

Part -1 Company Introduction

1. 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 province. QESCO has undertaken the ADB's power distribution enhancement investment project PDEIP Tranche III to enhance the capacity of its power distribution system.

Project Management Unit (PMU)

2. 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 for ADB funded projects since 2009 in QESCO headed by a General Manager/Chief Engineer (Development), under Chief Engineer Development CED supervision four sections are established i.e.

i) Planning, Scheduling & Coordination, ii) Procurement, iii) project Finance and iv) Environment & Social Safeguard. A Project Director Grid System Construction PD GSC is assisting GM (Dev) for all activities related to project execution & implementation.

Detail of Project

3. This Project is to help in enhance 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 in its distribution network system

The basic information of the **ADB loan No. 2972- Pak Tranche 3** is here as under:-

ADB Loan Number: 2972 -PAK Tranche-3

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

Location of the Project:-

4. 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) across 08 Districts of Balochistan i.e. Quetta, Mastung Khuzdar, Kalat, Loralai, Qila saifullah, Muslim Bagh, and Pashin districts.

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 Loan closing revised 31-01-2018

Date of Last ADB Review Mission: - 17 October 2016

Amount of Loan: 81.95 Million US\$

Objectives of the Project

5. 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.

6. In July 2008 Government of Pakistan and Asian Development Bank (ADB) have entered into a Framework Financing Agreement (FFA) to finance the Power Distribution Enhancement Investment Program (PDEIP). The QESCO through GOP has undergone this multi tranche financing facility (MFF) and signed an agreement with Asian Development Bank for:

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

Activities and progress during reporting period of Tranche 3

7. Project declared effective by 22/04/2015 vide letter No PMU /QESCO/GM (Dev)/TR-3/811-14 Dated 23-4-2015
8. Environmental Approval/ No Objection Certificate NOC from Balochistan Environmental Protection Agency (BEPA) have been obtained by QESCO for construction of two new double circuit transmission lines under ADB loan No. 2972-Pak Tranche-III vide letter No. DG (EPA)/011/2015 dated 01/06/2015
(Annex-A)

Scope of Work

9. QESCO through Tranche 3 subprojects undergoes the construction of Two 02 Nos. of -132KV double circuit transmission lines on Turnkey bases, **Q1**- from 220KV Grid station Khuzdar to 132KV grid station surab and then from 132KV G/S Kalat to 132KV G/S Mungchar and then from mungchar to 132KV G/S Mastung and second **Q2** from Loralai 220KV Grid Station to Muslim Bagh Khanozai and Pishin to Quetta industrial Grid Station approved Sub projects under ADB Tranche-3. Its detail is here as under:

ADB APPROVED QESCO TRANCHE-3 SUB PROJECTS Table 1

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

Physical Status of Sub Projects Tranche-3

10. Almost 95 % of the survey of rout and preparation of transmission line profile is completed.

11. 88% of excavation work is done 75% of concrete work is completed 65% erection of tower is done 55% of stinging is completed and 75-80% of line bay foundation civil work is completed. Some of the issue like handling and transportation of materials, proper use of PPEs and waste management issues were observed and any major environmental issue reported during said monitoring period. However, finalizing of root survey is under process.

Changes in Project Environmental Management Team

12. Post of the Deputy Manager (E&S) is lying vacant in E&S Cell, because concerned officer have been retired from his service ssince 1 year and there is no any other Changes occurred in staffing over the reporting period with respect to Environmental Management Team. Up to date organization chart is attached as **Annexure- B**

Relationships with Contractors, Owner, lenders etc.

13. Most of the civil and tower work has been completed, The sub projects are at peak level and of relationship between contractors, owners and lenders are found fair and satisfactorily and no any dispute occurred or reported during this reporting period during this period of repoting.

Part II Environmental Monitoring

Environmental Monitoring Summary:-

14. The main objective of environmental monitoring is implementation of EMP, and compliances with ADBs safeguard policy 2009. As result of environmental monitoring it was observed that construction civil work is in progress at different sections of transmission lines. The excavation and tower foundation is in process in some sections and at other section, erection of tower is being carried out with stringing of power conductor in the remaining sections of the transmission lines the rout survey has almost been finalized .during this period of monitoring no any significant environmental impact has been observed/reported, however some of the observation regarding labors welfare waste management and use of proper PPEs were raised and supervisor was directed to resolve these issues and ensure the compliances. Improvement assessed and if any significant environmental issue reported/observed that will be recorded and communicated accordingly. The contractor is advised to ensure the EMP implementation in compliance with contract agreement.

