Resettlement Plan Due Diligence

June 2013

MFF 0021-PAK: Power Distribution Enhancement Investment Program – Tranche 4

Prepared by Multan Electric Power Company for the Asian Development Bank.

Due Diligence Document

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Islamic Republic of Pakistan: **Multitranche Financing Facility (MFF)**
For Power Distribution Enhancement
Investment Program

Tranche-IV: **Power Transformer's Extension & Augmentation**
Subprojects

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ABBREVIATIONS

ADB	Asian Development Bank
AP	Affected Persons
DISCOs	Distribution Companies
EA	Executing Agency
MEPCO	Multan Electric Power Company
MFF	Multi-tranche Financing Facility
MoWP	Ministry of Water & Power
PEPCO	Pakistan Electric Power Company
PMU	Project Management Unit
RTC	Regional Training Center

EXECUTIVE SUMMARY

1. 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) systems 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 the security standards; (ii) about 12,000 gigawatt-hours (GWh) of additional energy will be supplied through the national grid annually; (iii) the system will be capable of meeting peak demand, with electricity outages significantly reduced; and (iv) 30 million additional people will have access to electricity from the national grid.

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. Multan Electric Power Company (MEPCO) will implement the MFF Tranche-IV program which includes Sixteen (16) extension and Fourty-eight (48) augmentation subprojects. Extension projects will add new transformers to substations, whereas augmentation will replace the existing overloaded transformers with larger capacity transformers at same location. These projects are located in the 13 districts of south Punjab under MEPCO jurisdiction. The 64 subprojects will be implemented in Multan, Sahiwal, Khanewal, Pakpattan, Bahawalnagar, Bahawalpur, R.Y Khan, Rajanpur, D.G. Khan, Muzffargarh, Layyah, Lodhran and Vehari districts.

5. The extension and augmentation sub-projects will all be carried out within the existing grid stations and will not encroach on any additional land outside the grid stations. All the land belongs to the MEPCO.

1. PROJECT OVERVIEW

1.1 Project Background

1. 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 the 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. Multan Electric Power Company (MEPCO) will implement the Tranche-IV program which includes of Sixteen (16) extension and Fourty eight (48) augmentation subprojects, in the 13 districts of south Punjab under MEPCO jurisdiction. The 64 subprojects will be implemented in Multan, Sahiwal, Khanewal, Pakpattan, Bahawalnagar, Bahawalpur, R.Y Khan, Rajanpur, D.G. Khan, Muzffargarh, Layyah, Lodhran and Vehari districts.

5. The sub-projects projects covered in this due diligence report (DDR) are all improvements to the equipment that support the power distribution network at Sixty four (64 Nos.) existing distribution grid stations (DGS) that have been prioritized by MEPCO & decided to be included in the Power Distribution Enhancement Investment. Project (PDEIP) -Tranche IV. The proposed works will all be within existing boundary of DGS to either, (i) replace an existing transformer with one of a higher capacity (augmentation) or (ii) add a transformer (extension).

6. The projects included in this DDR include Sixteen (16) extension and Forty-eight (48) augmentation subprojects within the existing sub-stations. The sole stakeholder of these projects is MEPCO. These sub-projects are tabulated below:

Table 1. 1: MEPCO Tranche – IV Augmentation and Extension Sub-Projects

Project No	Associated Project	Name of Grid Station	Type of Project	New transformer Size	Land Acquisition & Resettlement Status
A. Augmentation of Power Transformer and Extension Sub-Projects.					
M 1	**M 2**	132 kV A.P East	Augmentation	1x 40 MVA	Within the Boundary of Existing G/S
M 2	**M 39**	132 kV Arif Wala	Augmentation	1x 40 MVA	-do-
M 3	**—**	132 kV Baghdad-ul-Jadeed	Augmentation	1x 40 MVA (1 x 26 MVA Spare)	-do-

