

# Environmental Impact Assessment

---

July 2017

## PAK: Jalalpur Irrigation Project

Project No. 46528-002

Part 5 of 12 of the Appendices

Prepared by Irrigation Department, Government of Punjab for the Asian Development Bank (ADB).

This environmental impact assessment is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature.

In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.



Irrigation Department  
Government of Punjab

# DETAILED DESIGN OF JALALPUR IRRIGATION PROJECT

## Appendices

ENVIRONMENTAL IMPACT ASSESSMENT  
(EIA)

MAY 2017



Detailed Design of Jalalpur Irrigation Project

# APPENDICES

EIA

## LIST OF APPENDICES

Appendix-I:	Project Area of Influence Map
Appendix-II:	Checklists and Performa used During EIA
Appendix-III:	Summer Environmental Monitoring Results 3.1 Ambient Air Monitoring 3.2 Noise Monitoring, 3.3 Surface and Ground Water
Appendix-IV:	Winter Environmental Monitoring Results at Detailed Design Stage
Appendix-V:	A list of Secondary Sources used in Compiling (Biological and Natural Environment) Segment of EIA
Appendix-VI:	A Detailed List of Flora and Fauna Prevalent in the Project Area
Appendix-VII:	PID's Letter to Wildlife Department
Appendix-VIII:	Response Letters from Wildlife Department
Appendix-IX:	Socioeconomic Map showing List of Villages Situated in Project AOI
Appendix-X:	Infrastructure Map of Project AOI
Appendix-XI:	Detailed Proceedings and Photographs of the Workshops
Appendix-XII:	Letter from Archaeology Department
Appendix-XIII:	Project Impact Evaluation Matrix
Appendix-XIV:	Commodity Prices as per Directorate of Agriculture Punjab
Appendix-XV:	Noise Modeling for the Prediction of Noise Levels on Sensitive Receptors during Construction Phase
Appendix-XVI:	Emergency Response Plan for Breach of Canal Bank
Appendix-XVII:	ADB's Prohibited Investment Activities List
Appendix-XVIII:	WHO List of Restricted Pesticides
Appendix-XIX:	Locations of Existing & Proposed Interventions in Project AOI
Appendix-XX:	Punjab Environmental Quality Standards (PEQS)
Appendix-XXI:	Waste Management Plan for Construction Waste & Campsite Waste During Construction Phase
Appendix-XXII:	Approval Forms and Monitoring Sheets
Appendix-XXIII:	Tree Plantation Plan
Appendix-XXIV:	Chance Find Procedure
Appendix-XXV:	Traffic Management Plan



Fig17: Ambient Air Monitoring at Rai Shahr



Fig18: Weather Station Monitoring at Rai Shahr Site



Fig19: Ambient Air Monitoring at Rai Shahr Site

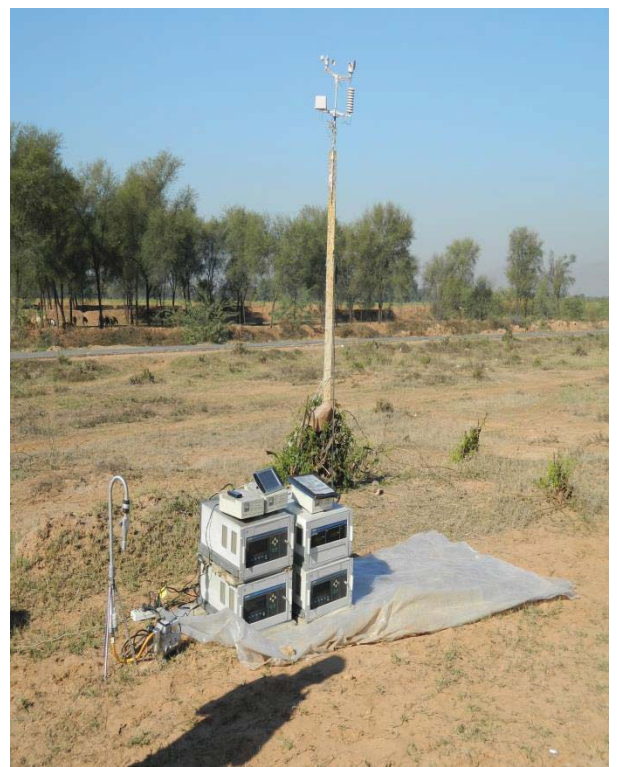


Fig20: Ambient Air Monitoring At Sroba Site



Fig21: Noise Level Monitoring at Sroba Site



Fig22: Weather Station Monitoring at Sroba Site



Fig23: Taking Co-ordinates at Sroba Site



Fig24: Ambient Air Monitoring at Misri Mor site

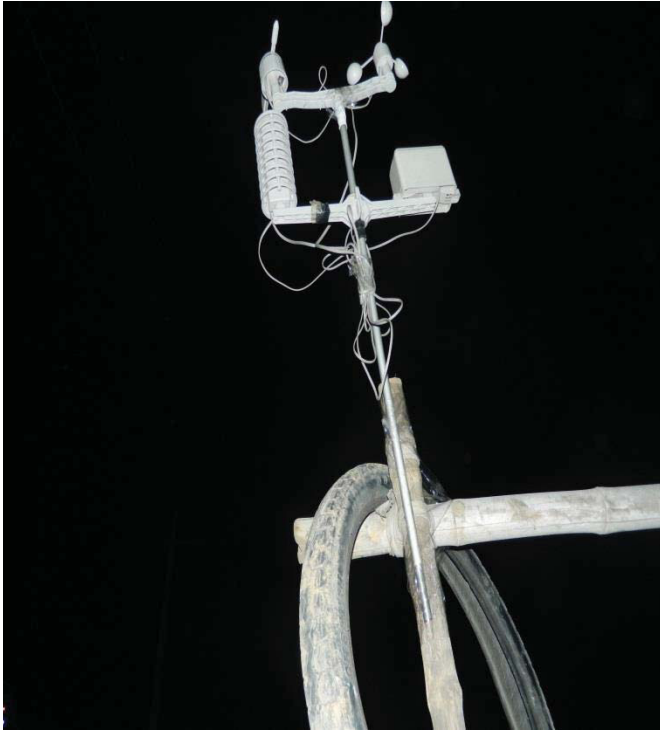


Fig25: Weather Station Monitoring at Missri Mor Site



Fig26: Noise Level Monitoring at Missri Mor Site



Fig27: Ambient Air Monitoring at Pind Dadan Khan Site



Fig28: Taking Co-ordinates at Pind Dadan Khan Site



Fig29: Taking Co-ordinates at Pind Dadan Khan Site



Fig30: Noise Level Monitoring at Pind Dadan Khan



Fig31: Weather Station Monitoring at Pind Dadan Khan Site



Fig32: Ground Water Sampling





Fig33: Waste Water Sampling



Fig34: Testing on field parameters



Fig35: Ground water sampling at Pind Dadan Khan



Fig36: Surface Water Sampling