Part III Environmental Management

EMS, SSEMP and work plans:-

15. Both the subprojects are at under construction stages, therefore EMS, SSEMP and work plans are implemented as per EIA Reports of subprojects. However, some non compliance regarding first aid box, sign boards and usage of PPEs observed during the monitoring of construction activities. The implementation report of mitigation requirement is provided here with this report.

Site Inspection and Audits:-

16. Site inspections and audits of the sub projects have been performed regularly and contractor is directed to ensure the compliance with BEPA

regulation and ADB's SPS Policies in implementation of EMP. layout plan is provided in Annex D and the project area is almost barren and hilly and local communities are avoided photographs of project site are provided at Annex E

Non Compliances Notices:-

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

Issues Covered:-

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

Corrective Action Plans:-

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

Consultation and Complaints:-

20. As the result of consultation with public/stakeholders none of complaint has been observed during the reporting period however Grievance Redressal committee GRC is constituted in QESCO (annex-C) and it was observed that the people of project areas are happy with construction of transmission lines and showed their interest in providing local labor to work for contractor.

Implementation report on EIA/IEE mitigation requirements of QESCO Subprojects

References	Mitigation Requirements	Action to Date/implementation	Action required/ Comments
Orientation for Contractor, and Workers	<ol style="list-style-type: none"> 1. QESCO to engage environmental specialist to monitor and progress all environmental statutory and recommended obligations. 2 Conduct special briefing for managers and / or on-site training for the contractors and workers on the environmental requirement of the project. Record attendance and achievement test. 3. Agreement on critical areas to be considered and necessary mitigation measures, among all parties who are involved in project activities. 4. Continuous progress review and refresher sessions to be followed 	<ol style="list-style-type: none"> 1. QESCO has a fully functional E&S Section, which conducts monitoring activities regularly. 2. Special briefings and on site training have been conducted for the managers, staff and workers on environmental requirements of the project. 3. No any critical area issue/agreement occurred /reported, if so will be communicated 4. E& S Section of PMU QESCO follows the continuous progress and review the project activities 	Regular Training Need Assessment TNA is required for refreshing and continuous professional development of All relevant staff. Induction and six month refresher course as necessarily as contractor complies.
Safety Precautions for the Workers	<ol style="list-style-type: none"> 1. Providing adequate warning signs 2. Providing workers with skull guard or hard hat and hard toe cap shoes. 3. Contractor shall instruct his workers in health and safety matters, and require the workers to use the provided safety 	<ol style="list-style-type: none"> 1. Some of the warning signs are installed at project site. 2. All workers are provided with Personal Protection Equipments (PPEs) 3. Workers are advice to use PPEs, instruction information and supervision 	Continuous monitoring , supervision is required for workers to follow

	<p>equipment</p> <p>4. Establish all relevant safety measures as required by law and good Engineering practices.</p>	<p>is provided to workers for safety matters.</p> <p>4. All relevant safety measures as required by law and good engineering practices have been established as per guidelines.</p>	<p>the safety precautionary measures</p>
Noise	<p>1. Conduct public consultation for less sensitive time for works and schedule works accordingly.</p> <p>2. Heavy equipment/ machinery shall be fitted with effective silencers to minimize the noise.</p> <p>3. Heavy equipment shall be operated only in daylight hours.</p> <p>4. Well maintained haulage trucks will be used with speed controls.</p>	<p>1. At construction site within 100m of sensitive receivers.</p> <p>2. A list of locations of sensitive receiver should be identified by contractor along the ROW during works</p> <p>Drivers are instructed to maintain vehicles regularly to avoid nuisance in vicinity of construction site.</p>	<p>Regular monitoring of contractor supervisor is required for strict compliance</p>

Copy of NOC from Balochistan EPA Quetta



OFFICE OF THE DIRECTOR GENERAL
ENVIRONMENTAL PROTECTION AGENCY
GOVERNMENT OF BALOCHISTAN
SAMUNGLI ROAD, QUETTA
Tel: 081-9201381 Fax: 081-9201180

No. DG (EPA)/ 011 /2015

Dated: 01-June /2015

Subject: - **ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT OF QESCO TRANCHE III SUBPROJECT UNDER ADB LOAN NO2972 PAK (TRANCHE 3).**

