



## **Bi-annual Environmental Monitoring Report**

**Project Number: ADB Loan No. 2972 – Pak Tranche III**

**Jul - Dec, 2014**

**Government of the Islamic Republic of Pakistan**

**ASIAN DEVELOPMENT BANK- PDEIP**

**Power Distribution Enhancement Investment Program**

**Tranche-III**

**Prepared by: Environmental and Social Safeguard Section PMU QESCO**

**Quetta (Pakistan)**

This report does not necessarily reflect the views of ADB or the Government concerned, ADB and the Government can not be held liable for its contents.

## **ABBREVIATION**

<b>A</b>	Augmentation
<b>ADB</b>	Asian Development Bank
<b>BPI</b>	British Power International
<b>BEPA</b>	Balochistan Environmental Protection Agency
<b>BOQs</b>	Bill of Quantities
<b>C</b>	Conversion
<b>CSC</b>	Construction Supervision Consultant
<b>DGS</b>	Distribution Grid System
<b>E</b>	Extension
<b>EIA</b>	Environmental Impact Assessment
<b>EMP</b>	Environmental Management Plan
<b>EMS</b>	Environmental Management System
<b>EARF</b>	Environmental Assessment & Review Framework
<b>SSEMP</b>	Social safeguard and Environmental Management Plan
<b>GOP</b>	Government of Pakistan
<b>GSC</b>	Grid System Construction
<b>HSE</b>	Health Safety & Environment
<b>IEE</b>	Initial Environmental Examination
<b>LARF</b>	Land Acquisition & Resettlement Framework
<b>LARP</b>	Land Acquisition & Resettlement Plan
<b>MC&amp;C</b>	Monitoring, Controlling & Coordination
<b>MFF</b>	Multi Trenches Financing Facility
<b>MM</b>	Mitigation Measures
<b>MVA</b>	Mega Volts Ampere
<b>PPEs</b>	Personal Protection Equipments
<b>PMU</b>	Project Management Unit
<b>PDEIP</b>	Power Distribution Enhancement Investment Program
<b>PS&amp;C</b>	Planning, Scheduling & Coordination
<b>QESCO</b>	Quetta Electric Supply Company
<b>STG</b>	Secondary Transmission Grid
<b>T/LINE</b>	Transmission Line

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## **Part 1- Introduction**

### **1.1 Company:-**

Quetta Electric Supply Company (QESCO) is a Public Limited Utility Company, established in 1998 under Companies Ordinance 1984 and is responsible for distribution of Electric Power to the entire province of Baluchistan excluding Lasbela district under a Distribution Electric Power within its territorial jurisdiction and presently serving approximately over 0.5 Million Customers (Domestic, Commercial, Agricultural, Industrial and others) in the thirty districts of Balochistan.

### **1.2 Project Management Unit (PMU)**

To effectively plan, execute and monitor the project loan No 2972 Power Distribution Enhancement Investment Program (Tranche-3), a Project Management Unit (PMU) has already been established under General Manager/Chief Engineer (Development) comprising of four sections i.e. Planning, Scheduling & Coordination, Procurement, Finance, and Environment & Social Safeguard along with Project Director (GSC).

### **1.3 Detail of Project**

Existing conditions of the QESCO power distribution and transmission system are inadequate to meet rapidly growing demand for electrical power. To cope with this situation, the existing power infrastructure has to be improved and upgraded. The overall contribution of power infrastructure requires institutional arrangements, capacity building that support strategic management of the sector, planning and management of investments. This Project is to help increase the efficiency, reliability, and quality of electricity Power in terms of the overall technical and commercial losses reduction, continuous availability and the improved voltage profile of electricity

The **basic information** of the **ADB loan No. 2972- Pak** is here as under:-

**ADB Loan Number:** 2972 -PAK Tranche-3

**Project Title:** - Power Distribution Enhancement Investment Program (PDEIP)

#### **1.4 Location of the Project:-**

This project covers Construction work of Two 2 No.s of new double circuit 132KV Transmission line in jurisdiction of Quetta Electric Supply Company (QESCO) in 09 Districts of Balochistan that are Quetta, Pashin, Qilasaifullah, Muslim Bagh, Loralai, Khuzdar, Mastung, Manguchar & Kalat.

Borrower:-GOP/ QESCO

Executing Agency:-PEPCO

Implementing Agency:-QESCO

Date of Signing Agreement: 09-09-2013

Date of Effectiveness: 10-12-2013

Date of Loan Closing: 31-12-2016

Date of Last ADB Review Mission: - 17 June, 2014

Amount of Loan: 81.95 Million US\$

#### **1.5 Objectives of the Project**

QESCO through GOP has undergone a Project Financing agreement with Asian Development Bank for:

- Strengthening the capacity of Power Distribution and Transmission networks
- To meet the increasing electricity demand in the selected areas more efficiently
- To upgrade the existing power infrastructure.

