

Due Diligence Report

Laying of 132 kV Copper Cable b/w Sunny-View — Mcleod Road Grid Stations

September 2016

PAK: MFF – Power Distribution Enhancement Investment Program (Tranche 4)

Prepared by Lahore Electric Supply 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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Re: Fw: DDR of sunny view-Macload road 

Jose Tiburcio Nicolas to: Liaqat Ali

15/12/2016 06:45 AM

Cc: Ehtesham Z. Khattak, Zhang Lei, Nurlan Djenchuraev, Safia Shafiq

Dear Liaqat sb,

I have reviewed the attached social DDR for the laying of a 132 kV copper cable between Sunny View-Mclead Road Grid Stations. The subproject will use the existing center and side of the road and will not involve any land acquisition or IR impacts. The consultations noted that stakeholders welcome the subproject, with a request from the university to time the digging during the school break. I endorse acceptance and disclosure of the social DDR. I also endorse clearance of the subproject from the social safeguards aspect. This may require some mitigation on the impact on traffic. Hence, I am copying my environment colleagues to check if this has been properly covered in the IEE/EMP.

Regards,

Tito S. Nicolas

Senior Social Development Specialist (Safeguards)
Pakistan Resident Mission
North Wing Level 8, Serena Office Complex
Khayaban-e-Suhrawardy, G-5, Islamabad, Pakistan
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+92 51 2600351-69/ 208 7300 ext 219
+92 305 9419662 (mobile)



Liaqat Ali

Dear Tito: One more for your review, comments...

14/12/2016 08:45:04 AM

From: Liaqat Ali/PRM/ADB
To: Jose Tiburcio Nicolas/CWRD/ADB@ADB
Cc: Zhang Lei/CWRD/ADB@ADB, Ehtesham Z. Khattak/PRM/ADB@ADB
Date: 14/12/2016 08:45 AM
Subject: Fw: DDR of sunny view-Macload road

Dear Tito:

One more for your review, comments and/or clearance for disclosure please.

Regards,

Liaqat Ali, Project Analyst, Pakistan Resident Mission
Level 8, North, Serena Office Complex, G-5, Islamabad/Pakistan
Tele: (92-51) 2600351-69/2087210 Fax: (92-51) 2600365-66/2087397-98
email: lali@adb.org.

----- Forwarded by Liaqat Ali/PRM/ADB on 14/12/2016 08:44 AM -----

From: Muhammad Usman <uniqueromi@yahoo.com>
To: "jnicolas@adb.org" <jnicolas@adb.org>
Cc: "zlei@adb.org" <zlei@adb.org>, Liyaqat Ali <lali@adb.org>

Date: 13/12/2016 04:56 PM
Subject: DDR of sunny view-Macload road

Respected sir

Please find enclosed herewith the DDR of underground cable of sunny view-Macload road duly reviewed by Ms SMEC for your kind perusal please

Regards

Muhammad Usman



Deputy Manager(E&S) PMU LESCO DDR Sunny View.docx

Islamic Republic of Pakistan

In Association with

Asian Development Bank (ADB)



Pakistan Power Distribution Enhancement MFF Project

Tranche IV (Saving Component)

Loan No.3096-PAK

**Laying of 132 kV Copper Cable b/w Sunny-view – Mcleod Road
Grid Stations**

Due Diligence Report

December 2016

Lahore Electric Supply Company

(LESCO)

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List of Abbreviations

ADB	Asian Development Bank
AP	Affected Persons
DISCOs	Distribution Companies
EA	Executing Agency
LESCO	Lahore Electric Supply Company
MFF	Multi-tranche Financing Facility
MoWP	Ministry of Water & Power
PEPCO	Pakistan Electric Power Company
ROW	Right of Way
TEPA	Traffic Engineering Planning Agency
LDA	Lahore Development Authority
WAPDA	Water and power Development Authority
WASA	Water and Sanitation Agency