1. Name & Address of the proponent:
Engineer Baligh-uz-Zaman,
General Manager (Dev)PMU
QESCO Head Quarters Zarghoon Road Quetta,
Tel# 081-9201750
Fax# 081-9201641
2. Description of the Project:
Power Distribution Enhancement investment Project (PDEIP)
Loan No 2972 Pak Tranche-III
Construction of 132kv Transmission Line from
i) Loralai to Quetta Industrial Grid Station
ii) Khuzdar to Quetta Industrial Grid Station
3. Location of the Project:
Loralai to Quetta, Khuzdar to Quetta
4. Date of Filing of EIA:
22 May 2014
5. After careful review/Examination of the Environmental Impact Assessment (EIA), the Environmental Protection Agency Balochistan, Quetta has decided to accord its Environmental Approval / No Objection Certificate in favour of M/s QESCO subject to the following terms and conditions as laid down in Section 17 & 18 of IEE & EIA Regulation, 2000, subject to the Following conditions.
 - 5.1. Mitigation measure and Environmental Management Plan (EMP) included in the EIA report will be strictly implemented.
 - 5.2. As per legal requirements, specifications, either in lump sum or percentage of the project cost, should be made with regard to Corporate Social Responsibility (CSR), before commencement of the construction work, to help in the social uplift of the project area people and community development. Such specification must be shared with Environmental Protection Agency, Balochistan before start of the project.
 - 5.3. Technique should be adopted to minimize noise pollution, oil spill and Environmental problems during the extension and Augmentation of Power Lines.
 - 5.4. Losses incurred by, and damages done to, the local community, in whatever form, must be financially compensated before commencement of the construction work.
 - 5.5. The details and information of the compensation being paid to the project affectees and complete list of the affectees must be shared with EPA which may at any time verify it.
 - 5.6. All precautionary measures should be strictly be adhered to minimize an negative impacts in the area.
 - 5.7. The proponent M/S QESCO should conduct regular environmental monitoring on monthly basis through a third party consultant and that should be shared with EPA.
 - 5.8. All necessary measures should be taken to ensure that the debris of earthwork and stone work does not impede the smooth flow of drainage, canals, streams, rivers or any other water way whatever the case may be.

- 5.9. Compliance of National Environmental Quality Standards (NEQS) should be strictly adhered to.
- 5.10. The proponent, as per laws, should ensure that two trees are planted in case one tree is cut.
- 5.11. The proponent of the project shall resolve all disputes (if any) related to land prior to start of the line transmission.
- 5.12. EPA Balochistan, in order to ensure implementation of environmental laws and conditions of environmental approval (NOC) agreed with the proponent, may at any time visit project area to ascertain whether compliance of the conditional NOC is in place before, during and after construction of the work. Furthermore, the proponent shall make all necessary arrangements for the visiting team of EPA.
- 5.13. Development plan should be in place for the benefit of the people of the project area under intimation to EPA, Balochistan.
- 5.14. This approval does not absolve the proponent from obtaining any other approval that may be required under any law.
- 5.15. Noise level should be controlled to minimum possible level in order to avoid disturbance to the local people
- 5.16. Local community should be given much priority in the project jobs.
- 5.17. The proponent shall be liable for compliance of Sections 13, 14, 17, and 18 of the "PEPA Review of IEE and EIA Regulations 2000" which direct for conditions for approval, confirmation of compliance, entry, inspection and monitoring.
- 5.18. This approval shall be treated as null and void, if the conditions are not complied with



