 (This condition is applicable only if the project is within 100 Km of Thermal Power Station).
- xi) Ready mixed concrete should be used in building construction as far as possible.
- xii) Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices.
- xiii) Separation of drinking water supply and treated sewage supply should be done by the use of different colours.
- xiv) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- xv) Adequate steps shall be taken to conserve energy by limiting the use of glass, provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code.
- xvi) The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightning.
- xvii) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, disposal of waste water & solid waste in an environmentally sound manner, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

II. Operation Phase

- i) The installation of sewage treatment plant (STP) and adequacy of disposal system should be certified by Punjab Pollution Control Board and a report in this regard should be submitted to the Ministry of Environment & Forests/State Level Environment Impact Assessment Authority before the project is commissioned for operation. The discharge of treated sewage shall conform to the norms and standards prescribed by Punjab Pollution Control Board for such discharges. The project proponent shall not discharge any treated wastewater into any public sewer.
- ii) The project proponent shall provide electromagnetic flow meter at the outlet of the water supply, outlet of the STP and any pipeline to be used for re-using the treated wastewater back into the system for flushing and for horticulture purpose/green etc. and shall maintain a record of readings of each such meter on daily basis.
- iii) Adequate & appropriate pollution control measures should be provided to control fugitive emissions to be emitted within the complex.
- iv) Adequate treatment facility for drinking water shall be provided, if required.
- v) The project proponent shall not utilize the rainwater harvesting scheme for any runoff from the areas susceptible to chemical/ oil/ lubricant pollution such as parking areas.
- vi) The solid waste generated should be properly collected and segregated. The recyclable solid waste shall be sold out to the authorized vendors and inerts shall be sent to disposal facility. The Bio-degradable solid waste shall be adequately treated as per the scheme submitted by the project proponent. Prior approval of competent authority should be obtained, if required.
- vii) Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.
- viii) The green belt along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety.
- ix) The project proponent should take adequate and appropriate measures to contain the ambient air quality within the prescribed standards. The proposal regarding mitigation measures to be taken at site should be submitted to the Ministry of Environment & Forests/ State Level Environment Impact Assessment Authority within three months.
- x) Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.
- xi) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating.
- xii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

- xiii) A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about machinery of air conditioning, lifts, lighting, building materials, R & U Factors etc. and submitted to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA in three months time.
- xiv) Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.
- xv) The project proponent shall utilize the treated wastewater as per the water balance chart submitted i.e. 50 KLD of treated wastewater shall be utilized for Toilet Flushing through dual plumbing system and balance 10 KLD shall be utilized for horticulture in the project premises itself, so that there is no excess runoff during summer and winter seasons. However, during rainy season, when there is no demand for irrigation purposes, project proponent may utilize the 10 KLD treated wastewater for feeding the Fire Storage Tank and water quality standards shall be achieved for the same as per the CPCB/BIS/NBC/ guidelines. Further, the corresponding abstraction of ground water shall be reduced during the rainy season to avoid generation of excess treated wastewater.

PART B – General Conditions :

- i) This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.
- ii) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- iii) The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) will continue to be borne by the project proponent until the responsibility of environmental management plan is transferred to the occupier/residents society under proper MOU after obtaining prior permission of the Punjab Pollution Control Board.
- iv) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA.
- v) Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh/State Level Environment Impact Assessment Authority.

- vi) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority.
- vii) Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different colour coding.
- viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by project proponents from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.
- ix) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh.
- x) These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- xi) Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any competent court, to the extent applicable.
- xii) The project proponent shall obtain the permission for change of land use, if any authority insists for the same.
- xiii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- xiv) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; $PM_{2.5}$, PM_{10} , SO_2 , NO_x , CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xv) The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility. Rs.22.25 lacs will be utilized for activities like sensitization workshop and various training sessions.

- xvi) The State Environment Impact Assessment Authority reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.
- xvii) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

[Signature]
Member Secretary (SEIAA)

REGISTERED

Endst. No. _____

Dated _____

A copy of the above is forwarded to the following for information & further necessary action please.