## 1.6 Construction activities and progress during six 6 months of tranche 3

(i) Identification of subprojects

(ii) Preparation of PC 1

(iii) Approval of PC 1 from ADB/PEPCO

(iv) Balochistan Environmental Protection Agency (BEPA) has not yet issued No Objection Certificate (NOC) to QESCO for Tranche 3 sub projects under ADB loan No. 2972-Pak Tranche-III whilst the EIA Report of Tranche III subprojects is already submitted to BEPA and letter of admission is received from Baluchistan Environmental Protection Agency vide letter No. DG (EPA)/5138/2014 dated 02-10-2014 **(Annex-A)**

## 1.7 Scope of Work

There are Two 02 Nos. of Turnkey based QESCO-132KV double circuit transmission lines one from Khuzdar 220KV Grid station to Mastung 132KV grid station and second from Loralai 220KV Grid Station to Quetta industrial Grid Station approved Sub projects under ADB Tranche-3. Its detail is here as under:

1. Procurment of Plant, Design, Supply and installation of 132 KV double circuit transmission lines on ACSR Rail Conductor (267 KM), along with associated (14 Nos.) line bays from Loralai-Muslim Bagh-Khanozai & Pishin-Yaru-Quetta Industrial Grid stations.
2. Procurment of Plant, Design, Supply and installation of 132 KV double circuit transmission lines on ACSR Rail Conductor (209 KM), along with associated (10 Nos.) line bays from Khuzdar-Surab & Kalat-Mangochar-Mastung Grid stations.

### ADB APPROVED QESCO TRANCHE-3 SUB PROJECTS Table 1

Project No.	Project Name	Quantity of Projects	Circuit Length in KM
Q1	Installation of 132 KV Double circuit Transmission Line From Khuzdar-surab & Kalat - Mangochar - Mastung	1	209
Q2	Loralai-Muslimbagh-Khanozai & pishin- Yaru- Quetta Industrial	1	267

## **1.8 PHYSICAL STATUS OF SUB PROJECTS TRANCHE-3**

Physical work has not been started yet. However, finalizing of root survey is under process.

## **1.9 Changes in Project Organization and Environmental Management Team**

Environmental and Social officers have been appointed within effective date but Deputy Manager (E&S) yet to be appointed. However, the post of Deputy Manager (E&S) has been upgraded as Manager (E&S). Manager from Civil Engineering is working on the post of Manager (E&S).

Up to date organization chart is attached as **Annexure- B**

## **1.10 Relationships with Contractors, Owner, lenders etc.**

The sub projects are at their initial stages and of Relationship between contractors, owners and lenders are found excellent. No dispute reported during the reporting period.

## **Part II Environmental Monitoring**

### **2. Environmental Monitoring Summary:-**

The sub project of Transmission lines is at initial stages and No any significant environmental impact has been observed/reported during the environmental monitoring, if so that will be recorded and communicated accordingly.

## **Part III Environmental Management**

### **3 EMS, SSEMP and work plans:-**

Both the subprojects are at initial stage, therefore EMS, SSEMP and work plans are ready to be implemented as per EIA Report of subprojects.

#### **3.1 Site Inspection and Audits:-**

Site inspections and audits of the sub projects will be performed with the time and as and when contractor mobilized at the site.

#### **3.2 Non Compliances Notices:-**

If any environmental impact observed at construction and operational stage of subprojects, the non compliance notices will be communicated accordingly.

#### **3.3 Issues Covered:-**

No any major environmental issue has been observed yet, if reported will be communicated/ covered accordingly

#### **3.4 Corrective Action Plans:-**

If any non compliances found during the construction and operation stage of sub projects the corrective action plan will be prepared with in due coarse of time.

#### **3.5 Consultation and Complaints:-**

As the result of consultation with stakeholders none of complaint has been observed during the said period



**3.6 Implementation report on EIA/IEE mitigation requirements of QESCO Subprojects**

References	Requirements	Action to Date	Action required/ Comments

(Annex-A)

OFFICE OF THE DIRECTOR GENERAL BALUCHISTAN  
ENVIRONMENTAL PROTECTION AGENCY  
GOVERNMENT OF BALUCHISTAN  
SAMUNGLI ROAD QUETTA.