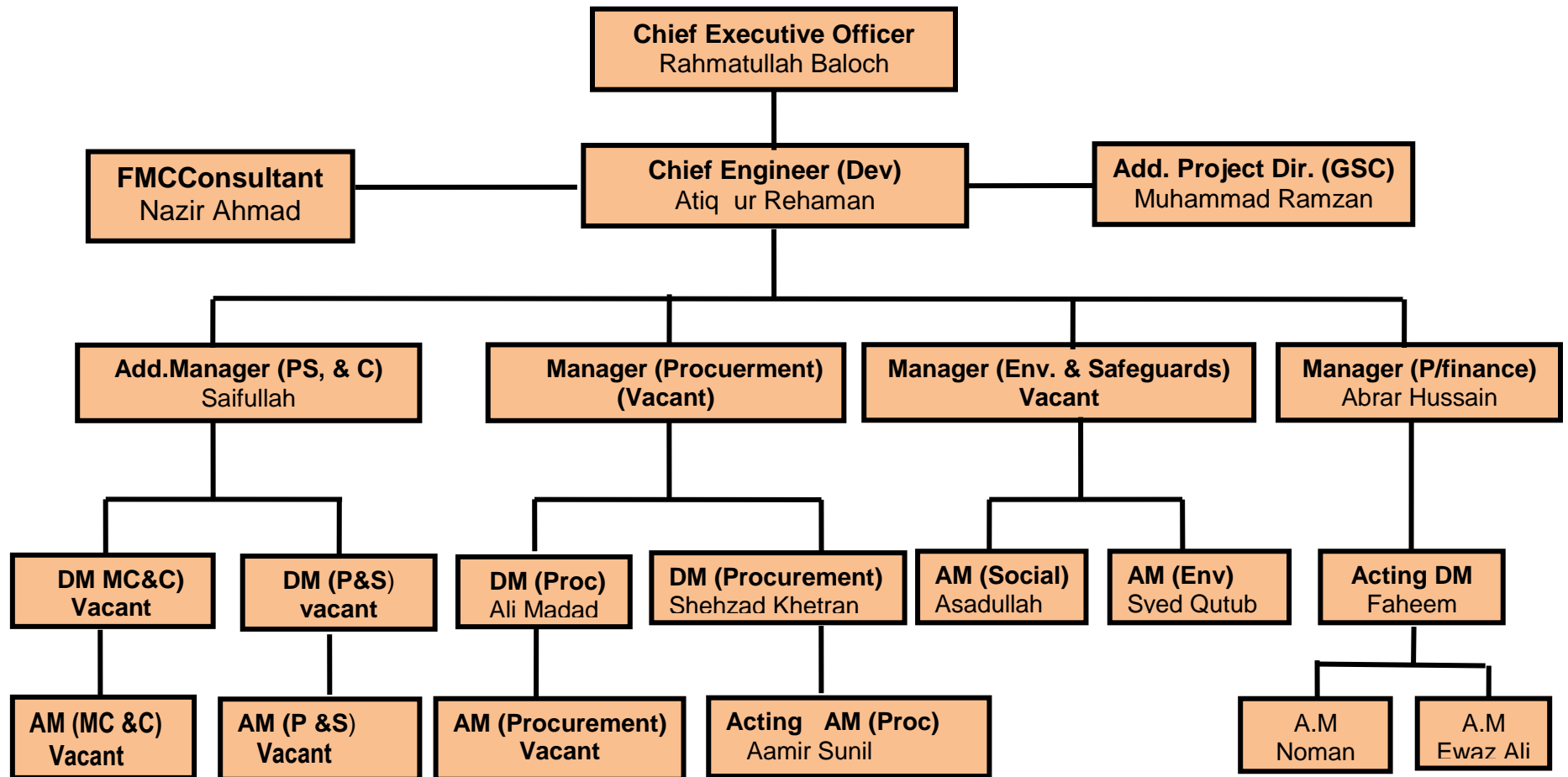
DIRECTOR GENERAL
Balochistan Environmental Protection Agency,
Quetta

Copy to;

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

ORGANIZATION CHART PMU QESCO

(Annex-B)





QUETTA ELECTRIC SUPPLY COMPANY

Phone# 081-9201750
Fax# 081-9201641

OFFICE OF THE
CHIEF EXECUTIVE OFFICER
QESCO HEADQUARTER ZARGHOON ROAD
QUETTA CANTT

NO. CEO/QESCO/GM(Dev)/M(E&S)/ 9 4 7 8 - 9 0

Dated: _____

OFFICE ORDER

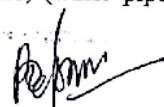
09 MAR 2015

1. Grievance Redressal Committee (GRC) is comprising of following is here by constituted in Pursuance of Tranche-3 ADB approved EIA of Section 7 sub section 7.4 (226).

- | | | |
|-------|---|----------|
| i) | Project Director (GSC) QESCO | Convener |
| ii) | Executive Engineer T/L (GSC) QESCO | Member |
| iii) | Assistant Manager (Environment) QESCO | Member |
| iv) | Assistant Manager (Social Impact) QESCO | Member |
| v) | Concerned Tehsildar/ Naib Tehsildar | Member |
| vi) | Representative of Affected Persons | Member |
| vii) | Environmental Specialist (SMEC) | Member |
| viii) | Contractor's Environmental Specialist | Member |

2. The Committee will be responsible for implementation of Grievance Redressal Mechanism (GRM)

- The mechanism will be used for addressing any complaints that arise during the implementation of projects.
- To receive & facilitate the resolution of affected peoples' concerns, complaints, and grievances about the project's environmental & social performance.
- Status of land acquisition, crops/trees compensation.
- Status of restoration of damaged community infrastructure, (water pipelines, irrigation channels/water courses, drains, roads, streets etc.
- Grievance Redress activities.