Due Diligence Report

Laying of 132 kV Power Cable (Copper) b/w Sunny view – McLeod Road Grid Stations

1. PROJECT OVERVIEW

1. The Government of Pakistan (the Government) has requested the Asian Development Bank (ADB) to support the Power Distribution Enhancement Investment Program (the Investment Program) and provide financing through a multi-tranche financing facility (MFF) for \$810 million over 10 years. The Investment Program is designed to provide grid-connected customers with adequate and reliable supply of electricity. The rehabilitation, augmentation, and expansion of the eight power Distribution Companies (DISCOs) will increase the reliability of supply to residential, agricultural, commercial, and industrial customers in Pakistan. A reliable electricity supply will lead to social and economic benefits and improved conditions for schools, hospitals, and other social services.
2. This Investment Program will (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) commercialize DISCO operations. Specifically, (i) DISCOs will adhere to regulatory requirements and comply with regulated security standards; (ii) about 12,000 gigawatt-hours (GWh) of additional energy is forecast to be supplied through the national grid annually; (iii) the system will be upgraded to meet peak demand, with electricity outages significantly reduced; and (iv) 30 million additional people will have access to electricity from the national grid by 2018.
3. Pakistan Electric Power Company (PEPCO) has been nominated by Ministry of Water and Power (MOWP) to act as the Executing Agency (EA) with each DISCO being the Implementing Agency (IA) for work in its own area. PEPCO's role in the processing and implementation of the investment program is that of a coordinator.
4. Lahore Electric Supply Company (LESCO) implemented the Tranche-4 program which included thirty five (35) extension and thirty two (32) augmentation sub-projects, at overloaded substations. Now in order to utilize the savings from T-IV Loan No.3096-Pak, LESCO has included this subproject in the scope of work as Saving Component (T-IV) for ADB's financing.

5. The said subproject comprises of Laying of 132 kV Power Cable (Copper) b/w Sunny view – Mcleod Road Grid Stations. Mcleod Road Grid Station is one of the oldest grid stations constructed about 35 years ago and is feeding important areas and commercial hub of old Lahore including Shakra-e- Quaid-e-Azam (Mall Road), Beaden Road, Nisbat Road, Anarkali Market, Mayo Hospital, Aitchison college, Wapda House etc.

6. Background

7. Mcleod Road Grid Station is presently connected to Power system through a single source of Mochi Gate Grid Station via underground 132 kV cable. In case of any power failure at Mochi Gate Grid Station, the whole area of old city of Lahore including very important government and private offices/departments, educational institutes and hospital etc which are being fed by Mcleod Road grid station will also be drowned in darkness and this situation will put the LESCO's consumers in a vulnerable condition.
8. In order to provide a second source for uninterrupted supply of electricity, Mcleod Road grid station was connected to Sunny View Grid station via 132 kV underground Aluminum cable. However, this 132 kV under ground circuit/cable is under fault since long and cannot be repaired anymore to provide continuous supply to Mcleod Road Grid Station. Therefore, laying of 132 kV copper cable b/w Sunny view – Mcleod road is essential and unavoidable in order to ensure continuous electricity supply for this commercially and geographically significant area of Lahore city.

9. The Subproject

10. The SP covers only the laying of 132 kV underground power cable (copper cable) between Mcleod Road grid station and Sunny View Grid Station. The route for laying of new underground cable will be followed starting from Mcleod Road Grid Station, passing through Cooper road, Edgerton road and will end in Sunny View Grid Station. There are shops, restaurants, Government Offices, educational institutes and other commercial centers along the proposed route. Length of route will be approximately 1.65 km. Map is given in Annexure A.
11. This route is a tentative route and will be finalized once the contractor will be mobilized to conduct survey and finalize the design.

12. Potential Social and Resettlement Impacts

13. No purchase of land and dislocation of people is involved for this subproject as underground cable will be laid down using the sides and centre of roads throughout the tentative route between two grid stations. ROW will be provided by TEPA and LDA. LESCO will obtain NOC from TEPA, LDA, WAPDA, WASA and other relevant government agencies through contractor for construction work.

14. There are no directly affected persons (APs) and no compensation payment is involved. However, traffic will be disrupted temporarily during construction activity and in order to mitigate it, Traffic Management Plan will be prepared and implemented by the contractor in liaison with TEPA after finalization of route for underground cable. As per initial survey and design information obtained from relevant planning and operation staff, none of the business activities will be interrupted or closed permanently, however, in case of any unforeseen event of business disruption temporarily, cash compensation for the period of business interruption will be paid to the affected persons (APs) by LESCO. LESCO will ensure proper implementation of these measures through contractor and E&S cell PMU and external monitors will be responsible for monitoring implementation activities regarding E&S safeguards.

15. Due Diligence

16. As there are no directly affected persons (APs) and no compensation payment is involved, the preparation of a LARP for this SP is not required and hence this brief due diligence report has been prepared to documentary requirements of both the LESCO and ADB.