Project No	Associated Project	Name of Grid Station	Type of Project	New transformer Size	Land Acquisition & Resettlement Status
A. Augmentation of Power Transformer and Extension Sub-Projects.					
M 4	**M 56**	132 kV Bahawalnagar	Augmentation	1x 40 MVA	-do-
M 5	**M 6**	132 kV Bosan Rd	Augmentation	1x 40 MVA	-do-
M 6	**M 19**	132 kV Burewala	Augmentation	1x 40 MVA	-do-
M 7	**M 49**	132 kV Burewala (Old)	Augmentation	1x 40 MVA	-do-
M 8	**M 11**	132 kV Chak 211	Augmentation	1x 26 MVA (1 x 13 MVA Spare)	-do-
M 9	**M 10**	132 kV Chichawatni	Augmentation	1 x 40 MVA	-do-
M 10	**M 47**	132 kV Chistian	Augmentation	1 x 40 MVA	-do-
M 11	**M 14, M 16**	132 kV Chowk Azam	Augmentation	1x 26 MVA	-do-
M 12	**M 34, M 28**	132 kV Damar Wala	Augmentation	1x 26 MVA	-do-
M 13	**M 13**	132 kV Dunyapur	Augmentation	1 x 40 MVA	-do-
M 14	**M 20, M 37**	132 kV Fazilpur	Augmentation	1x 26 MVA	-do-
M 15	**M 25, M 57**	132 kV Feroza	Augmentation	1x 26 MVA	-do-
M 16	**M 8**	132 kV Gara More	Augmentation	1x 26 MVA (1 x 13 MVA Spare)	-do-
M 17	**M 17**	132 kV Gujrat South	Augmentation	1 x 40 MVA	-do-
M 18	**M 45**	132 kV Harrapa	Augmentation	1 x 40 MVA	-do-
M 19	**M 22**	132 kV Haroon Abad	Augmentation	1 x 40 MVA	-do-
M 20	**M 51**	132 kV Hasil Pur	Augmentation	1 x 40 MVA	-do-
M 21	**M 18**	132 kV Industrial (Estate)	Augmentation	1 x 40 MVA	-do-
M 22	**M 36**	132 kV J. P Wala	Augmentation	1 x 40 MVA	-do-
M 23	**M 44**	132 kV Jahanian	Augmentation	1 x 40 MVA	-do-
M 24	**—**	132 kV Kabir Wala	Augmentation	1x 40 MVA (1x 26 MVA Spare)	-do-
M 25	**M 30**	132 kV Kacha Khu	Augmentation	1 x 40 MVA	-do-
M 26	**M 61**	132 kV Khan Pur	Augmentation	1 x 40 MVA	-do-
M 27	**M 38**	132 kV Khan Pur	Augmentation	1 x 40 MVA	-do-
M 28	**M 15**	132 kV Khanewal	Augmentation	1 x 40 MVA	-do-
M 29	**M 60**	132 kV Khanewal Rd	Augmentation	1 x 40 MVA	-do-
M 30	**M 3**	132 kV Ludden	Augmentation	1x 26 MVA (1 x 13 MVA Spare)	-do-
M 31	**M 42**	132 kV Mailsi	Augmentation	1 x 40 MVA	-do-
M 32	**M 43**	132 kV Mailsi	Augmentation	1 x 40 MVA	-do-
M 33	**M 40**	132 kV Makhdoom Ras	Augmentation	1x 26 MVA (1 x 13 MVA Spare)	-do-
M 34	**M 41**	132 kV Makhdoom Ras	Augmentation	1x 26 MVA (1 x 13 MVA Spare)	-do-
M 35	**M 27**	132 kV Mehra Khas	Augmentation	1x 26 MVA (1 x 13 MVA Spare)	-do-

