

Environmental Monitoring Report

Bi-annual Environment Monitoring Report

January 2015

PAK: Power Distribution Enhancement Investment
Program, Tranche 3

Prepared by Gujranwala Electric Power Company, Punjab for the Asian Development Bank.

NOTES

- (i) The fiscal year (FY) of the Government of the Islamic Republic of Pakistan and its agencies ends on 30 June.
- (ii) In this report "\$" refer to US dollars.

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L-2972 PDEIP: GEPCO BAEMR (Jul-Dec 2014) approved for disclosure

Safia Shafiq

to:

Liaqat Ali

26/01/2015 01:06 PM

Cc:

Adnan Tareen, Zehra Abbas, "Jeffrey Bowyer", Jocelyn M. Cabrera, Judy A. Vermudo, Maria Ava Golda A. Destura, Rizwan Haider

Hide Details

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Haider/Contractors/ADB@ADB

1 Attachment



GEPCO BAEMR (Jul-Dec 2014)-Tranche III.pdf

Dear Liaqat Sb.,

The attached BAEMR (Jul-Dec 2014) of GEPCO under L-2972 PDEIP is approved for disclosure. Please have it uploaded on ADB's website and share the weblink with me.

Thanks and regards,

Safia Shafiq

Environment Specialist (Consultant)

Pakistan Resident Mission

Asian Development Bank

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Bi-annual Environmental Monitoring Report

Project Number: 2972-PAK

June- December 2014

Pakistan (Power Distribution Enhancement Investment Program-Multi-Tranche Financing Facility-Tranche-3)

For period: June -December 2014

(Financed by the Asian Development Bank)

Prepared By: Assistant Manager (Environment) PMU, GEPCO

Gujranwala Electric Power Company (GEPCO)

PMU Section 565-A Model Town G.T Road Gujranwala, Pakistan.

Executing Agency (EA) Pakistan Electric Power Company (PEPCO)

Implementing Agency (IA) GEPCO

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

Asian Development Bank

ABBREVIATIONS

ADB	Asian Development Bank
AHs	Affected Households
CED	Chief Engineer Development
E&SS	Environmental and Social Safeguard
EA	Executing Agency
EIA	Environmental Impact Assessment
EPA	Environmental Protection Agency
EPD	Environmental Protection Department
GOP	Government of Pakistan
GRC	Grievance Redress Committee
GS	Grid Substation
IA	Implementing Agency
IEE	Initial Environmental Examination
GEPCO	Gujranwala Electric Power Company
LARP	Land Acquisition and Resettlement Plan
MOW&P	Ministry of Water and Power
MFF	Multi – Tranche Financing Facility
NOC	No Objection certificate
PAPs	Project Affected Persons
PDEIP	Power Distribution Enhancement Investment Program
PEPCO	Pakistan Electric Power Company
PMU	Project Management Unit
ROW	Right of Way
TL	Transmission Line

DEFINITION OF TERMS

Due diligence Report	Projects which do not have any significant social impacts hence do not involve/ require any land acquisition therefore; a brief due diligence report (DDR) is prepared for the documentary requirements.
Environment	Surroundings in which an organization operates, Including air, water, land, natural resources, flora (Plants), fauna (Animals), humans, and their Interactions.
Environmental Aspect	Element of an organization's activities or products or services that can interact with the environment; environmental aspects can be significant or non-significant based on environment risk Assessment and a significant aspect can have.
EIA	Detailed study based on environmental assessment (EA) to determine the type and level of effects an existing facility is having, or a proposed project would have, on its natural environment
Encroachers	Those people who move into project area after the cut-off date and are therefore not eligible for compensation or other rehabilitation measures provided by the project.
IEE	A Preliminary attempt to evaluate environmental impacts in order to determine whether a full-scale environmental impact assessment is needed.
Land acquisition	The process whereby a person is compelled by a public agency to alienate all or part of the land s/he owns or possesses, to the ownership and possession of that agency, for public purposes, in return for fair compensation.
LARP	Projects which do have significant socio-economic impacts hence involve/ require land acquisition therefore; a detail land acquisition and resettlement plan (LARP document) is prepared for the documentary requirements.
Non-Titled	Those who have no recognizable rights or claims to the land that they are occupying and includes people using private or state land without permission, permit or grant i.e. those people without legal title to land and/or structures occupied or used by them. ADB's policy explicitly states that such people cannot be denied compensation.
Replacement Cost	The method of valuing assets to replace the loss at current market value, or its nearest equivalent, and is the amount of cash or kind needed to replace an asset in its existing condition, without deduction of transaction costs or for

any material salvaged.

Resettlement Field Survey

The detailed inventory of losses that is completed after detailed design and marking of project boundaries on the ground, socioeconomic data on the affected households/families, and stakeholder consultations.

Sharecropper

The same as tenant cultivator or tenant farmer, and is a person who cultivates land they do not own for an agreed proportion of the crop or harvest.

Significant Impact

200 People or more will experience major impacts, which are defined as; (i) being physically displaced from housing, or (ii) losing ten per cent or more of their productive assets (income generating).

Vulnerable

Any people who might suffer excessively or face the risk of being marginalized from the effects of resettlement and includes; (i) female-headed households with dependents; (ii) disabled household heads; (iii) poor households (within the meaning given previously); (iv) landless; (v) elderly households with no means of support; (vi) households without security of tenure; (vii) ethnic minorities; and (viii) marginal farmers (with landholdings of five acres or less).

Resettlement Field Survey

The detailed inventory of losses that is completed after detailed design and marking of project boundaries on the ground, socioeconomic data on the affected households /families, and stakeholder consultations.

Table of Contents

Sr. #	Brief Description	Page #
1-	PART-I INTRODUCTION 1.1 About GEPCO 1.2 About project management unit (PMU) 1.3 Brief detail of the sub-projects 1.4 Objectives of the sub-projects 1.5 Estimated project cost 1.6 Construction activities & project progress during past 6 months	2-7 2 3 3 4 4
2-	PART-II ENVIRONMENTAL MONITORING 2.1 Environmental measurement/ testing of noise, vibration, water/ air quality and flora/ fauna monitoring 2.2 Recommendations required showing any exceedences will be prevented in future	7-8 7 8
3-	PART-III ENVIRONMENTAL MANAGEMENT 3.1 Site inspections at sub-project sites 3.2 Consultation and complaints 3.3 Implementation report on EIA/IEE mitigation Requirements	8-10 8 9 10
4-	ANNEXURES 4.1 Organogram of PMU Section (Annexure-A) 4.2 Photographs taken during execution of civil works (Annexure-B) 4.3 Current progress status of civil works (Annexure-C) 4.4 Environmental laboratory testing/ analysis result reports (Annexure-D) 4.5 Non-compliances/ Observations raised during environmental monitoring (Annexure-E) 4.6 Notice of public hearing (Annexure-F) 4.7 N.O.C/ Environmental Approval of Tr.3 funded sub-projects (Annex-G)	11-63 11 12-16 17-18 19-29 30-45 46-63

1-INTRODUCTION

1.1- GEPCO

Gujranwala Electric Power Company Ltd. GEPCO is a Public Limited Utility Company, established in 1998 under Companies Ordinance 1984 and is responsible for distribution of Electric Power within its territorial jurisdiction and presently serving approximately 2.5 Million Customers (Domestic, Commercial, Agricultural, Industrial and others) in the six districts of Province Punjab (Gujranwala, Narowal, Gujrat, Hafizabad, Sialkot and Mandi-Bahawal-din). Area of jurisdiction of GEPCO is attached at *Annexure-A*.