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
2. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
3. The Member Secretary, Punjab State Power Corporation Ltd., Amritsar.
4. The Deputy Commissioner, Amritsar.
5. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
6. The Chief Conservator of Forests (North), Ministry of Environment and Forest, Regional Office, Bays No.24-25, Sector-31-A, Chandigarh.
7. The Chief Town Planner, Pb., Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali
8. Monitoring Cell, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
9. The Director (Environment), Ministry of Environment and Forest, Northern Regional Office, Bays No.24-25, Sector-31-A, Chandigarh. The detail of the project proponent is as under:
 - a) Name of the applicant
 - b) Telephone Number
 - c) E-mail
10. The Environmental Engineer (Computers), Punjab Pollution Control Board, Head Office, Patiala for displaying the environmental clearance on the web site of the State Level Environment Impact Assessment Authority.
11. The Executive Engineer, PUDA, Amritsar

Tourism Department, Govt. of Punjab
0172-2625952, 2699263
idipt.pb.pd@gmail.com

[Signature]
Member Secretary (SEIAA)

Annexure –4



PUNJAB POLLUTION CONTROL BOARD
Zonal Office, Plot no. 164, Focal Point, Mehta Road, Amritsar.

Website:- www.ppcb.gov.in

Industry ID:O15ASR2718866

Date :12/11/2015

Application No :3259419

To

M/s Project manager, punjab heritage & tourism promotion board
Tourist reception centre and car parking facility, attari border
Amritsar ii
143001
Tehsil: Amritsar ii
District: Amritsar

Subject : Grant of 'Consent to Establish' (NOC) for an industrial unit u/s 25 of Water(Prevention & Control of Pollution)Act, 1974 and u/s 21 of Air(Prevention & Control of Pollution)Act,1981.

With reference to your application for 'Consent to Establish'(NOC) an industrial plant u/s 25 of Water(Prevention & Control of Pollution)Act, 1974 and u/s 21 of Air(Prevention & Control of Pollution)Act, 1981, you are, hereby, permitted to establish the industrial or an expansion addition to discharge the effluent(s) & emission(s) arising out of your premises subject to the following conditions:

A. Particulars of the Industry

Name of the Applicant	Achru Ram Mishra
Address of industrial premises	M/s Project manager, punjab heritage & tourism promotion board Tourist reception centre and car parking facility, attari border Amritsar ii 143001 Tehsil :Amritsar ii District :Amritsar
Capital investment of the industry	2853.0 lakhs
Scale of the industry	Small
Office District	Amritsar
NOC fee details	

for	Bank Name	Branch Name	Draft No./Money Receipt No.	Date	Amount (In Rupees)
CTE	Andhra Bank	Amritsar	669442	04/05/2015	30000.0
Application Form	Andhra Bank	Amritsar	669441	04/05/2015	500.0
Raw Materials name with quantity per day				No production involved only services to be provided @0 Metric Tonnes/Day	
Products with quantity per day				Services Facility @0 Numbers/Day	
By-Products, if any, with quantity per day				Services Facilities no production involved @0 Numbers/Day	
Details of machinery and process				As given in application.	
Details of Effluent Treatment plant				Domestic Effluent @64.0 KLD	
Mode of Disposal				Recycling/ reuse as proposed in Environment Clearance conditions	
Standards to be achieved under Water(Prevention & Control of Pollution) Act, 1974					
Sources of emissions and type of pollutants					
Mode of disposal of emissions with stack height					
Quantity of fuel required in TPD					
Type of Air Pollution Control Devices to be installed					
Standards to be achieved under Air(Prevention & Control of Pollution) Act, 1981					

particulars of Consent to Establish (NOC) granted to the industry

No. R15ASRCTE3259419	Date of issue :12/11/2015
	Date of expiry :11/11/2016

C. Main Conditions :

1. The project proponent shall comply with the conditions of the Environmental Clearance granted to the project.
2. The project proponent shall expedite the work regarding installation of sewage treatment plant and to provide proper disposal arrangements for the effluent so that same comes in operation well before the commissioning of the project.