Office: 081-9201840 Fax: 081-9201180 Email: [epa\\_baluchistan@yahoo.com](mailto:epa_baluchistan@yahoo.com)

No. DG (EPA)/5138/2014

Dated: 02 / 10 /2014

To,

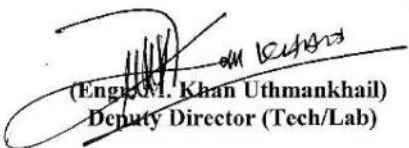
✓  
Engr. Baligh uz Zaman  
General Manager (Dev)  
PMU QESCO  
Tel: 081-9201750  
Fax: 081 9201641

Subject:- **Submission of EIA Report of QESCO Tranche III subproject under ADB LAON NO 2972 PAK (TRANCHE-3)**

The undersigned is directed to refer to your letter No.G.M(Dev)/QESCO/PMU/(1470) dated 18-08-2014 regarding the captioned subject along with schedule- IV and demand draft No.5371848 dated 18/08/2014 for Rs: 70000/- as IEE review fee.

The Initial Environmental Examination (IEE) report is complete as per regulation 9 (a) of the Pakistan Environmental Protection Agency review of IEE and EIA regulation 2000.

Therefore after a preliminary scrutiny, this office confirms the initiation of review process.

  
(Engr. M. Khan Uthmankhail)  
Deputy Director (Tech/Lab)