1.2 Power Distribution Enhancement Investment Program

Government of the Islamic Republic of Pakistan (GoP) through Ministry of Water and Power (MOW&P) with assistance of Asian Development Bank (ADB) is implementing the Power Distribution Enhancement Investment Program (PDEIP) under Multi Tranche Financing Facility (MFF). This Program is part of the GoP long term energy security strategy. Pakistan Electric Power Company (PEPCO) has been nominated by Ministry of Water and Power (MOW&P) to act as the Executing Agency (EA) while Gujranwala Electric Power Company (GEPCO) is the Implementing Agency (IA) for execution work in its service area.

1.3 Power Distribution Enhancement Investment Project (PDEIP)-Tranche-III

The Power Distribution Enhancement Investment Project (PDEIP) Tranche-III is designed to provide grid-connected customers with adequate and reliable supply of electricity. The rehabilitation, augmentation, and expansion of power distribution infrastructure will increase the reliability of supply to residential, agricultural, commercial, and industrial customers across Pakistan. A reliable electricity supply will lead to social and economic benefits and improved conditions for schools, hospitals, and social services, among others. The main component of the program is given as under:

- Conversion of 04 No. existing 66kV Grid Stations (Daska, Head-Marala, Siranwali & Malikwal) to 132kV along with T/Lines as an allied component.
- The projects basic information is provided in *Table 1*.

Table 1: Program Basic Information

The Program	Power Distribution Enhancement Investment Program (PDEIP). Multi – Tranche Financing Facility (MFF).
Sub-projects	Tranche –III sub-projects
Location of the Project	06 No. of Districts in the serving territory of GEPCO i.e. Gujranwala, Sialkot, Narowal, Gujrat, Hafizabad and Mandi-Bahawal-din
Sponsoring Agency	Government of Pakistan. Ministry of Water & Power (MoW&P).
Executing Agency	Pakistan Electric Power Company (PEPCO).
Implement Agency	Gujranwala Electric Power Company (GEPCO).
Type of Financing	Loan Amount 8.88 Million US\$ Loan No. ADB 2972 – PAK; Tranche –III Subproject.
Loan Signing Date	November 28, 2012
Loan Effectiveness Date	29-03-2013 (After 60 days of Signing the Agreement).
Closing Date	December 31, 2016
Date of Last ADB Review Mission	November, 2014
Focal Person	Chief Engineer (Development), Project Management Unit , GEPCO Electric Power Company (GEPCO).
Focal Person for Environment & Social Safeguards	Post of Dy. Manager (E&SS) is lying vacant, AM (Environment) & AM (Social) are working in PMU Project Management Unit, GEPCO

1.4 Objective of the Project – PDEIP (Tranche-III)

The main objectives of this investment program are;

- (i) Improve power distribution infrastructure through system rehabilitation, augmentation, and expansion; and relieve the power system from distribution bottlenecks and constraints;
- (ii) Enable continued operation and maintenance in accordance with best international practices; and
- (iii) The system will be capable of meeting peak demand, with electricity outages significantly reduced.

1.5 Scope of Work

There are 04 No. of GEPCO proposed projects under ADB Tranche-2. Its detail is here as under:

- 1. Conversion of 04 No. existing 66kV Grid Stations (Daska, Head-Marala, Siranwali & Malikwal) to 132kV along with 132kV Tr./Lines as an allied component (*Annexure - B*).
- 2. Transmission line component will be executed by GEPCO own sources (*Table: 2*).

Overall the proposed MFF has been designed to address both investment and institutional aspects in electric power sector. Development Objectives/ Project Purpose will be fully achieved after completion of the proposed Sub-projects.

Table: 2

Grid Stations Under Tranche-III								
	Grid Stations		Feeding Line					Total Cost (Rs. Million)
Sr. No	Name	Cost (Rs. Million)	Name	Type	Length (Km)	Conduc tor	Cost (Rs. Million)	
1	Daska	250	In & Out of New Daska- Sahowala T/Line at Daska 132 kV G/S	SDT	3.5	Lynx	35	285
2	Siranwali	207	Kot Agha- Siranwali (Feed for 132kV Siranwali G/S)	SDT	16	Lynx	112	319
3	Head Marala	207	Kotly Loharan-Head Marala (Feed for 132 kV Head Marala G/S)	SDT	6.5	Lynx	45.5	252.5
4	Malikwal	207	In & Out of Bhalwal- Kuthiala Shiekhan at Malakwal G/S	D/C	19	Rail	171	378
Total								1234.5

To carry out and handle the investment projects GEPCO has established Project Management under the administrative control of Chief Engineer (Development). The PMU comprises of 4 sections.

- i. Planning Scheduling & Coordination:** To take the responsibilities for (i) identifying and proposing the subprojects to PEPCO / Donor Agency for approval and financing, (ii) Scheduling and Monitoring (iii) preparing the necessary documentation in line with the statutory, corporate and Donor policies including quarterly reports (iv) coordinate with the consultant.
- ii. Procurement:** To take care of all responsibilities and tasks related to procurement (goods, works and services) and for the activities related to material planning, preparation of bidding documents according to the requirement of the Donors, getting the evaluation done and for placing the orders after approval of the Donors, inspection and then transportation to the site. Arrange release of material thru CRR Karachi and final delivery to the site.
- iii. Project Finance:** They are responsible for taking care of counterpart financing, funds flow arrangements, payments, recording and monitoring of both ADB & Korean funds. Also, will establish, monitor and manage the imprest account and statement of expenditure (SOE) procedures. Furthermore ensure timely preparation of the annual audited project accounts.
- iv. Environment & Social Safeguard:** To take care of all the responsibilities and tasks related to environment, land, and social (including involuntary resettlement and indigenous people) and provide oversight on occupational health, safety and environment safeguards in the working environment. The Environmental & Social Safeguard (E&SS) Section of PMU, GEPCO provides an overall supervision and advisory services during the Pre-Construction phase, Construction phase & Post-Construction phase of the project. The E&SS also assists and advises GSC Directorate, Construction Directorate and other GEPCO departments on environmental and social matters. Presently, the E&SS Section has one Environmental and one Social Impact expert under the supervision of a Deputy Manager Environmental and Social Safeguard (E&SS). The organizational structure/ Organogram is attached at (*Annexure-A*).

2-Construction activities and project progress during previous 6 months

7. Contractor is executing the civil work activities for the Conversion of Siranwali grid stations while construction activities for remaining 03 existing grid stations (Daska, Head Marala and Malikwal) has been yet started.