D. General Conditions :

1. The project proponent shall apply for consents of the Board as required under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 alongwith the application for authorization under the provision of Hazardous Waste (Management Handling and Transboundary Movement) Rules, 2008 two months before the commissioning of the project.
2. The project proponent shall provide adequate arrangements for fighting the accidental leakages/discharge of any air pollutant/gas/liquids from the vessels, mechanical equipments etc, which are likely to cause environmental pollution.
3. The project proponent shall comply with any other conditions laid down or directions issued by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 from time to time.
4. Nothing in this N.O.C. shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities or penalties to which the applicant is or may be subjected under the provisions of the Water/Air Acts respectively.
5. The project proponent has been approved by the Board from pollution angle and the project proponent shall obtain the approval of site from other concerned departments, if need be.
6. The project proponent shall construct and commission the sewage treatment plant simultaneously with the development of the project and the treated waste water shall conform to the effluent standards adopted by the Board for such discharges onto land for irrigation.
7. The project proponent shall make arrangements for proper disposal of the treated wastewater and shall not allow it to stagnate anywhere inside or outside the site.
8. The project proponent shall construct a pucca storage tank of sufficient capacity to hold back the wastewater in case of failure of sewage treatment plant.
9. The project proponent shall install separate energy meter for its sewage treatment plant and maintain the record on daily basis of consumption of energy for the running and maintenance of sewage treatment plant.
10. The adequacy and efficacy of the sewage treatment plant and other pollution control devices will be the entire responsibility of the project proponent.
11. The project proponent shall properly operate and maintain its sewage treatment plant and ensure that the treated sewage conforms to the effluent standards prescribed by the Board.

the project proponent shall provide terminal manhole at the end of collection system and a manhole upstream of outlet (s) out of the site for measurement of flow and for taking samples.

13. All the underground water retaining structures shall be lined with an impervious layer so as to avoid seepage and contamination of sub-soil/water.

14. The project proponent shall, for the purpose of measuring and recording the quantity of water consumed, affix meters of such standards at such places as approved by the Environmental Engineer, Punjab Pollution Control Board, Regional Office.

15. The project proponent shall re-circulate the entire cooling water, if any and shall install and commission the re-circulation system simultaneously alongwith the main project.

16. The project proponent shall provide pipeline network to utilize treated effluent onto land for plantation/irrigation with development of proper and adequate land to utilize entire treated effluent.

17. The project proponent shall provide electromagnetic flow meter at the source of fresh water supply, on line provided to utilize treated effluent for flushing purposes and also on line provided to utilize balance treated effluent onto land for plantation.

18. The project proponent shall plant three suitable varieties of trees all along the boundary of the restaurant.

19. The project proponent shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

$$H = 14 Q_g^{0.3} \text{ or } H = 74 (QP)^{0.24}$$

Where Q_g = Quantity of SO_2 in kg/ hr

QP = Quantity of particulate matter in tonne/day

Note: Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

20. The project proponent shall keep the height of exhaust pipes with ventilation equipments etc. at least 3 meters above the roof level.

21. The project proponent shall not consume any fuel except diesel in DG set, authorized fuels in kitchen of the palace without prior permission of the Board.

22. The project proponent shall provide proper rain water harvesting system in its premises for the roof top rain water only alongwith separate & visible pipeline of light blue colour for this system and shall maintain the rain water harvesting system properly, to ensure that no ground water pollution occurred and no surface run off or any other rain water flowing in lawn/garden is allowed to enter in the rain water harvesting system.

23. The project proponent shall made all the arrangements for complete compliance of the provisions of the Municipal Solid Waste (Management & Handling) Rules, 2000 and dispose off solid waste to be generated from the restaurant to the satisfaction of the Board.