17. Community Consultations

18. Two Consultation sessions were carried out along the proposed route of 132 kV underground Power Cable between Mcleod Road and Sunny View grid station. The route passes from commercial hub of the city and is densely populated and congested. LESCO E&S team contacted and apprised the stakeholders regarding the project to know their concerns and reservations. During consultation, workers and owners of commercial centers, shopkeepers and representatives of government agencies and offices welcomed this project in order to get relief from low voltage and forced load shedding problems and also showed their consent for underground laying of cables and demanded LESCO to convert other overhead 132 kV Transmission Lines also into underground power cables system in densely populated areas of Lahore. All the respondents were of the view that the laying of cable will disturb their movement temporarily but the project will be beneficial in long run. However, representative of Government College for Women situated on Cooper road suggested that the construction activity in front of College Premises should be performed preferably during summer vacation period if technically possible. Detail regarding community consultation is given in Annexure A. Photographs of key sections of the proposed route are also given in Annexure B.

Annexure A

Public Consultation held on September 05 & 06, 2016

List of Participants in Consultation Sessions

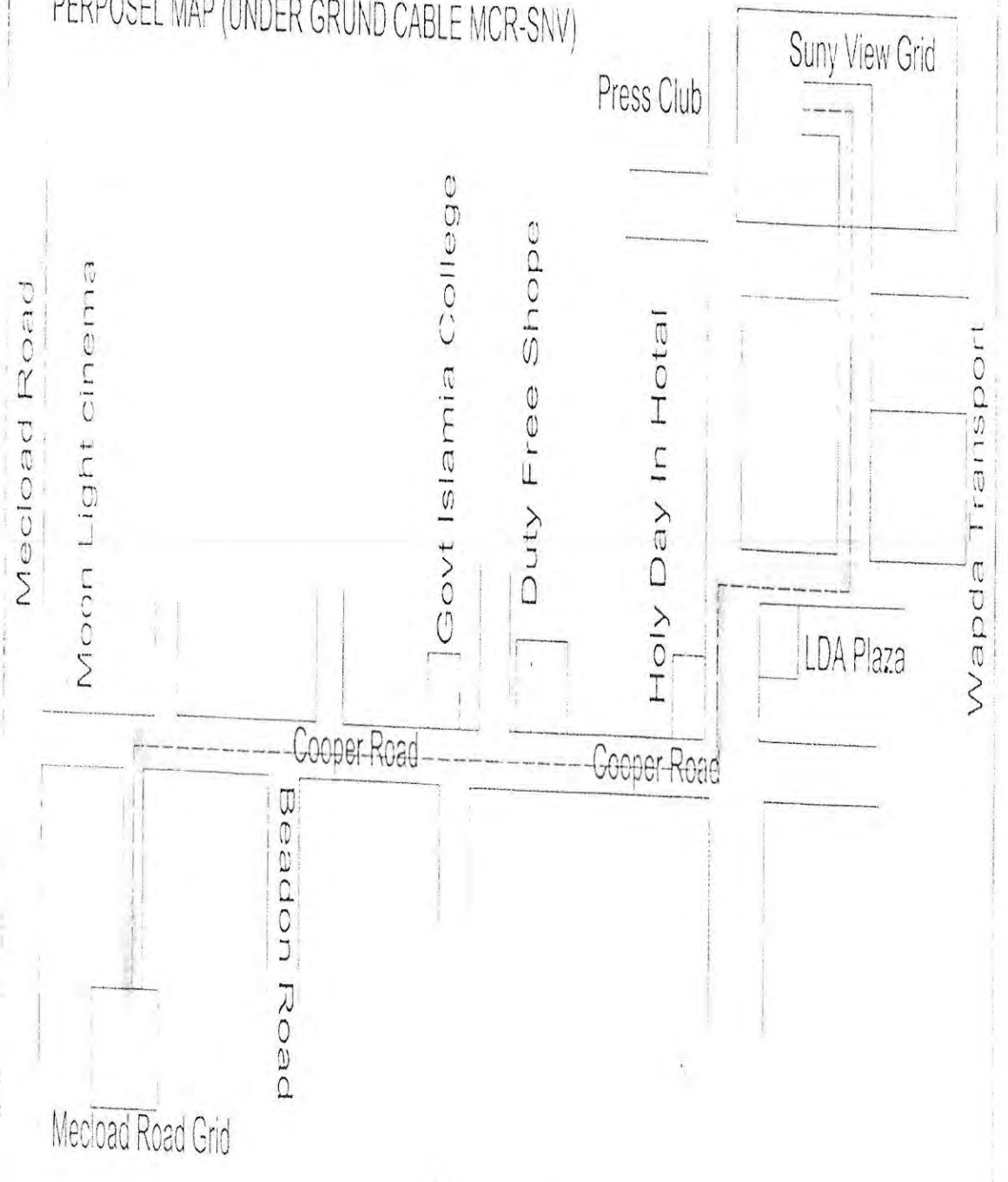
Sr.No.	Name of participants	Address
1	Waheed Ahmad	Waheed Traders Cooper Road
2	Gulam Hussain	Tea Shop Cooper Road
3	Abdul Razzaq	Electrical Shop Cooper Road
4	Kabeer Ahmad	Cooper Road
5	Zuhaib Ahmad	Click One Printing Cooper Road
6	Mr.Idrees	Idrees Traders Cooper Road
7	Mr.Ibrahim	Yaqoob Plastic Cooper Road
8	Iftikhar Ahmad	Cooper Road
9	Gafoor Ahmad Niazi	Sun & Star Cooperation Cooper Road
10	Sh.Javed Iqbal	New Lucky Traders Cooper Road
11	ShMujeeb Uddin Sabir	Sabri Plastic Cooper Road
12	Faizan	GogaNaqibia restaurant Cooper road
13	MianManzoor	Akbari Group of companies Beaden Road
14	Mr.Sabir	Cooper Road
15	M Kashif Kamal	Data Cooperation Cooper Road
16	M.IlyasBaig	EPS Industries CooperRoad
17	M.Suffayan	49-B Palace Market Cooper