There is 01 Contractor M/s Sinosteel Equipment & Engg. Manufacturing Co. engaged by GEPCO to execute civil work activities at sub-project sites. Following civil work activities have been carried out **(Photographs of civil works attached at Annexure-B)**

3-Changes in Project Organization and Environmental Management Team

8. Mr. Anar Khan is working as Manager (Procurement) and got additional charge of Manager (P.S&C). While Mr. Mehr Rehman Khan (Manager P.S&C) and Mr. Basit Zaman Ahmad (Chief Engineer Development) both have been transferred to IESCO, Islamabad. Now, posts of Manager (P.S&C) and Chief Engineer (Development) are lying vacant in GEPCO. Mr. M. Fiaz has taken over the charge of Finance Director GEPCO and post of Manager Finance is lying vacant.

Relationship with Contractors, owner and lender etc.

GEPCO PMU team has excellent relationship with the Contractors, Owner, lender etc.

(Part II)-Environmental Monitoring

9. PMU, GEPCO conducted environment and safeguard inspections at sub-project sites in Sialkot and Malikwal. (GEPCO-draft notice on Non-compliances, Observations raised, recorded and reported to concerned Project Manager (Constructions) (Copies attached at Annexure-C)

Environmental Measurement/ Testing of Noise and Vibration, Water Quality, Air Quality and Flora/ Fauna Monitoring

10. Earlier, GEPCO sent draft to concern project managers' construction (M/s Sinosteel, China) to conduct and submit laboratory test results of soil investigation, noise, water and air quality. In compliance, ABB-Pak, Siemens-Pak and ICC-Pak had submitted environmental testing/ analysis result/ reports of this quarter that comply with NEQS.

(Laboratory test results/ reports of noise, water and air quality attached at Annexure-D)

Recommendations required showing how any exceedences will be prevented in the future

12. The Environmental Monitoring and Management Plan (EMMP) enlisted in EIA Reports have been made part of the bidding documents of civil works (Turnkey Project)

and the contractors are made bound to quote specified amount (0.1 million US\$) has been reserved) in the BOQs for implementation of EMMP.

Part-III Environmental Management

13. The Environmental Monitoring & Management Plan (EM&MP) along with respective EIA/ IEE Reports of sub-projects have been made part of the bidding documents of civil works (turnkey projects). The Environment Management Plan (EMP) has been translated, typed/ edited into Urdu; approval received from the C.E.O (GEPCO) for its implementation at all sub-project sites as well as uploaded/ posted on GEPCO official website (www.GEPCO.Com.Pk/PMU). Assist. Manager (PMU) GEPCO conducted training program on EMP at all GEPCO sub-project sites.

14. The contractors have been made bound to quote specified amount (0.1M US\$ that has been allocated) in the BOQs for the implementation of EM&MP.

Site Inspections at Sub-project sites

15. PMU, GEPCO conducted environment and safeguard inspections at sub-project sites in Sialkot and M.B.Din.

Non-Compliance Notices—Summaries the details on the number of notices given out and the issues covered Summaries the ranking of issues

16. The Detail of raised Non-compliance, Observations with corrective actions request were sent to all Project Manager (Construction) for compliance. **(Copy attached at Annexure-E)**

Corrective Action Plans-Report on timeliness of preparation and Completion

17. The pointed Non-Conformities/ Observations have been recorded and reported to all concern Project Manager's Construction for compliance. All corrective actions have been taken as desired. **(Corrective actions taken enclosed at Annexure-F)**

Consultation and Complaints – Report on any consultation undertaken and list any complaints received

18. Environmental & Social Complaint Register both in English and Urdu versions have already been communicated and implemented by the Project Director (GSC), XENs TLC/ T&G at respective project sites. So far, No affected person/ household has logged/ filed any Complaint in PMU/ GSC Office. **(Notice of public hearing enclosed at Annexure-G)**

Implementation Report on EIA/IEE Mitigation Requirements

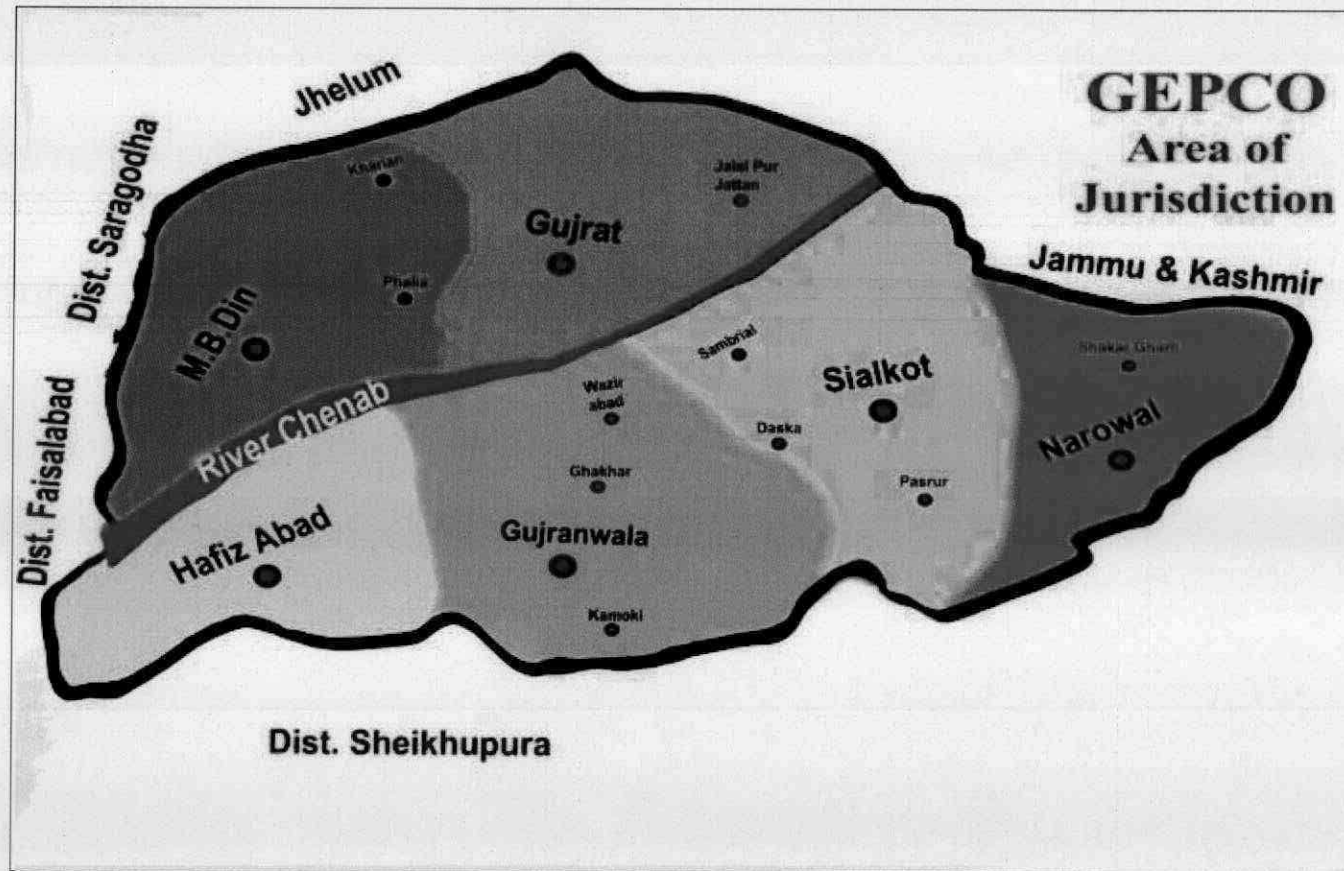
Reference	Requirement	Action to date	Action Required/ Comment
Compliance of EIA/ IEE Report during Execution of Project Civil Work	Inclusion of EIA/ IEE Report in Bidding DOC's	EIA/ IEE Reports along with EM&MP have been included/ made part of the Bidding DOC's	DONE
Compliance of Environment Monitoring & Management Plan during execution of Project Civil Work	Inclusion of EM&MP in Bidding DOC's	EM&MP draft Docs have been included/ made part of the Bidding DOC's	DONE
Urdu translation, typing /editing of EMP into Urdu and its posting/ uploading at GEPCO official website	Inclusion of EMP in EIA/IEE Reports as well as in Bidding DOC's	NOC's/ Environmental Approval received by GEPCO from EPA, Lahore	DONE
0.1 Million Budget for EM&MP Implementation	Allocation of budget by Contractor	Rs. 0.1 Million US\$ has been allocated for implementation of aforesaid plan	DONE
Implementation/ Internal Monitoring of EM&MP at all sub-project sites	Capacity building programs on EM&MP at all sub-project sites	Capacity building/ training conducted by GEPCO at all sub-project sites	In-process