**Chief Executive Officer
QESCO, Quetta**

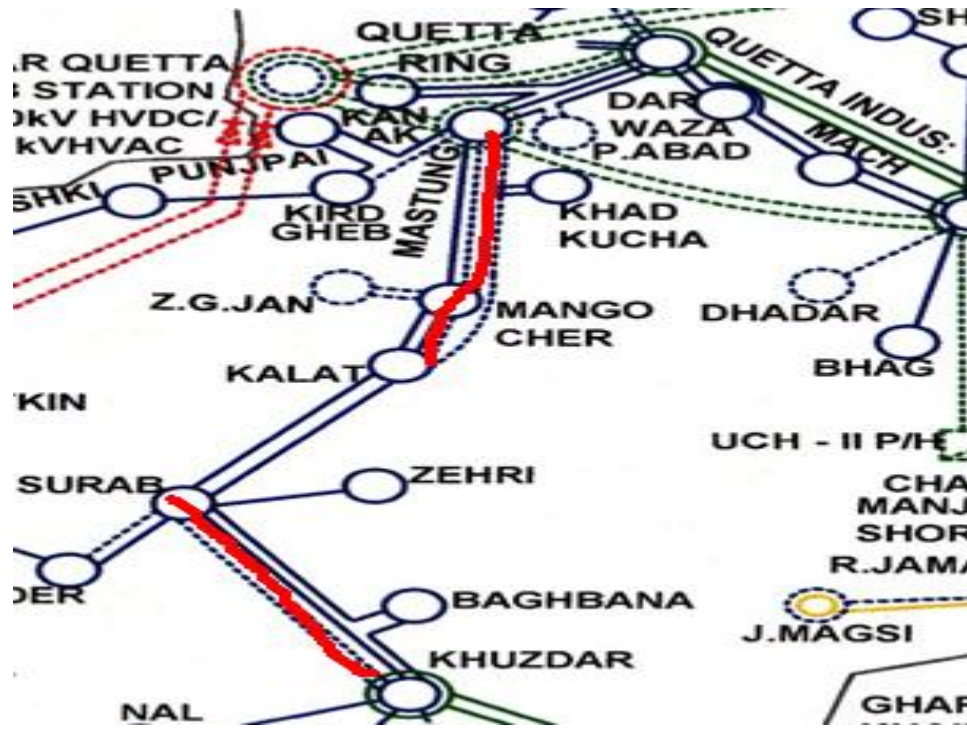
Copy to;

1. Chief Engineer/Technical Director PMU, PEPCO, Lahore.
2. D.G HR & Admin QESCO, Quetta.
3. G.M (Dev) PMU QESCO, Quetta.
4. Officers Concerned _____

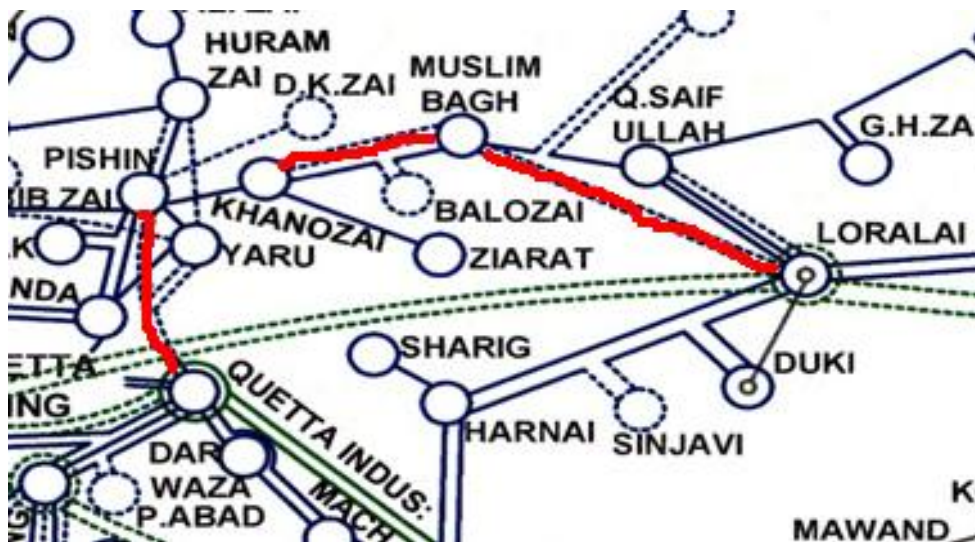
CEO GM(Dev) QESCO
Diary No. <u>220</u>
Date: <u>10/03/15</u>

Lay out Plan of QESCO Tranche III Subprojects

(Annex-D)



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 SITES FOR 132 KV T/L KHUZDAR-QUETTA



Site of proposed new 132 KV T/L Khuzdar - Suraab -- QESCO



Public consultation with affectees of 132 KV T/L Loralai – Quetta industrial at loralai --QESCO



Transformer bay yard of proposed 132KV Grid station Muslim bagh – QESCO



In and Out Double circuit stringing of new 132 KV T/L kalat – Mastung -- QESCO