Road

18	M.Azam Khan	1-Cooper Road
19	M.Arif Iqbal	Hussain Glass Cooper Road Road
20	M. Arif Iqbal	Hussain Glass Cooper Road
21	Iftikhar Ahmad	36-Cooper Road
22	Anjum Butt	Wall Street Exchange Cooper Road
23	Farooq Butt	Japan Center Cooper Road
Sr No.	Name of Participants	Address
24	Mr.Adnan	Bhai Bhai Gift Center 17 Cooper Road
25	M.Mukhtar Mirza	23/2 Cooper Road
26	Madam FarzanaShaheen	Govt.Islamia College for Women Cooper Road LHR.
27	Mr.Ali Akbar	Superintendent , Health Department Punjab Cooper Road
28	Sheikh Muhammad Azam	Chief Conservator Punjab Forest Department Cooper Road
29	Mr.Saleem	Divisional Forest Officer Punjab Forest Department Cooper Road
30	Asad Abas	Production Incharge duty Free Shop Cooper Road
31	Mr.Zahid	Duty Free Shop cooper Road
32	TayyabMehmood	Zee Avenue Cooper Road

- | | | |
|----|--|--|
| 33 | Muhammad Idrees
Sr.Personal officer | Hospitality Inn Egerton Road
Lahore |
| 34 | Capt (R) Ijaz Ibrahim | Manager HR Hospitality Inn
Egerton Road Lahore |
| 35 | MudassarIshaq | Malindo Air Egerton Road |
| 36 | Danish Hameed Khan | Travel Channel National Tower
Egerton Road Lahore |

PERPOSEL MAP (UNDER GRUND CABLE MCR-SNV)