GEPCO Tranche 3 Projects ADB PDEIP MFF

Table: 3a

<u>Project Number</u>	<u>Project Name</u>	<u>Type of Project</u>	<u>Voltage</u>	<u>Estimated Cost (Millions PKR)</u>	<u>Short Land Acquisition & Resettlement Plan Reports</u>	<u>Initial Enviornmental Examination Reports</u>	<u>Remarks</u>
G1	Malikwal	Conversion of Gr.St. from 66kV to 132kV and associated 132kV Tr./Line	66kV to 132kV	250	Working Draft submitted to SMEC (PEPCO Consultant)	Working Draft submitted to SMEC (PEPCO Consultant)	Associated 132kV T/Line Component will be executed by GEPCO own sources
G2	Head Marala	Conversion of Gr.St. from 66kV to 132kV and associated 132kV Tr./Line	66kV to 132kV	250	Working Draft submitted to SMEC (PEPCO Consultant)	Working Draft submitted to SMEC (PEPCO Consultant)	
G3	Siranwali	Conversion of Gr.St. from 66kV to 132kV and associated 132kV Tr./Line	66kV to 132kV	250	Working Draft submitted to SMEC (PEPCO Consultant)	Working Draft submitted to SMEC (PEPCO Consultant)	
G4	Daska	Conversion of Gr.St. from 66kV to 132kV and associated 132kV Tr./Line	66kV to 132kV	325	Working Draft submitted to SMEC (PEPCO Consultant)	Working Draft submitted to SMEC (PEPCO Consultant)	
		Total Conversion from 66kV to 132kV		1,075			
		Total Projects	Total Cost (Millions PKR)	1,075			

