

Monitoring Report

Visit Date	9-10 September, 2016
Report Submitted	

- 1). **Name of Project:** Electrification of Remaining Areas in AJK District Mirpur-III
- 2). **Sector:** Power
- 3). **Sub-Sector:** Electricity
- 4). **Unique Ref. No:** POW#149
- 5). **Location:** District Mirpur AJK

District	Tehsil	Constituency	Village/Town Committee
Mirpur	All	N/A	231 villages

- 6). **Status:**

On-Going		Completed
Original ✓	Revised	No ✓

- 7). (a) **Timeline:**

As per PC-I			Approved Duration of Project (Months)	As per Admin Approval	
	Date of Approval	Date of Completion		Start Date	Completion Date
Actual	15/8/12	30/6/16	48 months	30/5/13	30/6/16

(b) **Time Overrun:** Y/N

- 8). **Cost:**

	Actual	1 st Revised	2 nd Revised
Amount	296.947		
Date	30/5/13		

9). (a) Project History

Year	Phasing as per PC-I	Actual ADP Provision/Releases	Utilization
2012-13	12.819	8	8
2013-14	84.497	104.763	104.763
2014-15	89.489	51.1	51.1
2015-16	110.142	54.147	54.147
Total	296.947	218.001	218.001

(10). Financial Progress:

S#	Activities as per PC-I	Approved Cost as per PC-I	Cumulative Exp. up to the last financial year 2015-16	Expenditure During Current Financial Year 2016-17		
				Allocation	Releases	Utilization
1	2	3	4	5	6	7
1	Preliminary works	0.058	0			
2	Village Electrified					
I	Villages Electrified with 11 kV rabbit conductor	50.086	44.092			
Ii	Villages Electrified with 0.4 KV ant conductor	135.714	115.513			
	Total Village Electrified	185.8	159.605			
3	Transformers					
I	200 kVA	48.936	39.523			
Ii	100kVA	15.759	9.178			
Iii	50kVA	5.009	2.688			
Sub-total		69.704	51.389			
4	Escalation @6.5%	32.440	0			
5	Contingencies @ 2 %	5.111	4.036			

6	Work charge @1.5 %	3.833	2.07			
7	Advertisement charges	0	0.142			
Total		296.946	217.242			

11). Physical Progress: (Quantitative)

S#	Activities of Work	Unit	Quantity	Cumulative Physical Achievement up to end of last financial year	Physical Target Achievement During Current Financial Year	
					Planned	Achieved
	1	2	3	4	5	6
1	Preliminary works	%	0	0	0	0
2	Village Electrified					
I	Villages Electrified with 11 KV rabbit conductor	Km	75.1	59.3	0	0
ii	Villages Electrified with 0.4 KV ant conductor	Km	201.63	179.88	0	0
3	Transformers					
I	200 KVA	No	6	5	0	0
ii	100 KVA	No	29	21	0	0
iii	50 KVA	No	135	127	0	0
4	Escalation @6.5%	%	0	0	0	0
5	Contingencies @ 2 %	%	0	0	0	0
6	Work charge @1.5 %	%	0	0	0	0
7	Advertisement charges	No	0	0	0	0

12). Supervision of Work:

Name of PD /Responsible officer	Waqar Hanif
Designation	SDO Electricity
Full time/Additional Charge	Full Time
Contacts	
Office	05827-920321
Cell	0355-6755037
Fax	-

13) Findings / Observations

Issues in PC-I

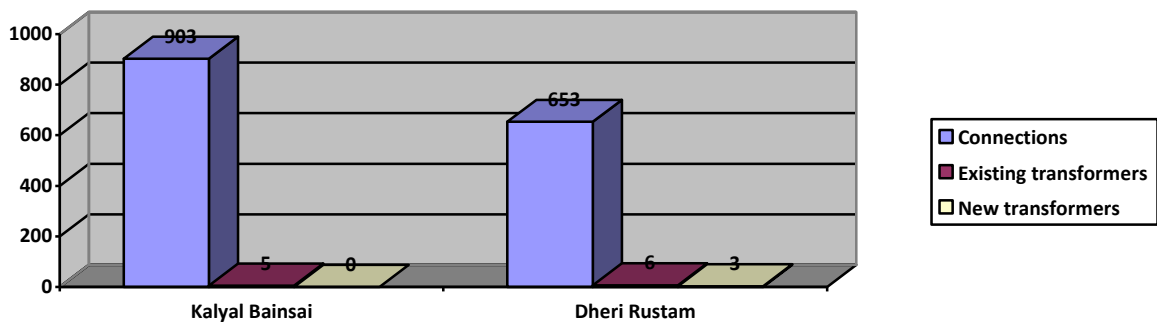
1. The PC-I documents were examined and a lot of discrepancies, deviation and irrationalities were found contradicting to the ground realities while:
 - i. The Ratta village had 1117 service connections till June, 2013. The number of installed transformers in the said village were only 5, which were insufficient to cater the needs of the village. Besides, no more transformer is allocated in this scheme for the said village.
 - ii. The existing infrastructure of Jari village had 28 service connections with 6 transformers till June, 2013 whereas the electricity department allocated another transformer to the said village. A comparison of Ratta village and Jari village can be seen in the table below:

Village	Population	Connections till June, 2013	Transformer till June, 2013	Proposed in PC-I
Ratta	4149	1117	5 (50 KVA)	Nil
Jari	47	28	4 (50 KVA) 2 (100 KVA)	1 (50 KVA)

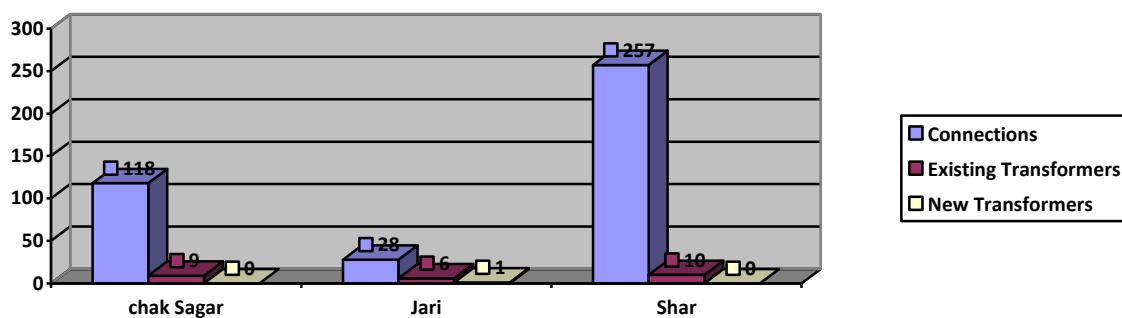
iii. The Palot village has more population as compared to Chatoh village. It is strange to notice that the village with less number of connections (Chatroh) has 9 more transformers, furthermore it has been allocated with 4 new transformers in contrary to the village (Palot) which has more population, less transformers and with no transformer allocation in this Scheme. A comparison of Chatroh and Palot village can be seen below:

Village	Connections	Existing transformers	New transformer
Chatroh	731	16	4
Palot	780	6	0

iv. The Kalyal Bansi village has 903 connections and 5 transformers while Deri Rustam has 653 connections and 6 transformers. Dheri Bansi is allocated with 3 new transformers of 50 KVA in the PC-I contrary to Kalyal Bansi which has more connections. It can be viewed by the graph below:



v. The villages of Chak Sagar, Jari and Shar are good examples of uneven distribution of resources by Electricity Department. The comparison of these villages can be viewed in the graph below:



- vi. Dadyal had 11 connections with 2 transformers of 100 KVA each. Another transformer of 50 KVA is allocated to this village. Janial had 209 connections with 7 transformers and a 50 KVA new transformer is again allocated to this village. The allocation of new transformers to Dadyal and Janial should be justified.
- vii. Village Dheri Barwan had 346 connection. This village had a transformer of 50 KVA. First justification should be provided why a 50 KVA transformer for 346 service connection? Secondly why only 50 KVA new transformer is proposed while this village requires more transformers?

Name of Village	No of connections	Existing transformers	New Transformer
Dadyal	115	2(100 KVA)	1(50KVA)
Janial	209	5 (50 KVA) 2 (100 KVA)	1 (50 KVA)
Dheri Barwan	346	1 (50KVA)	1 (50KVA)

Table showing the connections along with transformers allocation

- viii. There are number of villages that have no transformer. Furthermore, no transformer is allocated in this PC-I for villages in the below table

Name of Village	No of service connections	Existing Transformer	New transformer
Kotla Dattan	123	0	0
Dhamat	51	0	0
Naugran	103	0	0
Ghasipur	49	0	0
Gorah	67	0	0

General Findings

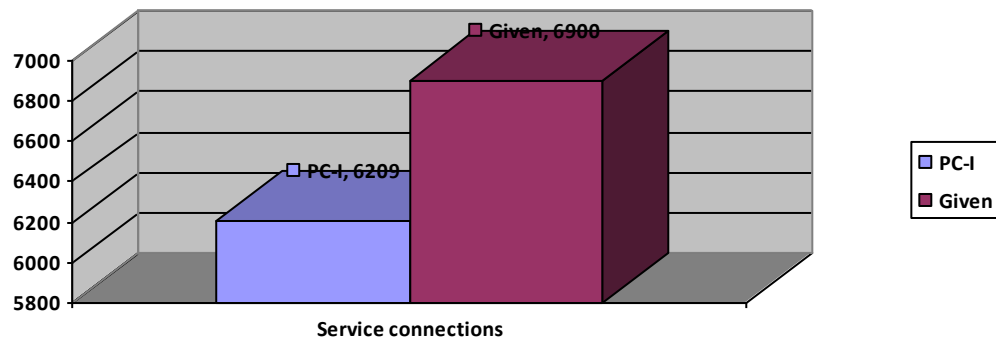
1. The project aims to provide electrification to remaining areas in Mirpur district. There are 231 villages in Mirpur district and all villages are electrified. This project is launched for the partial/remaining electrification of 231 villages.
2. Some issues in the quality of the poles purchased were found. Broken X cross of poles were seen in field, which is indeed an unsatisfactory situation.
3. As per electricity representatives at the site of bypass road, the dog conductor was used in transmission line without approval of the competent authority. No document evidence regarding use of dog conductor was provided.
4. The Electricity Department has done same tendering against the recurring budget as well as for development schemes of Electricity. The tender process of development schemes should be done separately. This will solve a number of problem like poles serial numbers, transformer numbering and installation, above all it will ease the process of monitoring.
5. The meter testing lab (both single and three phase meters) was visited during the monitoring tour. The working of the single-phase meter testing was found accurate while the machine was not able to perform 3 phase meter testing. The reason cited was that the machine went out of order during the movement of equipment so it is unable to test the 3 phase meters for last 6 months. The documentary evidence was seen at the spot.



