

Monitoring Report

Visit Date	06-08-2015
Report Submitted	12-08-2015

- 1). **Name of Project:** Construction of 132 KV Grid Station Muzaffarabad-II
(Rampura)
- 2). **Sector:** Power
- 3). **Sub-Sector:** Electricity Department
- 4). **Unique Ref. No:** POW-109
- 5). **Location:** Muzaffarabad (AJ&K)
- 6). **Name of Contractor:** CWE (China International Water & Electric Corporation)
- 7). **Work Order Amount:** Rs.514.775 Million (MCDP)
- 8). **Work Order No.** MCDP/5859/12 **Dated** 26-06-2012
- 9). **(a) Time Line:**

	As per PC-I		Approved Duration of Project	Approved Cost
	Date of Approval	Date of Completion		
Original	30-03-2010	30-03-2012	2 years	Rs.35.692 million (AJK Electricity Department Share)
Revised (Last)	20-06-2012	20-11-2013	17 month	Rs.564.272 million (MCDP Share)

(b) Time Over: Yes

10). Cost:

Amount	Actual	1st Revised Unapproved	2 nd Revised	3 rd Revised	4 th Revised	5 th Revised
	Rs. 35.692 Million (AJKED) Rs. 564.272 Million (MCDP)					
Date	30-03-2010 (AJKED) 20-06-2012 (MCDP)					

- 11). Financial Progress in terms of %: 100%
- 12). Physical Progress in terms of %: 95%

Observations/Findings

1. Electricity is being supplied to Muzaffarabad, the capital city of the AJ&K, by a single 49 MVA, 132 KV Grid station MZD-I since 1990. As population of Muzaffarabad has increased existent power demands of the city have also increased, the Grid station has become heavily overloaded.
2. To meet the energy demands of city, GoAJ&K decided to construct a 132 KV Grid Station at Village Rampura near Airport under Chinese Loan scheme to be executed by MCDP under the umbrella of ERRA for providing power supply to newly constructed district building complex at Muzaffarabad & proposed Muzaffarabad City Development projects & Satellite towns.
3. All the necessary pre-commissioning & testing of installed electrical equipments have been completed by NTDC, ALSTOM, & AJKED.
4. Since its commissioning in Feb 2015, PESCO has been requested time & again for energization of the Grid station, but the matter is still pending with PESCO.
5. The AJKED provided land for Grid station to MCDP. The scope of work for Electricity department was Rs. 35.692 million, Rs.179.227 million has been dropped & the whole Grid station Civil work & Electrical equipment installations work amounting to Rs. 578.442 million has been done by ERRA.
6. Keeping in view the power demands of the city Muzaffarabad & areas in vicinities the Government of AJK directed many times to enhance the network capability. In response, PESCO showed its inability due to financial constraints.
7. All the Grid Station work is complete, except the sagging of the incoming 132 KV transmission line that would be tapped off from 132 KV Hattian Bala transmission circuit at location no 26+27. In/out arrangement has been proposed & circuit is near to completion.
8. Now the PESCO is reluctant to interconnect/Energize & take over the Grid Station on the excuse of additional operational & maintenance financial burden. PESCO is suggesting that whole transmission system in AJ&K should be taken over by AJKED.

9. GoAJ&K is of the view that as currently DISCOS are operating and maintaining all the other Grid stations in AJ&K, therefore this particular Grid Station is also taken over by PESCO & said Grid station be connected & energized at the earliest possible.
10. The Quality of Workmanship of Civil Work at site found Satisfactory.
11. Different tests reports i.e. Concrete Compressive Strength (ASTM-C-39), Field Density tests (Sand Cone method ASTM-D-1556), Crushing & Water absorption test for Bricks, deformed steel bar test conducted by the contractor performed by CWE Material testing Laboratory NESPAK & Foundry & Forge Work are provided by the conductor & tests results reports were according to ASTM standards.

Recommendations

1. MZD-I Grid Station is over loaded, which resulted forced load shedding in MZD in the capital city of AJ&K. Consequently, law & order situation is faced in MZD & its vicinity due to unscheduled load shedding. So it is pertinent to shift/shunt load from the existing Grid station & divide the load / demand into two zones (North & South). The north area should be fed from existing Grid station whereas the south area should be shifted to 132 KV Rampura Grid station. Therefore 132 KV Grid station MZD-II is required to be energized on priority basis to cope with the situation.
2. Foregoing in view "PESCO" may be directed for immediately energization of Grid station MZD-II, because MZD-II grid station could not be completed unless interconnection with PESCO 132 KV existing network & taking over of this Grid station.
3. There is a lack of planning by the Electricity Department, because Electricity Department & WAPDA has not yet been decided, who will take over & operate the Grid station. The Electricity department should explain & identified the reasons of so long delaying of this project.
4. The construction of 11 KV distribution network should also be started with the execution of Grid stations, because this is also a main reason of delaying of this project. So the Electricity department should explain & identify the reasons.
5. Moreover, the construction of Pathrind (147 MW) hydel Project further increases the importance of 132 KV Rampura Grid station, which is the nearest load centre & by the addition of 132 KV line bay at Rampura Grid station will enable to utilize the generation partially as 132 KV circuit is being proposed from Pathrend to Rampura. Since after the completion of 132 KV Hattian/Bagh transmission line, the whole 132 KV systems will be in ring/synchronized. Since the 132 KV circuit emerging from Mangla Power station to Kotli then Rawlakkot & Bagh is also overloaded will be in a better position and will eliminate the radial system of 132 KV transmission lines circuit & the system will be in

- ring/closed. The Pathrind project (147 MW) will fulfill almost 50% of AJK demand (350MW).
6. Load shedding is a national issue. 132 KV WAPDA circuit is overloaded. Load shedding will reduce only, if 132 KV line bay from Pathrind (147MW) be connected to 132 KV Rampura Grid. The land will have to provide by AJK Government for this purpose. For this, WAPDA will have to increase the quota of Electricity to AJK.
 7. If AJKED wants to take over the 132 KV Rampura Grid station then budget for the operational & maintenance (O&M) cost have also to be allocated AJKED, otherwise PESCO will have to take over the Rampura Grid station, then O&M cost have to be borne by PESCO.
 8. The Total share/Scope amounting to Rs. 35.692 Million was Allocated in ADP of AJK for Electricity department but funds were released amounting to Rs. 22.725 million, remaining amount Rs.14.623 million should immediately release for the purchase of the two no 250 KW generator sets as per approved PC-I
 9. WAPDA is already responsible for the operation & maintenance of all the Grid stations in AJK. So on the similar grounds it is better to hand over the 132 KV Rampura Grid station to WAPDA “PESCO”

132 KV Rampura Grid Station



Two Power Transformer Installed



Control Panel Room



Control Housing Building



Residential Quarters



132 KV Incoming transmission line



11 KV Distribution line (Under Construction)



Project Director/Project Manager/Coordinator/Xen/directly responsible for the execution of the project:

S#	Name of Officer	Designation	Contact	Duration	
				From	To
1	Brig. (R) Riaz Ahmed Noor	Project Director PMU-MCDP	05822-432357	Mar. 2012 to Nov. 2013	

Monitoring Team (P&DD)

S#	Name	Designation	Signature
1.	Aijaz Hussain Lone	Director General (M&E)	
2.	Abdul Akbar Tahir	Deputy Director Technical (M&E)	
3.	Atif Muzaffar Qureshi	Draughtsman (M&E)	