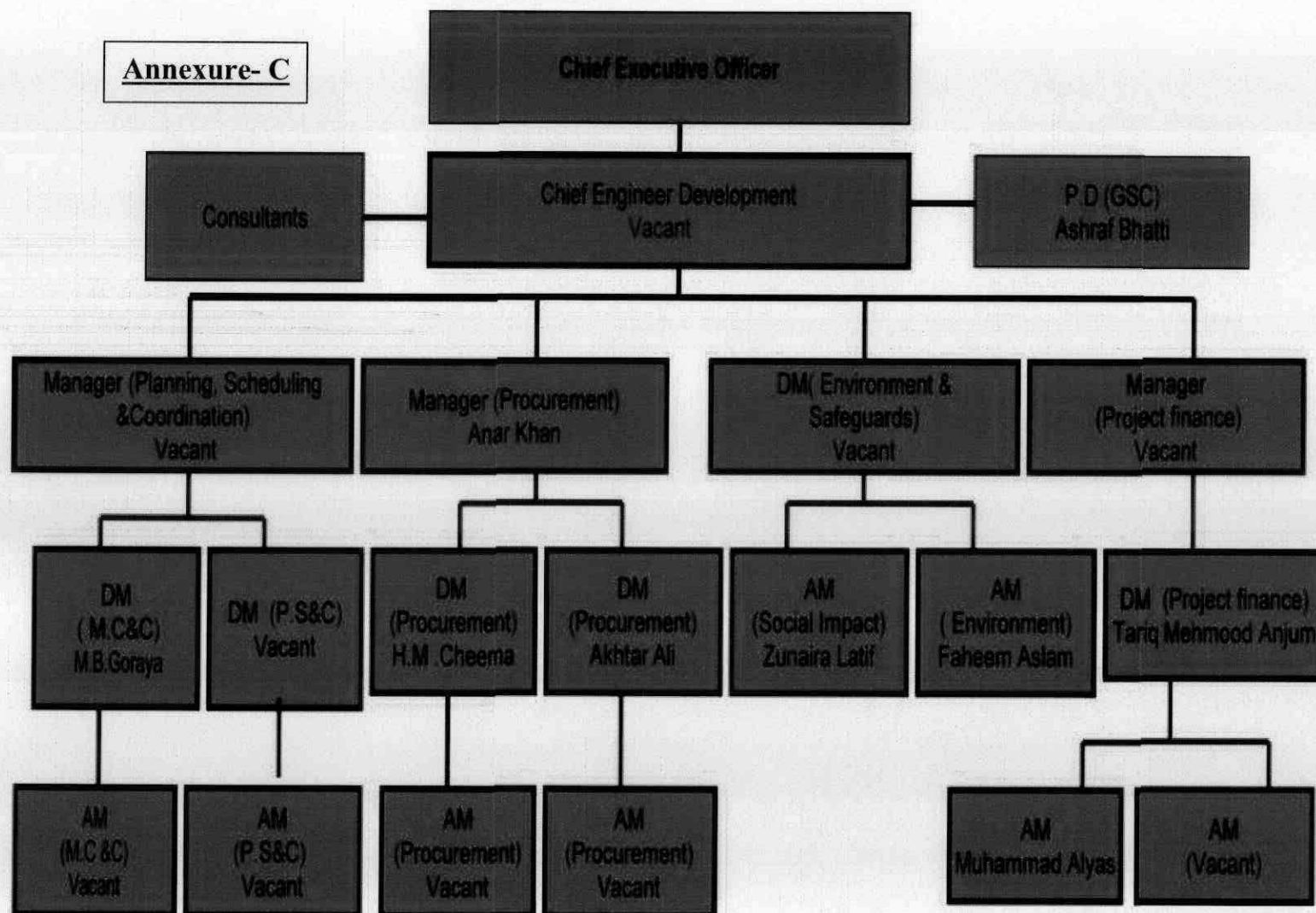
Annexure- A



Annexure- B

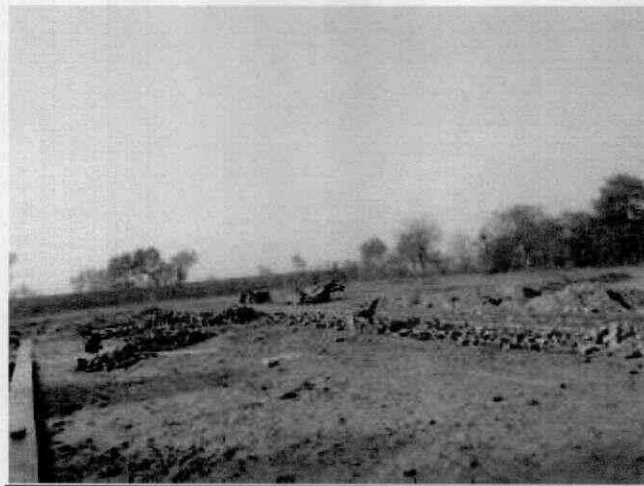
GEPCO Tranche 3 Projects. (18 October 2012)							
<u>Project Number</u>	<u>Associated Project</u>	<u>Project Name</u>	<u>Type of Project</u>	<u>Quantity of Projects</u>	<u>DISCO Estimated Cost (Millions PKR)</u>	<u>SMEC Estimated Costs Excluding Administrative Costs</u>	<u>Transformers</u>
G1	Kothiala Shaikan S/C	Malikwal	Conversion from 66kV to 132kV	1	250	207	2 X 26MVA
G2	Kotli Loharan	Head Marala	Conversion from 66kV to 132kV	1	250	207	2 X 26MVA
G3	Kot Agha	Siranwali	Conversion from 66kV to 132kV	1	250	207	2 X 26MVA
G4	Saho Wala / Daska Industrial	Daska	Conversion from 66kV to 132kV	1	325	287	3 X 26MVA
			Total Conversion from 66kV to 132kV	4	1,075	908	
			Total Projects	4	1,075	908	
					PKR Million	PKR Million	

Annexure- C



Annexure- F

Visited Project Sites/ Inspections at Siranwali Substation



ANNEXURE-D

Non-compliance/Observations noted at sub-project sites



GUJRANWALA ELECTRIC POWER COMPANY LIMITED

585-A MODEL TOWN G.T. ROAD GUJRANWALA

Phone # 055-9200836
PBX # 055-9200519-2
FAX # 055-9200594

Memo No. 1079-80

Manager (ISO) Circle
GEPCO, Gujranwala

OFFICE OF THE
CHIEF EXECUTIVE OFFICER
GEPCO, GUJRANWALA

Dated: 12-04-2014

Subject: SITE INSPECTION's in Lieu of Environmental Approval/N.O.C for
Conversion of 03 No. of Gr/Stations from 66kV to 132kV (Daska, Head
Marala, Siranwali in Sialkot District)
Detail of raised Observations during inspection

Ref: Assist Manager (Environment) GEPCO along with District Officer (Environment)
Sialkot, visited the aforesaid sub-project sites on 07 and 08 April 2014;

During the inspection, Environment Protection Agency representative/DOE
expressed his satisfaction about the captioned sub-project sites; since the land is already
in GEPCO possession. After the completion of EPA inspection, some observations have
been pointed out by Environment Officer (GEPCO) at existing 66kV facility.

The detail of Observations along with snaps (copy provided at Annex-A) is as
under:-

66kV Daska and Head Marala Gr./Stations

- 1-Oil leakage/spillage on ground observed from power transformers.
- 2-Dust, paper/cloth waste found inside cable trenches, a potential fire hazard.
Cleaning of cable trenches required.

66kV Siranwali Gr./Station

- 1-Boundary wall of grid station found fell at one place with open access to local
community to enter inside grid station, its construction work is required.
- 2-Cigarette found inside grave yard, separate smoking area to be reserved.
- 3-Shrubs (bushes, vegetation) in grid station are grown up that can cause fire
and insects/mosquitoes brought up. The cutting of shrubs is required.

It is therefore, requested to direct your respective formations to take corrective
actions at aforesaid sub-projects under intimation to this office at your earliest
convenience.

[Signature] 9/4/14 *[Signature]* 9/4/14
(Ch. Muhammad Anwar)
Chief Engineer (Development)
GEPCO H/Q Gujranwala

cc

- 1- The Chief Engineer O&M (T&G) GEPCO, for his kind information please.



GUJRANWALA ELECTRIC POWER COMPANY LIMITED

565-A MODEL TOWN G.T. ROAD GUJRANWALA

Phone # 055-9200836
PBX # 055-9200519-2
FAX # 055-9200594

Memo No: 1121-22

Manager (GSO) Circle
GEPCO, Gujranwala

OFFICE OF THE
CHIEF EXECUTIVE OFFICER
GEPCO, GUJRANWALA

Dated: 17-04-2014

Subject: SITE INSPECTION's in Lieu of Environmental Approval/N.O.C for
Conversion of 01 No. of Gr/Station from 66kV to 132kV (Malikwal) in M.B.Din
(District)
Detail of raised Observations during inspection

Ref:- Assist Manager (Environment) GEPCO along with District Officer (Environment)
M.B.Din visited the aforesaid sub-project site on 10 April 2014;

During the inspection, Environment Protection Agency representative/DOE expressed his satisfaction about the captioned sub-project sites; since the land is already in GEPCO possession. After EPA inspection, some observations have been pointed out by Environment Officer (GEPCO) at existing 66kV facility.

The detail of Observations along with snaps (copy provided at Annex-A) is as under:-

66kV Malikwal Gr./Station

- 1-Boundary wall of existing grid is marked by barbed wire only. Concrete boundary wall required at all four sides of boundary.
- 2-Oil leakage/spillage on ground observed from power transformers.
- 3-Open electric DB found without panel along with bare/exposed electric wiring.
- 4-Dust, paper/cloth waste found inside cable trenches, a potential fire hazard. Cleaning of cable trenches required.
- 5-Pond filled with waste water required immediate cleaning, a potential outbreak of Dengue/malaria disease.

It is therefore, requested to direct your respective formations to take corrective actions at aforesaid sub-project under intimation to this office at your earliest convenience.

gsl
11/4/2014 *g/c*
Ch
(Ch. Muhammad Anwar)
Chief Engineer (Development)
GEPCO H/Q Gujranwala

CC:

- 1- The Chief Engineer O&M (T&G) GEPCO, for his kind information please.