24. The Project proponent shall provide certified canopy on the DG set to comply with the provisions of EPA Rules, regarding noise pollution.

25. All amendments/revisions made by the Board in the effluent standards shall be applicable to the project proponent from the date of such amendments/revisions.

26. The project proponent shall obtain Environmental Clearance from the Government of India, Ministry of Environment & Forests under EIA Notification dated 14/9/2006 and its amendments, if need be.

27. The project proponent shall obtain the Authorization under the Hazardous Waste (Management Handling and

boundary Movement) Rules, 2008 as amended time to time.

The project proponent shall take all the necessary measures to comply with the Noise Pollution (Regulation and Control) Rules, 2000.

9. The project proponent shall obtain necessary statutory permissions/clearances from all other concerned departments.

30. The project proponent shall provide proper parking area to avoid traffic hazard and submit approved building plan of the project from the competent authority.

31. The project proponent shall put up display board indicating Environment data at the main entrance gate.

32. The Board reserves the right to revoke the consent to establish (NOC) granted to the project proponent at any time, in case, the project proponent is found violating any of the conditions of the consent to establish (NOC) granted under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 for development of project.

"This is computer generated document from OCMMS by PPCB "

Annexure – 5



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 : 11/04/2016

1.	Laboratory Sample No.	ITL/04-16/49/03
2.	Issued to	M/S SRISHTI CONSTRUCTION SCO-2, IIrd FLOOR, PUDA COMPLEX LADOWALI ROAD, JALANDHAR CITY, PUNJAB
3.	Name of sample collecting officer	Dharmber Prajapat & ITLCH Team
4.	Type of sample	Ambient Air Quality Monitoring
5.	Date of sample collection	08/04/2016 at 01.00 pm
6.	Date of sample receipt in lab	09/04/2016 at 09.45 pm
7.	Location of sample collection	Near Parking area Attari Amritsar

Test Results

SN	Parameters	Results	Regulatory Standards (NAAQS)
1.	PM _{2.5} , $\mu\text{g}/\text{m}^3$	42	60
2.	PM ₁₀ , $\mu\text{g}/\text{m}^3$	63	100
3.	Oxides of Sulphur, $\mu\text{g}/\text{m}^3$	12.8	80
4.	Oxides of Nitrogen, $\mu\text{g}/\text{m}^3$	16	80
5.	Carbon Monoxide (CO), mg/m^3	Not Detected	2.0

Test method followed -APHA 17th edition (for the examination of air and stack emissions) & IS 5182

ANALYST

LAB. IN CHARGE

AUTHORIZED SIGNATORY

NOTE: - 1. True liability of our laboratory is limited to the enclosed 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. All disputes are subject to Patiala jurisdiction.

5. 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.

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



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 : 11/04/2016

1.	Laboratory Sample No.	ITL/04-16/49/04
2.	Issued to	M/S SRISHTI CONSTRUCTION SCO2, IIIRD FLOOR, PUDA COMPLEX LADOWALI ROAD, JALANDHAR CITY, PUNJAB
3.	Name of sample collecting officer	Dharmber Prajapat & ITLCH Team
4.	Type of sample	Noise Level
5.	Date of sample collection	09/04/2016
6.	Location of sample collection	Near Parking area Attari Amritsar

Test Results

SN	Location of Sample Collection	Noise Level - day time (Leq)
1.	Near Parking	63.2
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


LAB INCHARGE



AUTHORIZED SIGNATORY

- 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. All disputes are subject to Patiala jurisdiction.
 5. 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.