**Photographs of the Construction of New 132kV Double
Circuit Underground Cable
(Macload Road – Sunny View)**

**Photographs of key sections of the route proposed for laying of underground cable b/w
Sunny view-Mcleod Road**

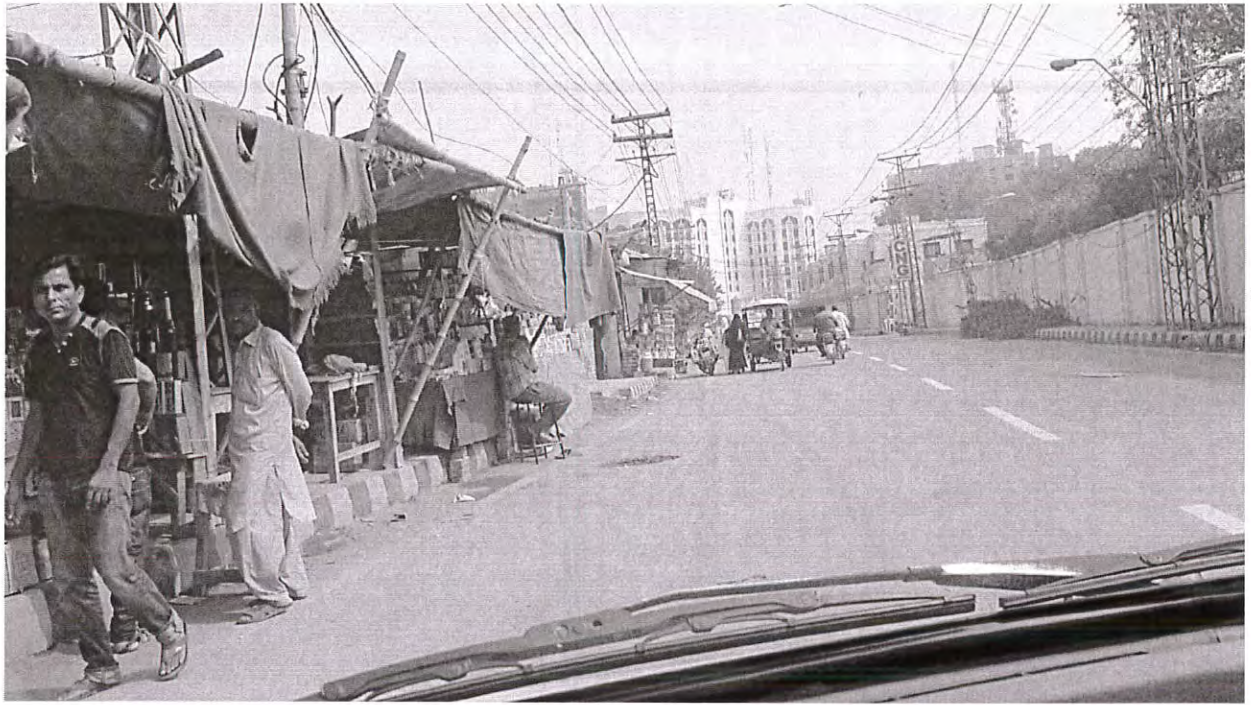
Cooper Road



Cooper Road



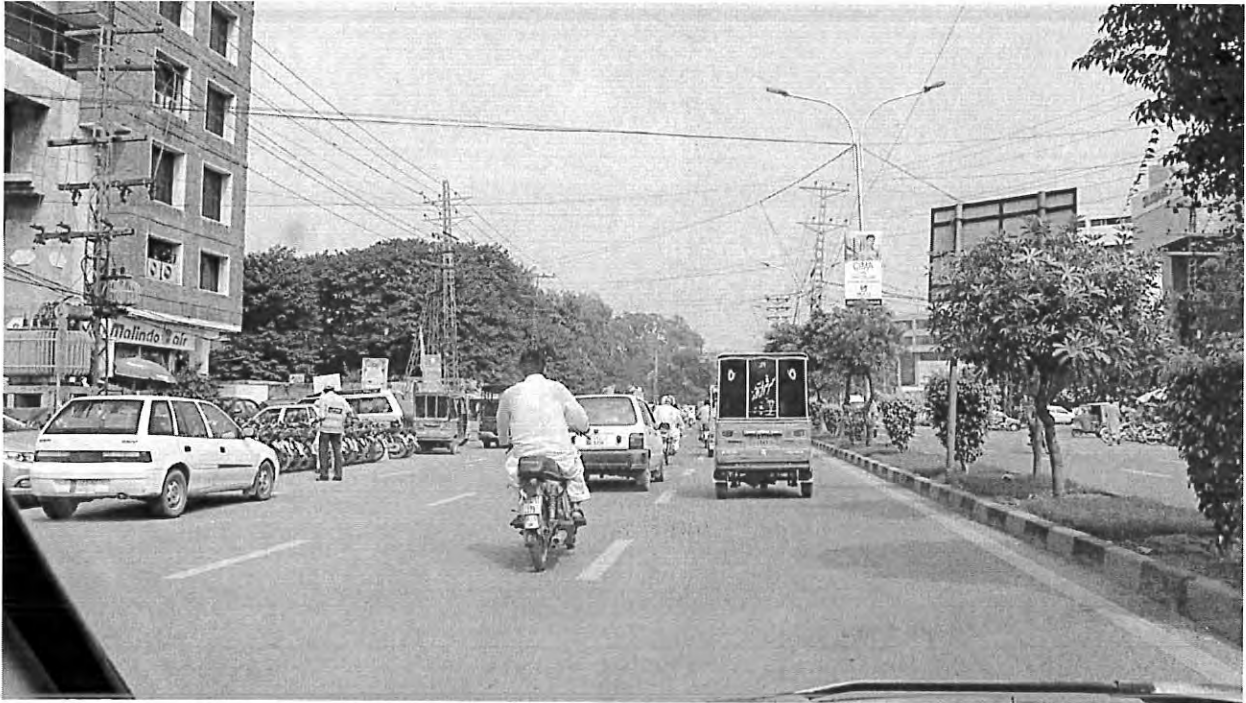




Egerton Road



Egerton Road



Towards Sunny View Complex near LDA PLAZA



Exit Gate of Sunny View Complex WAPDA whers route for underground cable will enter into Complex premises and will end into Sunny View Grid Station