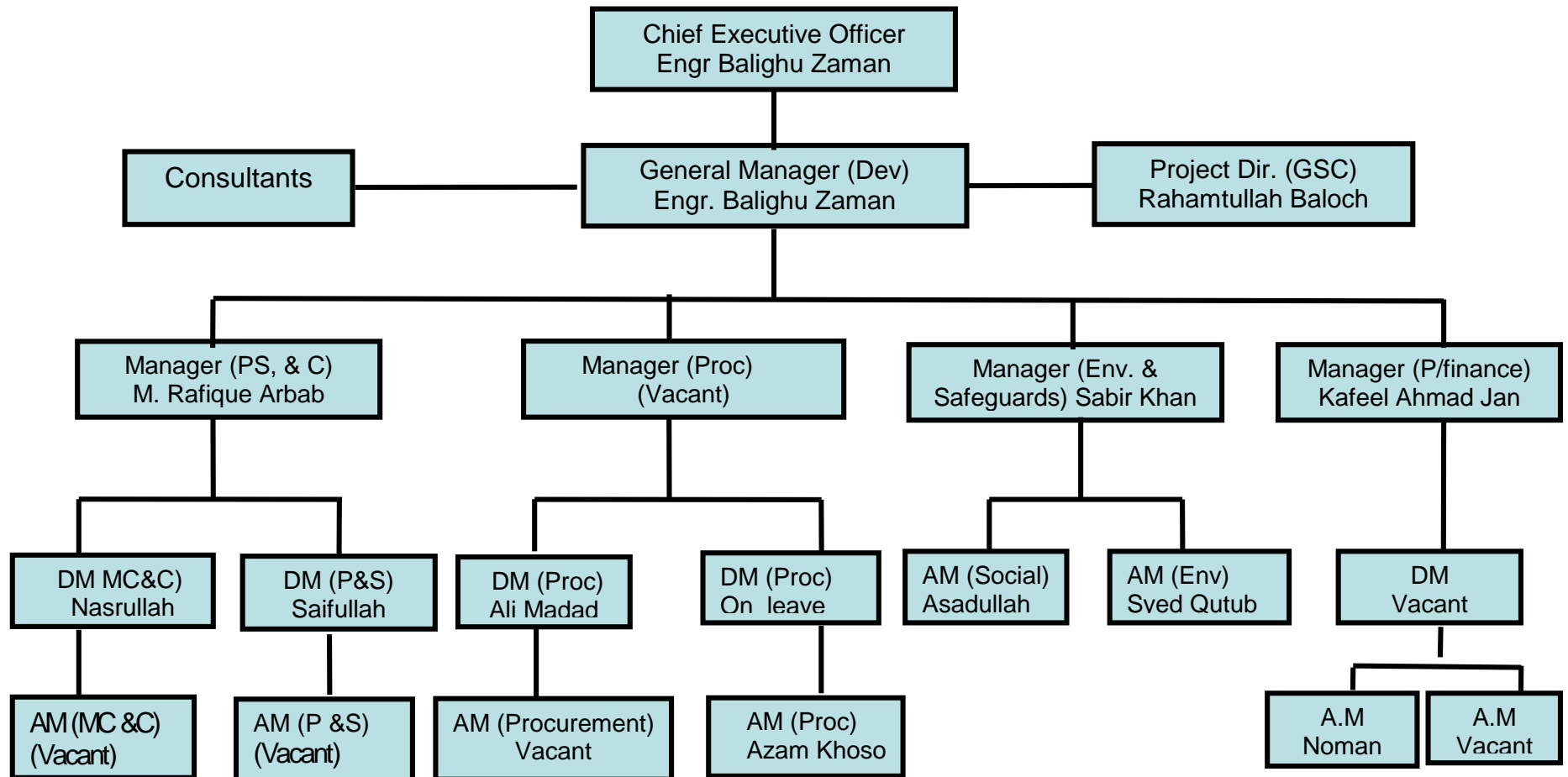
**Copy for information to:**

1. P.S to the Director General Environmental Protection Agency, Quetta.
2. Master File.

**Deputy Director (Tech/Lab)**

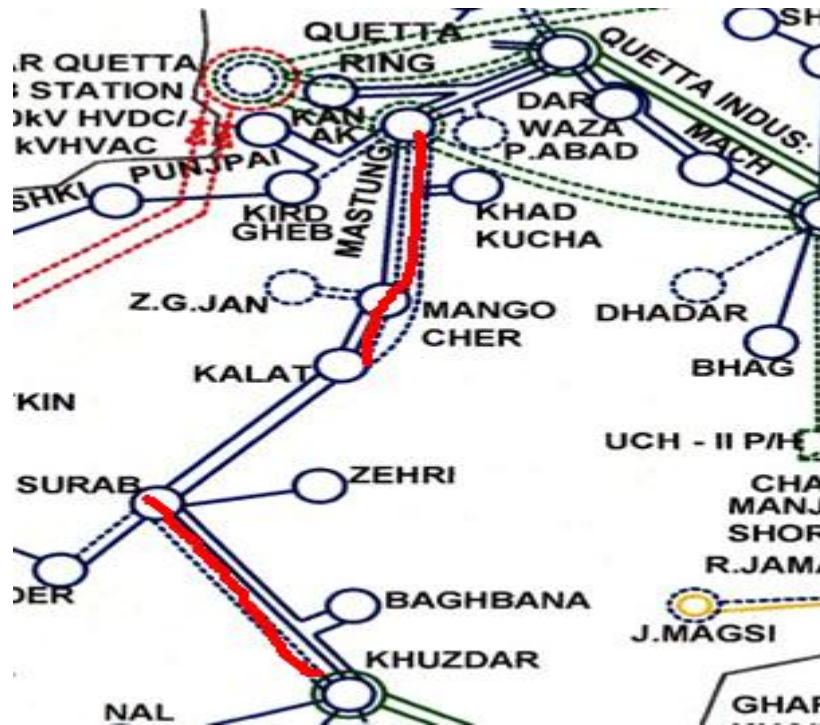
# ORGANIZATION CHART PMU QESCO

(Annex-B)

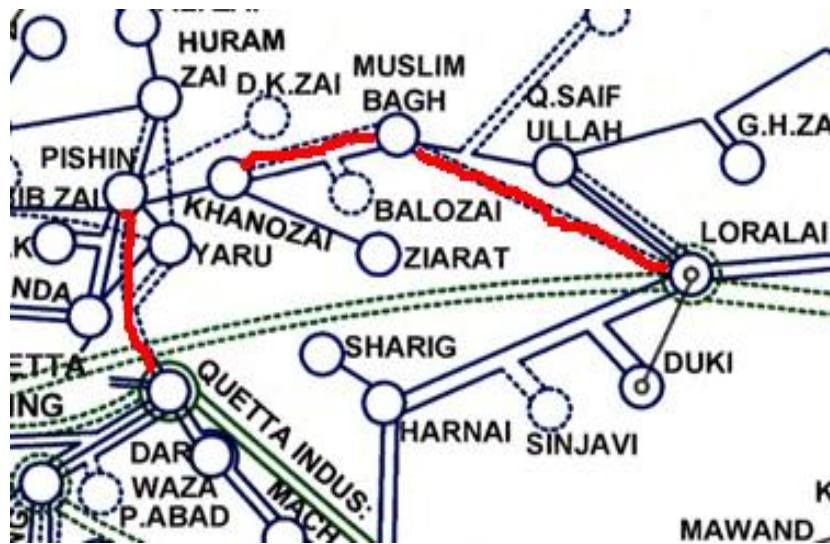


**Lay out Plan of QESCO Tranche III Subprojects**

(Annex-C)



**Q1. Proposed 132 KV double Circuit T/L form Khuzdar-Surab& Kalat-Mangocher-Mastung Grid Stations**



**Q2. Proposed 132 KV double Circuit T/L form Loralai-Muslim Bagh-Khanozai & Pishin-Yaru-Quetta Industrial Grid Stations**

**PHOTOGRAPHS OF EXISTING AND PROPOSED SITES FOR 132 KV T/L KHUZDAR-QUETTA**



(Proposed In and Out for new 32 KV T/L Khuzdar-Quetta)



(Barren area at proposed new 132 KV T/L Khuzdar-Quetta)





(Proposed Hilly & barren area for new 132 KV T/L Loralai-Quetta)



(Exiting 132 KV T/L Loralai to Quetta)