Environmental Impact Assessment

July 2017

PAK: Jalalpur Irrigation Project

Project No. 46528-002

Part 11 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

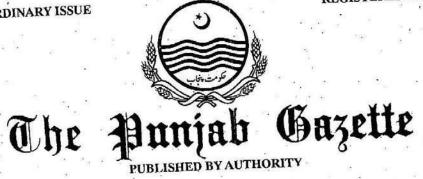
APPENDICES

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				

Appendix XX: Punjab Environmental Quality Standards (PEQS)



LAHORE MONDAY AUGUST 15, 2016.

GOVERNMENT OF THE PUNJAB

NOTIFICATION (121 of 2016)

12th August 2016.

The following Notification No. SO(G)/EPD/7-26/2013, dated 05.08.2016 regarding the Punjab Environmental Standards for Noise is published for general information:

DR SYED ABUL HASSAN NAJMEE

Secretary Government of the Punjab Law and Parliamentary Affairs Department

Government of the Punjab Environment Protection Department

NOTIFICATION: No. SO(G)/EPD/ 7-26/2013. In exercise of the powers conferred under clause (c) of sub-section (1) of section 4 of the Punjab Environmental Protection Act, 1997 (XXXIV of 1997), the Environmental Protection Council has approved the following as the Punjab Environmental Quality Standards for Noise:

Punjab Environment Quality Standards for Noise

		Effective from 1 st July, 2010		Effective from 1st July, 2013	
No.	Category of Area/Zone	Limits in dB(A) Leq*			
		Day Time	Night Time	Day Time	Night Time
161 18	- 11 4 1 Area (Λ)	65	50	. 55	45
1	Residential Area (A)	70	60	65	55
2	Commercial Area (B)			75	65
3	Industrial Area (C)	80	75		45
4	Silence Zone (D)	55	45	50	45

Note:

- 1. Day time hours; 6:00am to 10:00pm.
- 2. Night Time hours; 10:00 pm to 6:00 am.
- Silence Zone: Zones which are declared as such by the competent authority.
 An area comprising not less than 100 meters around hospital, educational institutions and courts
- 4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority
- * dB(A) Leq: Time weighted average of the level of sound in decibel on scale A which is relatable to human hearing.

(IQBAL MOHAMMED CHAUHAN)
Secretary, Government of the Punjab
Environment Protection Department



The Punjab Gazette

PUBLISHED BY AUTHORITY

LAHORE MONDAY AUGUST 15, 2016

GOVERNMENT OF THE PUNJAB LAW AND PARLIAMENTARY AFFAIRS DEPARTMENT

NOTIFICATION (120 of 2016)

12th August 2016

The following Notification No. SO(G)/EPD/7-26/2013, dated 05.08.2016 regarding the Punjab Environmental Quality Standards for Municipal and Liquid Industrial Effluents is published for general information:

DR SYED ABUL HASSAN NAJMEE

Secretary
Government of the Punjab
Law and Parliamentary Affairs
Department