Project No	Associated Project	Name of Grid Station	Type of Project	New transformer Size	Land Acquisition & Resettlement Status
A. Augmentation of Power Transformer and Extension Sub-Projects.					
M 36	**M 12, M 46**	132 kV Noor Pur	Augmentation	1x 26 MVA	-do-
M 37	**—**	132 kV Pak Pattan	Augmentation	1x 40 MVA (1x 26 MVA Spare)	-do-
M 38	**—**	132 kV Qabula	Augmentation	1x 40 MVA (1x 26 MVA Spare)	-do-
M 39	**M 24**	132 kV Qadir Abad	Augmentation	1x 26 MVA (1 x 13 MVA Spare)	-do-
M 40	**M 53**	132 kV Rahim Yar Khan	Augmentation	1 x 40 MVA	-do-
M 41	**M 52**	132 kV Rahim Yar Khan-II	Augmentation	1x 26 MVA (1 x 13 MVA Spare)	-do-
M 42	**M 54**	132 kV Sahiwal New	Augmentation	1 x 40 MVA	-do-
M 43	**M 5**	132 kV Sahuka	Augmentation	1x 26 MVA (1 x 13 MVA Spare)	-do-
M 44	**M 58**	132 kV Shuja Abad	Augmentation	1 x 40 MVA	-do-
M 45	**M 35**	132 kV Taunsa	Augmentation	1x 26 MVA (1 x 13 MVA Spare)	-do-
M 46	**M 62, M 32**	132 kV Uch Sharif	Augmentation	1x 26 MVA	-do-
M 47	**M 64**	132 kV Vehari	Augmentation	1 x 40 MVA	-do-
M 48	**M 63**	132 kV Vehari	Augmentation	1x 26 MVA (1 x 13 MVA Spare)	-do-
B. Extension of Power Tranformer Sub-Project.					
M 49	**M 1**	132 kV A.P East	Extension	1x 26 MVA	Within the Boundary of Existing G/S
M 50	**M 7**	132 kV Basti Malook	Extension	1x 26 MVA	-do-
M 51	**M 13**	132 kV Chowk Munda	Extension	1 x 13MVA	-do-
M 52	**M 23**	132 kV Haroon Abad	Extension	1x 26 MVA	-do-
M 53	**M 15**	132 kV K.Pur Sadat	Extension	1 x 13 MVA	-do-
M 54	**M 31**	132 kV Kacha Khu	Extension	1x 26 MVA	-do-
M 55	**M 26**	132 kV Kot Addu	Extension	1x 26 MVA	-do-
M 56	**M 17**	132 kV Kot Chutta	Extension	1 x 13 MVA	-do-
M 57	**M 33**	132 kV Layyah	Extension	1x 26 MVA	-do-
M 58	**M 21**	132 kV Mian Channu	Extension	1x 26 MVA	-do-
M 59	**M 47**	132 kV Noor Ahmad	Extension	1 x 13 MVA	-do-
M 60	**M 9**	132 kV Qabula	Extension	1 x 13 MVA	-do-
M 61	**M 55**	132 kV Sahiwal	Extension	1x 26 MVA	-do-
M 62	**M 18**	132 kV Sakhi sarwar	Extension	1 x 13 MVA	-do-
M 63	**M 59**	132 kV Shuja Abad	Extension	1x 26 MVA	-do-
M 64	**M 61**	132 kV Uch Sharif	Extension	1 x 13 MVA	-do-

2. SCOPE OF LAND ACQUISITION AND RESETTLEMENT

7. The extension and augmentation sub-projects will all be carried out within the existing Grid stations and will not encroach on any additional land outside the grid stations. All the land belongs to the MEPCO.

2.1 Scope and Rationale for Land Acquisition

2.1.1 Site Identification

8. As indicated above no new land will be acquired for the project. The 16 extension and 48 augmentation subprojects will be carried out within the existing grid stations. The extension subproject includes delivery and connection of new transformer while augmentation includes replacement of existing transformer with a transformer of higher capacity within the existing grid stations.

For sub-projects selection following criteria was adopted:

- Technical justification.
- Financial and economic viability, and
- Minimal residual environmental and social impacts.