Sub: - Environmental and Safeguard Inspection at Under Construction Siranwali Sub-

Station along with Tr./Line (Sialkot) GEPCO Sub-Project funded under ADB PDEP MFF Tranche-3

Ref- PMUGEPCO Officers visit to subjected site on Monday dated: 05-01-2014;

During inspection, following observations were noted at subjected sub-project sites
(Snaps attached herewith for ready ref.):-

Siranwali Sub-Station Conversion from 66kV to 132kV

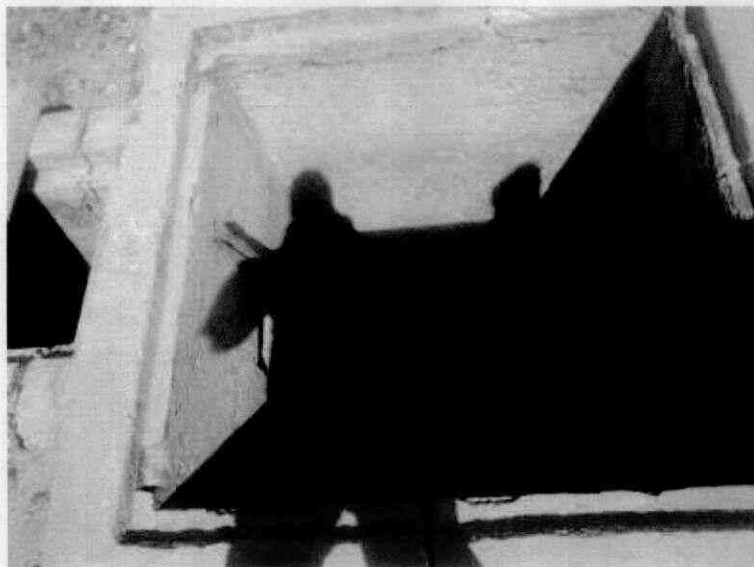
1. No dedicated Safety Officer/ Supervisor found at work site.
2. Some workers found working without using PPEs (personal protective equipments) Safety shoes, overall & helmet.
3. No trained first aid, fire fighting personnel and first aid box found at work site.
4. No accident/incident register and complaint book found at work site.
5. Boundary wall of existing sub-station found fell at one place (near entrance gate) With open access to local people. It may cause theft accident in the future.
6. One child found working under 18 years of age. No child labor (not holding CNIC) is allowed at work site
7. Solid waste, debris, cigarette packets and empty cement bags found all over the work place. A well identified/marked waste disposal site is required.
8. Work place found not cordoned off/barricaded with warning tape.

You are requested to take-up the corrective actions and control measures in place within 15 days under intimation to this office as desired.

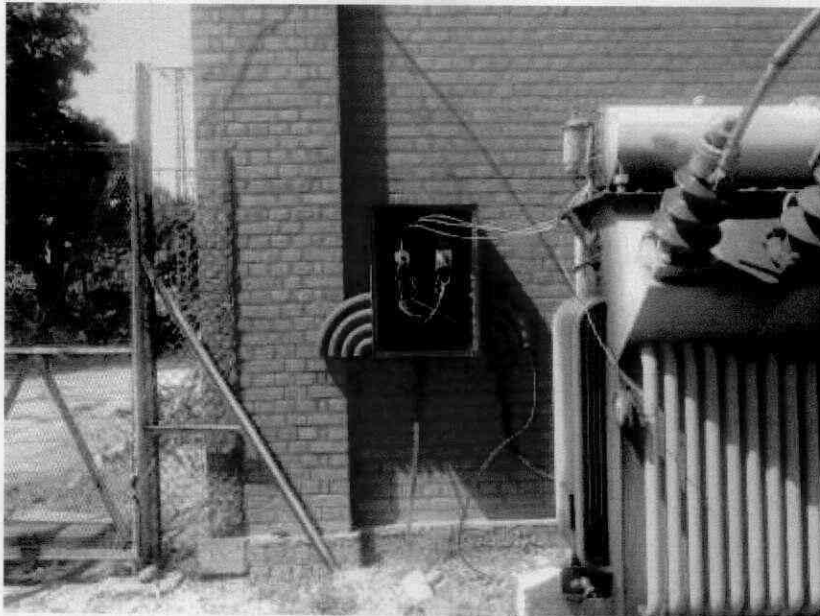
Malikwal 66kV Grid Station (Existing)



Concrete boundary wall required



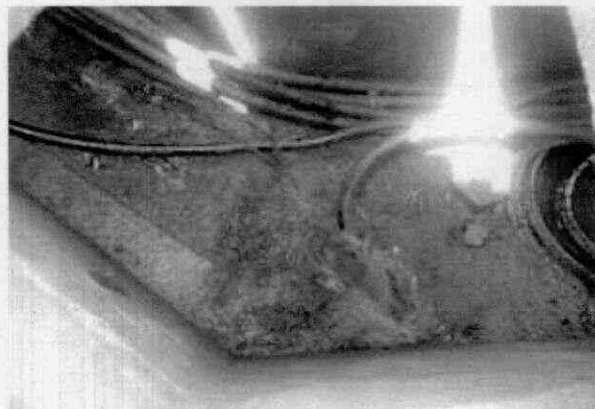
Pond filled with waste water required cleaning.