- In meter testing lab, we found a meter that had manufacturing date of 2012 with guarantee of 2 years but it was still not issued to customer. This shows some negligence, incompetency and irresponsibility of the Electricity department staff.



- These schemes like “Electrification of remaining areas” are burden to power system. The system needs renovation. Instead of renovating the major transmission lines and making the existing system more powerful, more burden is being shifted to the existing infrastructure which seems totally illogical.
- A list of requisite documents including transmission lines drawing were not provided by department.
- Record of transformer maintenance within warranty was not provided by Electricity Department.
- The Proposed provision of service connections were 6205 but in actual 6900 connections have been provided which exceeds the scope of Scheme.



Pictorial View of Site

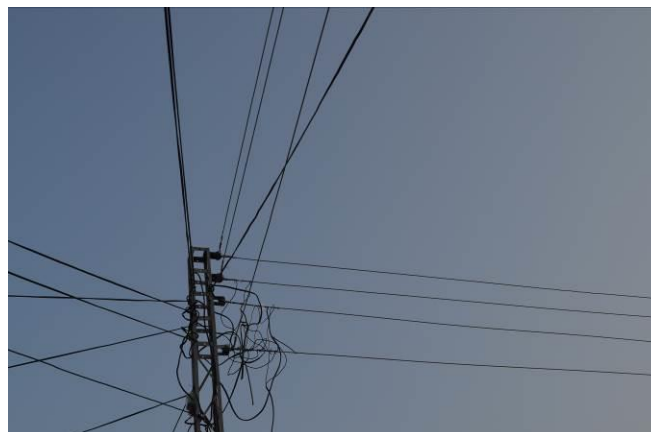
1. Poor concrete finishing was found during the monitoring visit.



2. Rusting was found in several HT and LT poles.



3. Four conductor distribution lines were continued by the 3 conductors while at some locations, two conductor lines were used for distribution.



4. In distribution transmission line at bypass road an insulator was missing on a pole.



5. During the visit, almost 40 LT poles were observed and all were found without any specific reference number.



6. Mostly the poles were without proper earthing.



7. Broken X cross of the poles were seen during the monitoring visit.



8. Angle of the pole was not accurate. The HT pole was found at obtuse angle with respect to ground.



14). Recommendations/ required action to be taken by the department.

1. The PC-I preparation is irrational and needs to be justified as lot of discrepancies are found in the allocation of transformers and connections without considering the needs of the people. Electricity department should probe this nonprofessional behavior and fix the responsibility along with disciplinary action.
2. All queries made in the above section “Issues in PC-I” should be justified point by point.
3. Solid Feasibility study should be done on real need basis.
4. It should be asked from Electricity Department that why PC-I of the Scheme was not prepared by keeping in view of next 10-15 years’ needs of the people?

5. Tendering and purchasing of equipment for development schemes should be done separately.
6. Electricity Department should take notice against poor quality of poles and response/action taken should be submitted to P&DD accordingly.
7. All members of equipment testing team are from Electricity Department. Third parties should also be involved in testing of equipment in order to have clean testing process. Representative from P&DD must be included in this team.
8. It is strongly recommended that in near future no scheme for further electrification of remaining areas should be entertained by P&DD instead the schemes for renovation of power system should be given high priority.
9. Electricity department should provide poles, transformers, insulators, maintenance of transformers and other necessary equipment from their normal budget. Proper budget should be given to Electricity Department so that they can manage it at their own end instead of burden on development budget.
10. The Electricity Department should make it compulsory to mention pole serial number along with purchase order number on each pole during tendering process. The Electricity Department must not accept the poles from supplier without serial number along with purchase order. Furthermore, it must be ensured that poles purchase order number should be clearly visible on each pole even after installation.
11. The meter testing lab is required to be repaired. Repair & maintenance should be done on priority basis.

16). Reporting team (P&D)

Name	Designation	Signature	Date
Raja Manzoor Hussain	Chief (M&E)		
Engr. Khurram Siddique	Assistant Director (M&E)		