2.1.2 Location and Scale of Project

Table 2.1. 1 Location and Scale of Project

Sr. No	Name of Grid Station	Location and Scale of Project
1	132 kV A.P East	132 kV Ahmad Pur East grid station is located in Ahmad Pur city some 30 km away in the west of Bahawalpur. All activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
2	132 kV Arif Wala	132 kV Arif Wala grid station is located in Arif Wala in district Pakpattan. All activities will be carried out within the existing grid station boundary and No land acquisition & Resettlement activities are involved for this subproject.
3	132 kV Baghdad-ul-Jadeed	132 kV Baghdad ul Jadeed grid station is located on Hasilpur road in the east of Bahawalpur city. All activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
4	132 kV Bahawalnagar	132 kV Bahawalnagar grid station is located in Bahawalnagar city. All activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
5	132 kV Bosan Rd	132 kV Bosan road grid station is located in Multan city on Khanewal road Multan. All activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
6	132 kV Burewala	132 kV Burewala grid station is located in Burewal city near Burewala Textile Mill (BTM). All activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
7	132 kV Burewala (Old)	132 Burewala old grid station is located on Chihawatni road in Burewala city. All activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
8	132 kV Chak 211	132 kV Chak No 211 grid station is located in tehsil Mailsi district Vehari. It is 25 km away in the south-west of Mailsi city. All activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this

Sr. No	Name of Grid Station	Location and Scale of Project
		subproject.
9	132 kV Chichawatni	132 kV Chichawatni grid station is located in Chichawatni city in Sahiwal district. All activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
10	132 kV Chistian	132 kV Chistian grid station is located in the east of Chistian city on Bahawalnagar road chistian. All activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
11	132 kV Chowk Azam	132 kV Chowk azam grid station is located in Layyah district. Project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
12	132 kV Damar Wala	132 kV Damar Wala grid station is located in Muzffargarh District. All activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
13	132 kV Dunyapur	132 kV Dunyapur grid station is located in Dunyapur city in Lodhran district. All activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
14	132 kV Fazilpur	132 kV Fazilpur grid station is located in the some 25 km in the north of Rajanpur on Indus highway. All project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
15	132 kV Feroza	132 kV Fazilpur grid station is located in the some 25 km in the north of Rajanpur on Indus highway. All project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
16	132 kV Garha More	132 kV Garha Mor grid station is located in Vehari district in the east of Garha More town on Vehari road. All project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
17	132 kV Gujrat South	132 kV Gujrat South grid station is located in Qasba Gujrat near Kot Addu. District Muzafargarh. All project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
18	132 kV Harrapa	132 kV Harrapa grid station is located in Harrapa Town some 20 km away in the west of Sahiwal city. All project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
19	132 kV Haroonabad	132 kV Haroonabad grid station is located in Haroonabad city of district Bahawalnagar on Dahranwala road. All project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
20	132 kV Hasil Pur	132 kV Hasilpur grid station is located in Hasilpur city district Bahawalpur. All project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
21	132 kV Industrial (Estate)	132 kV Industrial Estate grid station is located in Industrial area of Multan city. All project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.

Sr. No	Name of Grid Station	Location and Scale of Project
22	132 kV J. P Wala	132 kV Jalal Pur Pirwala grid station is located Jalal Pur Pirwala tehsil of district Multan. All project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
23	132 kV Jahanian	132 kV Jahanian grid station is located on Multan road near Chowk Maitla in district Khanewal. All project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
24	132 kV Kabir Wala	132 kV Kabir Wala grid station is located Kabir wala city tehsil of district Khanewal. All project activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
25	132 kV Kacha Khu	132 kV Kacha Khu grid station is located some 15 Km away in the south of Kacha khu city on Vehari road. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
26	132 kV Khan Pur	132 kV Khan pur grid station is located on R.Y Khan road in Khan Pur city. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
27	132 kV Khanewal	132 kV Khanewal grid station is located in Khanewal city. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
28	132 kV Khanewal Rd	132 kV Khanewal road grid station is located at Regional Training Center (RTC) some 10 Km away in the East of Multan city on Khanewal road.. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
29	132 kV Ludden	132 kV Ludden grid station is located in Ludden on main Vehari-Hasilpur road. Ludden is a town some 25 Km away from vehari city. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
30	132 kV Mailsi	132 kV Mailsi grid station is located in Mailsi city on Tiba Sultan road. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
31	132 kV Makhdoom Rasheed	132 kV Mukhdoom Rasheed grid station is located on Vehari – Multan road. Mukhdoom Rasheed is a town 27 km away from Multan. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
32	132 kV Mehra Khas	132 kV Mehra Khas grid station is located in distric Muzafargarh. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
33	132 kV Noor Pur	132 kV Noor Pur grid station is located in the west of Kameer in Pakpattan district. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
34	132 kV Pak Pattan	132 kV Pakpattan grid station is located on Pakpattan city. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
35	132 kV Kabula	132 kV Kabula grid station is located on Bahawalnagar road in Kabula city a town of district Pakpattan. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are