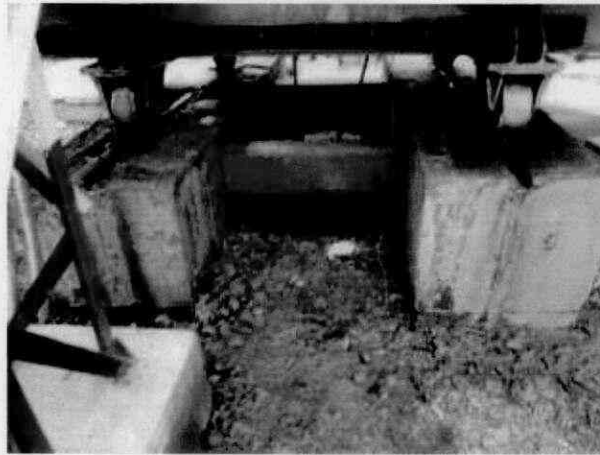
Open DB found without panel



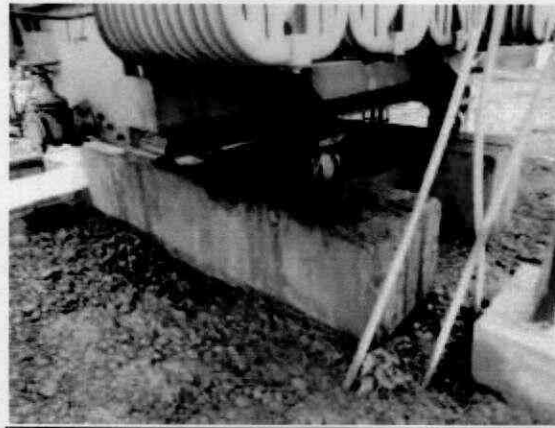
Exposed wiring found

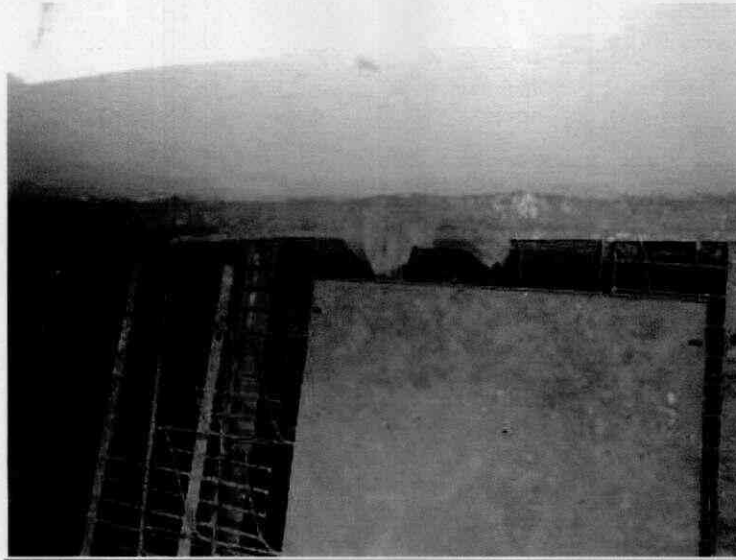


Cleaning of cable trenches required.



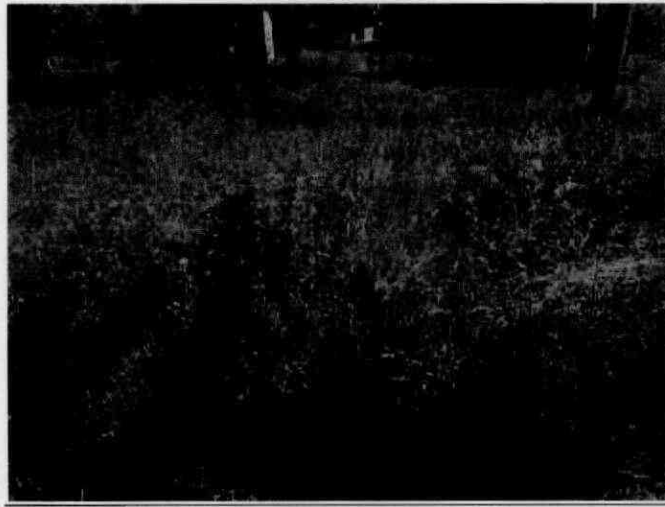
Oil leakage/spillage at 66kV Daska Gr./Station





Cloth waste/dusty cable trenches at Daska, Head Marala Gr/Sts.





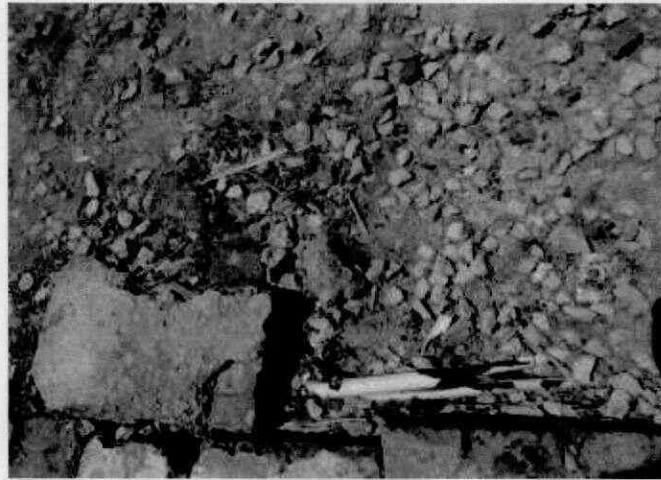
Overgrown shrubs requires cutting in Siranwali gr. Station



Boundary wall fell down at one point in Siranwali gr. St.



Cigarettes found inside grid yard area Siranwali Gr. St.



**NOTICE OF PUBLIC HEARING****Chief Engineer (Development) PMU,****Gujranwala Electric Power Company (GEPCO) Head Quarter, Gujranwala
Public Hearing OF Environmental Impact Assessment (EIA) for Conversion OF
04 Nos Grid Stations from 66kV to 132kV in Sialkot & Mandi-baha-ud-din**

All stakeholders' interested/ affected persons and the general public are notified that the Environmental Protection Agency (EPA) Punjab has admitted the application for grant of Approval/N.O.C for Conversion of 4 Nos. of Existing 66kV Grid Stations to 132kV in GEPCO region (Sialkot & Mandi-baha-ud-Din districts).

All stakeholders' interested/ affected persons and the general public are invited to submit their written comments in favor or opposition of Environmental Approval of the aforesaid projects to Deputy Director (EIA), EPA Punjab National Hockey Stadium Ferozpur Road Lahore, within a period of 30 days from the date of this publication/ advertisement.

The detail document of Environmental Impacts Assessment (EIA) of the project is available at following locations for view of General Public:

1. Punjab Public Library, Old Anarkali, Lahore.
2. District Officer (Environment) offices in Sialkot & Mandi-baha-ud-Din.
3. Environmental Protection Department Library, Near National Hockey Stadium Ferozpur Road Lahore.

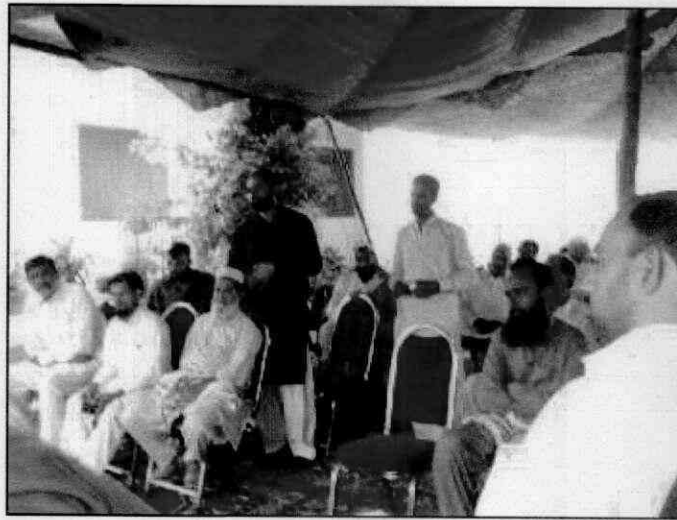
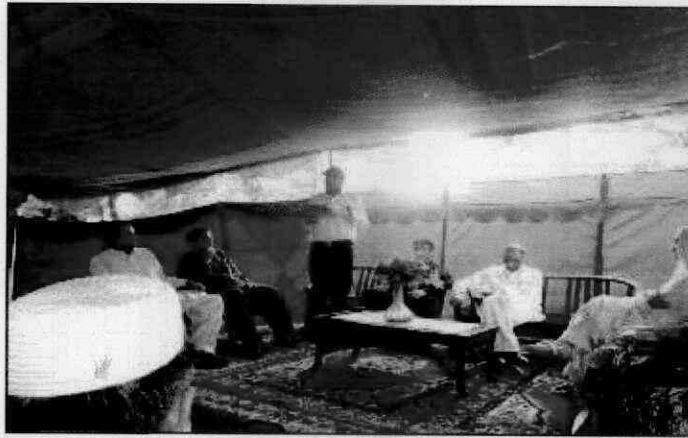
A public hearing will be conducted at the below mentioned places/locations. All stakeholders interested / affected persons and the general public is invited to attend the hearing as per given schedule:

1. For District Mandi Baha ud Din, on Wednesday Dated: 04-06-2014 at **66kV Grid Station Malakwal, GEPCO, Timing: 11:00 AM.**
2. For Sialkot, on Thursday Dated: 05-06-2014 at **66kV Grid Station Old Daska, GEPCO, Timing: 11:00 AM.**

For more information please contact:

- **Ch. Muhammad Anwar**, Chief Engineer (Development) PMU, GEPCO H/Q, 565-A Model Town G.T Road, Gujranwala.
Ph. No: 055-9200592-3, Fax, No: 055-9200594
- **Farooq Hameed Sheikh**, Director General, Environmental Protection Agency H/Q, Near National Hockey Stadium Ferozpur Road, Lahore.
Ph. No: 042-99232228, Fax. No: 042-99232229





Annexure – H



ENVIRONMENT PROTECTION DEPARTMENT

Government of the Punjab

National Hockey Stadium, Ferozpur Road, Lahore



NO. DD(Env)/EPA/F-54(EA)/3110/2013/1785

Dated: 11/11/2013

To

Mr. Javed Iqbal Ghamman,
Chief Engineer (Development),
Gujranwala Electric Power Company Limited,
565-A, Model Town, G.T. Road,
Gujranwala.

Subject:

DECISION OF EPA PUNJAB FOR CONVERSION OF 04 NO. GRID STATIONS FROM 66-KV TO 132-KV IN GEPCO REGION UNDER ASIAN DEVELOPMENT BANK FUNDED POWER DISTRIBUTION ENHANCEMENT INVESTMENT PROGRAM (PDEIP) TRANCHE-III
(Under Section 12 of the PEP Act, 1997 (amended 2012) read with IEE/EIA Regulations, 2000)

1. Description of Project: Conversion of 04 No. Grid Stations from 66KV to 132 KV in GEPCO Region under ADB Funded Power Distribution Enhancement Investment Program Tranche-III to enhance the capacity of its system.
2. Location of Project: The project sites are located at Malikwal, District Mandi Baha-ud-Din and Head Marala, Siranwali & Daska, District Sialkot.
3. Date of submission of case: 01.11.2013.

4. After review of the Environmental Impact Assessment (EIA) Report and other documents, the Environmental Protection Agency, Punjab has decided to accord its approval for the construction of the above mentioned project to safeguard the environmental issues subject to the following conditions:


- i. The proponent shall ensure compliance of National Environmental Quality Standards (NEQS).
- ii. Mitigation measures suggested in the EIA Report and Environmental Management and Monitoring Plan (EMMP) shall be strictly adhered to minimize any negative impacts on soil, groundwater, air and biological resources of the project area. The proponent will depute staff to monitor compliance of EMMP.
- iii. Monitoring shall be carried out during the entire period of the project activities. Monitoring reports shall be submitted to EPA, Punjab on **monthly** basis.
- iv. The proponent shall be responsible for adopting appropriate mitigation measures for controlling anticipated environmental hazards.
- v. Camping sites shall be located at suitable distance from any settlement to avoid disturbance to the local people. Sewage generated from camping sites shall be treated in septic tanks and soak pits or by other appropriate methods. The septic tanks and soak pits should be constructed at a suitable distance from any permanent or seasonal water source. Septic tank and soak pits should not be located in the areas where high ground water table exists.
- vi. At least 90% unskilled and to extent possible skilled jobs shall be given to locals after providing them proper training.
- vii. Compensation shall be provided to inhabitants in case of loss of agricultural land, crop, property, etc. in accordance with the rates that are agreed upon. All conflicting issues regarding compensation, etc. should be settled amicably before or during the project activities.
- viii. The proponent shall not discharge untreated wastewater in a surface or sub-surface water body.
- ix. Arrangements shall be made for safe disposal of solid waste, used oil and hazardous waste. The waste shall be retained within the unit boundary / premises and shall be disposed off in an environment friendly way at a suitable disposal facility.

- x. The construction material shall be piled / stored in such a way that it shall not destroy the flora / environment of the locality.
- xi. The proponent shall ensure that strict and efficient health and safety measures are in place for protection of workers backed by a comprehensive emergency response system.
- xii. The proponent shall plant at least 5000 trees of minimum height 6-7 feet especially of indigenous species in and around the every Grid Station in the town on available space in consultation with District Officer (Environment) within six months.
- xiii. The proponent shall do proper landscaping after completion of the project.
- xiv. The proponent shall prefer Gas Isolated Switchgear (GIS) technology for the establishment of Grid Stations.
- xv. The proponent shall not use Polychlorinated Biphenyl (PCBs) in the transformers and shall use environment friendly oil for this purpose.
- xvi. The objections / complains of the locals / stakeholders (if any) shall be redressed on priority basis.
- xvii. The proponent shall care about noise issued during construction and operation stage of the project.
- xviii. The proponent shall provide a copy of this letter and EIA Report to the contractor for his information and compliance.
- 5. The proponent shall be liable for correctness and validity of the information supplied to this department by the consultant.
- 6. The proponent shall be liable for compliance of Sections 13, 14, 17 and 18 of IEE/EIA Regulations, 2000, regarding approval, confirmation of compliance, entry, inspections and monitoring.
- 7. This approval is accorded only for the installation/construction phase of the project. The proponent will obtain approval for operation of the Project in accordance with Section 13(2)(b) and Section 18 of the IEE/EIA Regulations, 2000.
- 8. Any change in the approved project shall be communicated to EPA, Punjab and shall be commenced after obtaining the approval.
- 9. This approval does not absolve the proponent of the duty to obtain any other approval or consent that may be required under any law in force. This approval shall be treated as null and void if all or any of the conditions mentioned above, is / are not complied with and is subjudice to the legal proceedings in any court of competent jurisdiction / legal fora.
- 10. This approval shall be valid (for commencement of extension / installation / enhancement)) for a period of three years from the date of issue under Section 16 of IEE / EIA Regulations, 2000.
- 11. This approval can be withdrawn at anytime without any prior notice if deem necessary in public / national interest. *Am*


 (AMEN HANIF)
 ASSISTANT DIRECTOR (EIA)
 for Director General, EPA, Punjab
 Ph: # (042)99232228

NO. & DATE EVEN

- A copy is forwarded for information and necessary action to:
- i) The District Officer (Environment), Sialkot. He is requested to ensure compliance of the above-mentioned conditions / measures under intimation to this office.
 - ii) The District Officer (Environment), Mandi Baha-ud-Din. He is requested to ensure compliance of the above-mentioned conditions / measures under intimation to this office.


 (AMEN HANIF)
 ASSISTANT DIRECTOR (EIA)
 for Director General, EPA, Punjab