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Annexure – 6



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Industrial Testing Laboratory & Consulting House

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Analysis Report

AMBIENT AIR QUALITY MONITORING REPORT

Test Report No.: ITL/ED/03
Dispatch Date : 13/10/2015

1.	Laboratory Sample No.	ITL/10-15/SMR/02/01
2.	Issued to	M/s Sanrakshan Heritage Consultants Pvt. Ltd, Pitampura, New Delhi. (Saragari Memorial) Amritsar
3.	Name of sample collecting officer	Krishan Kumar
4.	Type of sample	Ambient Air Quality Monitoring
5.	Date of sample collection	09/10/2015 at 03.30 pm
6.	Date of sample receipt in lab	10/10/2015 at 10.00 pm
7.	Location of sample collection	Near Site Office

Test Results

SN	Parameters	Results	Regulatory Standards (NAAQS)
1.	PM _{2.5} , µg/m ³	49	60
2.	PM ₁₀ , µg/m ³	73	100
3.	Oxides of Sulphur, µg/m ³	21	80
4.	Oxides of Nitrogen, µg/m ³	26	80
5.	Carbon Monoxide (CO), mg/m ³	Not Detected	2.0

Test method followed -APHA 17th edition (for the examination of air and stack emissions) & IS 5182

Lab
ANALYST

Lab
LAB. INCHARGE

Lab
AUTHORIZED SIGNATORY

- 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 our 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 an evidence in the court of law and should not be used in any advertising media without our special permission in writing.

Ghalori Gate, Patiala (Pb.) Ph. 0175-2320175, 2322224, (M) 92161-21540
Email : itlcpatiala@gmail.com Website : www.itlch.com



ISO 9001 : 2008

Industrial Testing Laboratory & Consulting House

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Analysis Report

NOISE LEVEL MONITORING ANALYSIS REPORT

Test Report No.: ITL/ED/C4
Dispatch Date: 13/10/2015

1.	Laboratory Sample No.	ITL/10-15/SMR/02/02
2.	Issued to	M/s Sanrakshan Heritage Consultants Pvt. Ltd, Pitampura, New Delhi. (Saragari Memorial) Amritsar
3.	Name of sample collecting officer	Krishan Kumar
4.	Type of sample	Noise Level
5.	Date of sample collection	09/10/2015

Test Results

SN	Location of Sample Collection	Noise Level - day time (Leq)
1.	Near Site Office	84.9
Regulatory Standards		65dB (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


LAB. INCHARGE



AUTHORIZED SIGNATORY

- NOTE: -
1. Total liability of our laboratory is limited to fee involved 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. All disputes are subject to Patiala jurisdiction.
 5. 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.

Ghalori Gate, Patiala (Pb.) Ph. 0175-2320175, 2322224, (M) 92161-21540
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Annexure – 7



ISO 9001 : 2008

Industrial Testing Laboratory & Consulting House

(A Govt. Approved Laboratory)

Analysis Report

AMBIENT AIR QUALITY MONITORING REPORT

Test Report No. : ITL/ED/03

Dispatch Date : 11/04/2016

1.	Laboratory Sample No.	ITL/04-16/49/01
2.	Issued to	M/S SRISHTI CONSTRUCTION SCO2, IIIRD FLOOR, PUDA COMPLEX LADOWALI ROAD, JALANDHAR CITY, PUNJAB
3.	Name of sample collecting officer	Dharmber Prajapat & ITLCH Team
4.	Type of sample	Ambient Air Quality Monitoring
5.	Date of sample collection	08/04/2016 at 11.20 am
6.	Date of sample receipt in lab	09/04/2016 at 09.45 pm
7.	Location of sample collection	Amritsar Municipal Corporation Building at Ranjit Avenue

Test Results

SN	Parameters	Results	Regulatory Standards (NAAQS)
1.	PM _{2.5} , $\mu\text{g}/\text{m}^3$	46	60
2.	PM ₁₀ , $\mu\text{g}/\text{m}^3$	70	100
3.	Oxides of Sulphur, $\mu\text{g}/\text{m}^3$	13.5	80
4.	Oxides of Nitrogen, $\mu\text{g}/\text{m}^3$	17	80
5.	Carbon Monoxide (CO), mg/m^3	Not Detected	2.0

Test method followed -APHA 17th edition (for the examination of air and stack emissions) & IS 5182

ANALYST

LAB. CHARGE

AUTHORIZED SIGNATORY

- NOTE :-
1. Traceability of our laboratory is limited to the invoice number.
 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. All disputes are subject to Patiala jurisdiction.
 5. 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.