Sr. No	Name of Grid Station	Location and Scale of Project
		involved for this subproject.
36	132 kV Qadir Abad	132 kV Qadirabad grid station is located on Lahore road in Qadirabad; a town of district Sahiwal. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
37	132 kV Rahim Yar Khan	132 kV Rahim Yar Khan grid station is located on Khan pur road in Rahim Yar Khan city. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
38	132 kV Rahim Yar Khan-II	132 kV Rahim Yar Khan II grid station is located in the middle of Rahim Yar Khan city. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
39	132 kV Sahiwal New	132 kV Sahiwal New grid station is located in Sahiwal city. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
40	132 kV Sahuka	132 kV Sahuka grid station is located in Sahuka; a town of Burewala. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
41	132 kV Shuja Abad	132 kV Shujahabad grid station is located in the East of Shujahabad city on Lar road. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
42	132 kV Taunsa	132 kV Taunsa grid station is located in Taunsa city. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
43	132 kV Uch Sharif	132 kV Uch Sharif grid station is located on Uch Sharif; a town of Bahawalpur. It is an augmented work and all activities will be carried out within the existing grid station boundary and no land acquisition & Resettlement activities are involved for this subproject.
44	132 kV A.P East	132 kV Ahmad Pur East grid station is located in Ahmad Pur city some 30 km away in the west of Bahawalpur. it is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
45	132 kV Basti Malook	132 kV Basti Malook grid station is located on main Bahawalpur – Multan road. Basti Malook is a town of Multan district. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
46	132 kV Chowk Munda	132 kV Chowk Munda grid station is located on Main Mianwali road. Chowk Munda is a town of district Layyah. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
47	132 kV Haroonabad	132 kV Haroonabad grid station is located on Dahranwala road. Haroonabad is a tehsil of district Bahawalnagar. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
48	132 kV K.Pur	132 kV Khairpur Sadat grid station is located in Kharipur sadat; a town of district

Sr. No	Name of Grid Station	Location and Scale of Project
	Sadat	Muzaffargarh. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
49	132 kV Kacha Khu	132 kV Kacha Khu grid station is located on Vehari road some 15 km in the south of Kacha Khu city. Kacha Khu is a town of district Khanewal. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
50	132 kV Kot Addu	132 kV Chowk Munda grid station is located on Main Mianwali road. Chowk Munda is a town of district Layyah. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
51	132 kV Kot Chutta	132 kV Kot Chutta grid station is located on Main Indus Highway. Kot chutta is a town some 15 km away in the south of district D.G. Khan. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
52	132 kV Layyah	132 kV Layyah grid station is located on Chowk azam road in the east of Layyah city. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
53	132 kV Mian Channu	132 kV Mian Channu grid station is located on Mian Channu city; a tehsil of district Khanewal. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
54	132 kV Noor Ahmad	132 kV Noor Ahmad grid station is located in Tehsil Taunsa district D.G. Khan. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
55	132 kV Qabula	132 kV Qabula grid station is located on Bahawalnagar road. Qabula is a town of district Pakpattan. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
56	132 kV Sahiwal	132 kV Sahiwal grid station is located in Sahiwal city. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
57	132 kV Sakhi Sarwar	132 kV Sakhi Sarwar grid station is located in Sakhi Sarwar; a town in the west of district D.G. Khan. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
58	132 kV Shuja Abad	132 kV Shujahabad grid station is located on Lar road in the East of Shujahabad city. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject
59	132 kV Uch Sharif	132 kV Uch Sharif grid station is located in Uch Sharif; a town of district Bahawalpur. It is an extension subproject and all extension activities will be carried out within the existing grid station boundary. No land acquisition & Resettlement activities are involved for this subproject

2.2 Resettlement Impacts

2.2.1 Number of houses to be displaced

4. No houses exist on the project sites and the area is not inhabited, therefore there are no resettlement issues related with housing.

2.2.2 Number of Directly Affected Persons (AP's)

5. No peoples are living on the project sites, hence there are no directly affected.

2.2.3 Number of Indirectly Affected Persons (AP's)

6. As there will be no work in the adjoining areas, there will be no indirect effects.

2.2.4 Loss of Agricultural Area / Cropland

7. The grid stations land have no agriculture use, therefore there is no loss of agricultural area or any cropland.

2.2.5 Loss of Orchards

8. There are no losses of orchards.

2.2.6 Loss of water courses

9. No watercourses exist in the subproject areas.

2.2.7 Loss of trees

10. Tree plantations exist within the grid stations and in the surrounding areas. No tree will be removed for the erection of new transformers.

2.2.8 Loss of structures / buildings

11. No loss of structures / buildings will occur due to the implementation of the sub-projects.

2.2.9 Loss of individual and community livelihoods

12. There are no losses of livelihoods. (see 2.2.2 and 2.2.3)

2.2.10 Loss of forest land

13. The work being carried out within the existing grid stations does not incur loss of forestlands.

2.2.11 Damage or disturbance to government installations

14. The area / grids belong to MEPCO with allied structure and equipment. The installation / erection of transformers will be carried out with in these grid stations. This will improve bring improvement to the overloaded substations.

2.2.12 Damage or disturbance to utility lines

15. There will be no disturbance to the utility lines.

2.2.13 Loss of grazing and fishing activities

16. There is no loss of grazing and fishing activities. (see 2.2.4)

2.2.14 Summary

17. The project falls under **Category-C** therefore, no resettlement plan is required as there is no private land acquisition or acquisition of other assets. There is no displacement of people and there is no loss of income is caused by the subproject.

2.3 Community's Overall Response to the Proposed Sub-Project

18. The major concern of the community is of load shedding. Some residents also demanded employment of local persons during the erection / installation period. The local communities' responses to the subproject are summarized as follows:

2.3.1 Project Awareness

19. The majority of the beneficiary communities were found aware of the Project activities.

2.3.2 Effects on business and living conditions

20. Almost all of the community expect a positive impact of the sub-project in terms of improved voltage and reduced load shedding.

2.3.3 Job Opportunities

21. The communities requested to be hired for unskilled to semi-skilled jobs during the construction and operation of the project activities.

2.3.4 Suitability of Proposed site

22. The present sites are suitable for extension and augmentation of power transformers.

2.4 Socio-Economic Survey

23. No socio-economic survey was required for this project as this fall in Category-C as per ADB Guidelines.

2.5 Indigenous People

24. There are no indigenous people in the project area.

2.6 Gender Impacts

25. During the discussion with community it was observed that women's status was considered to be much below that of men. They were not allowed to move freely and have low participation in decision making for socio economic activities.

2.7 Resettlement Budget

26. This is not applicable for any of the sub projects. (see 2.2.14)

2.8 Implementation Schedule

27. This is not applicable, see above.

3. MONITORING & EVALUATION

28. The Monitoring & Evaluation activities of this sub-project will be limited to monitoring the implementation of construction. It will be ensured that the contractors, vendors and economic activities include the employment of local labor force in the construction and post construction activities.

4. IDENTIFICATION AND SELECTION OF ALTERNATIVE SITES

29. No studies of alternative sites are required as the subproject do not involve any involuntary resettlement and social and economic loss to any section of the society or the grazing rights of the indigenous peoples. No activity for the compensation or relocation is planned under the subproject.