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Email : itlchpatiala@gmail.com Website : www.itlch.com



ISO 9001 : 2008

Industrial Testing Laboratory & Consulting House

(A Govt. Approved Laboratory)

Analysis Report

NOISE LEVEL MONITORING ANALYSIS REPORT

Test Report No. : ITL/ED/04
Dispatch Date : 11/04/2016

1.	Laboratory Sample No.	ITL/04-16/49/02
2.	Issued to	M/S SRISHTI CONSTRUCTION SCO2, III RD FLOOR, PUDA COMPLEX LADOWALI ROAD, JALANDHAR CITY, PUNJAB
3.	Name of sample collecting officer	Dharmber Prajapat & ITLCH Team
4.	Type of sample	Noise Level
5.	Date of sample collection	09/04/2016
7.	Location of sample collection	Amritsar Municipal Corporation Building at Ranjit Avenue

Test Results

SN	Location of Sample Collection	Noise Level - day time (Leq)
1.	Near Office Amritsar Municipal Corporation Building	62.3
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


LAB INCHARGE


AUTHORIZED SIGNATORY

- 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. All disputes are subject to Patiala jurisdiction.
 5. This report is not to be produced wholly or in part as an evidence in this court of law and should not be used in any advertising media without our special permission in writing.

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

Annexure – 8



ISO 9001 : 2008

Industrial Testing Laboratory & Consulting House

(A Govt. Approved Laboratory)

Analysis Report

AMBIENT AIR QUALITY MONITORING REPORT

Test Report No. : ITL/ED/07
Dispatch Date : 11/04/2016

1.	Laboratory Sample No.	ITL/04-16/50/01
2.	issued to	M/s SAI CONSTRUCTION COMPANY, 42-D, MODEL TOWN, PATIALA, PUNJAB
3.	Name of sample collecting officer	Dharmber Prajapat & ITLCH Team
4.	Type of sample	Ambient Air Quality Monitoring
5.	Date of sample collection	08/04/2016 04.35 pm
6.	Date of sample receipt in lab	09/04/2016 at 09.45 pm
7.	Location of sample collection	Keshopur Wetland (Interpretation Center)

Test Results

SN	Parameters	Results	Regulatory Standards (NAAQS)
1.	PM _{2.5} , $\mu\text{g}/\text{m}^3$	34	60
2.	PM ₁₀ , $\mu\text{g}/\text{m}^3$	61	100
3.	Oxides of Sulphur, $\mu\text{g}/\text{m}^3$	12	80
4.	Oxides of Nitrogen, $\mu\text{g}/\text{m}^3$	15	80
5.	Carbon Monoxide (CO), mg/m^3	Not Detected	2.0

Test method followed -APHA 17th edition (for the examination of air and stack emissions) & IS 5182

ANALYST

LAB. IN CHARGE

AUTHORIZED SIGNATORY

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Analysis Report

NOISE LEVEL MONITORING ANALYSIS REPORT

Test Report No. : ITL/ED/08
Dispatch Date : 11/04/2016

1.	Laboratory Sample No.	ITL/04-16/50/02
2.	Issued to	M/s SAI CONSTRUCTION COMPANY, 42-D, MODEL TOWN, PATIALA, PUNJAB
3.	Name of sample collecting officer.	Dharmber Prajapat & ITLCH Team
4.	Type of sample	Noise Level
5.	Date of sample collection	09/04/2016

Test Results

SN	Location of Sample Collection	Noise Level - day time (Leq)
1.	Keshopur Wetland (Interpretation Center)	64.2
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


LAB IN-CHARGE


AUTHORIZED SIGNATORY

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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.

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