

## Inspection Report

|                         |            |
|-------------------------|------------|
| <b>Visit Date</b>       | 16-12-2015 |
| <b>Report Submitted</b> | 12-01-2015 |

- 1). **Name of Project:** 3.0 MW Qadirabad Hydel Project.
- 2). **Sector:** Power
- 3). **Sub-Sector:** HEB
- 4). **Unique Ref. No:** POW-93
- 5). **Location:** Distt. Bagh
- 6). **Name of Contractor:**

| S# | Name of Contractors  | Work No/ Date                    | Work Order Amount | Time Line |
|----|--|----------------------------------|-------------------|-----------|
| 1. | M/S Kh. Shoukat Ali<br>Construction of DI,DII Lot I                  | 1821-30 Dated 28<br>Nov 2008     | 39.190 Million    | 18 Months |
| 2. | M/S Kh. Shoukat Ali<br>Construction of Power<br>Channel Lot II       | 185-93 Dated 24<br>Jan 2009      | 72.940 Million    | --        |
| 3. | M/S Raja Sajid Ali<br>Construction of Four Bay,<br>Supports etc.     | 1811-20 Dated 16<br>July 2009    | 18.940 Million    | --        |
| 4. | M/S Tariq Abdullah<br>Construction of Power House                    | 1658-66 Dated 16<br>July 2009    | 16.83 Million     | --        |
| 5. | M/S Malik Ayaz Construction<br>of staff Quarter.                     | HEB 2464-69<br>Dated 17 Oct 2011 | 6.3 Million       | --        |
| 6. | Hydro Tech. Supply. Erection<br>Equipment, Testing,<br>Commissioning | HEB 3409 Dated<br>25-05-2009     | 119.520 Million   | --        |
| 7. | HMC<br>Supply of Penstock Pipes                                      | HEB 113-17<br>Dated 23-11-2009   | 48.54 Million     | --        |
| 8. | PIA<br>Welding, Erection & Testing<br>of Penstock pipes              | HEB 2464-66<br>Dated 10-05-2012  | 7.72 Million      | --        |

9). (a) Time Line:

|                       | As per PC-I      |                    | Approved Duration of Project | Approved Cost   |
|-----------------------|------------------|--------------------|------------------------------|-----------------|
|                       | Date of Approval | Date of Completion |                              |                 |
| <b>Original</b>       | 18 Nov 2008      | 16 July 2009       | 18 Months                    | 363.464 Million |
| <b>Revised (Last)</b> | 30 Jun 2011      | 2012               |                              | 417.984 Million |

(b) Time Over: YES

10). Cost:

|               | Actual          | 1st Revised Unapproved | 2 <sup>nd</sup> Revised | 3 <sup>rd</sup> Revised | 4 <sup>th</sup> Revised | 5 <sup>th</sup> Revised |
|---------------|-----------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Amount</b> | 363.464 Million | 417.984 Million        |                         |                         |                         |                         |
| <b>Date</b>   | 18 Nov 2008     | 30 Jun 2011            |                         |                         |                         |                         |

11). Financial Progress in terms of %: 100 %( Complete)

12). Physical Progress in terms of %: 100 %( Complete)

**Observations/Findings**

1. The original construction cost of Rs. 363.464 million of the project 3.0 MW Qadirabad HPP (Hydro Power Project) was approved by AKCDC on 02-08-2008. The work on the project could not be completed within approved cost due to increase in physical scope, as the scope in the approved PC-I was not adequate to meet the requirement.
2. The newly constructed civil infrastructure of the project was affected during the flood of 2014. As per actual design drawing the scope of penstock pipe also increased.
3. The structural work of 3.0 MW Qadirabad HPP includes left-over work of power channel, power house, approach road & penstock pipe. To complete the remaining work of the project the PC-I

costing Rs.17.284 million was submitted by PDO. The scope included in this scheme was missing in the original PC-I of the scheme.

4. The power house was functional on site & only one unit was running at average load of 800 KW. The Dhulli Feeder is connected to power house & is supplying power to the local areas of Bagh City.
5. The total length of water conveyance channels taking off from two diversion weirs is 3.6 KM. fore bay, water is conveyed to power house through 515 meter long & 1.0 meter diameter steel penstock. The power house is equipped with horizontal pelton turbines of double jet, which are delivering net output of 1.5 MW each at generator shaft.
6. The construction work of Qadirabad power house water channel is satisfactory.
7. The approach road of Qadirabad power house has been badly affected by flood on site.
8. The main building of power house has dampness at various sides of walls & roof.

### **Recommendations.**

1. The timeframe of completion project was 18 months. The date of approval of the project was 18 Nov 2008, but it has been completed on 30-06-2014. The sponsor agency may justify & incorporate the reasons for not completing this left-over work in original PC-I. If this was not possible in original scheme then it was responsibility of the implementers to submit revised scheme at appropriate time. The department should conduct inquiry regarding not completing the original scheme within the sanctioned time.
2. PC-IV of project is yet to be prepared by the department. Hence project completion report must be attached with PC-I to justify proposed leftover works.
3. The power house is running on isolation mode. To utilize the full installed capacity of the power house and to save the energy losses it is proposed by the PDO to connect the isolated mode operational power house with national grid, which will result in considerable increase in energy generation.

4. In future, no scheme may be considered for inclusion in the ADP for left-over works/protection works. If necessary the revised scheme may be submitted for consideration to relevant fora well in time.
5. The PDO should submit no duplication certificate that no item of protection work has been included in World Bank's project.
6. The Qadirabad Naulla flows in front of power house. So it would therefore be appropriate if the approach route be changed.
7. The covered area of power house building appears to be more than the power house requirement. It may be justified & in future proper planning is recommended to save the State exchequer from unnecessary expenses.

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

| S# | Name of Officer   | Designation      | Contact      | Duration               |    |
|----|-------------------|------------------|--------------|------------------------|----|
|    |                   |                  |              | From                   | To |
| 1. | Waheed Gillani    | Project Director |              | 2009 to 2011           |    |
| 2. | Sadiq Khan Mughal | Director         | 0344-7074170 | 2009 to 2011           |    |
| 3. | Shahid Iqbal      | Dy. Director     | 0345-9597363 | June 2009 to June 2012 |    |
| 4. | Basharat Ahmed    | Dy. Director     | 0300-4536258 | July 2012 to Date      |    |
| 5. | Mohammad Yaseen   | Dy. Director     | 0355-7603273 | 2009 to Date           |    |
| 6. | Shuj-a-ali Khan   | A.E              | 0355-7605589 | 2008 to 2012           |    |
| 7. | Zaheen Ahmed      | A.E              | 0345-9637125 | 2012 to 2013           |    |
| 8. | Amer Nazir        | A.E              | 0355-7101000 | 2013 to Date           |    |

**Monitoring Team (P&DD)**

| S# | Name                       | Designation            | Signature |
|----|----------------------------|------------------------|-----------|
| 1. | Ajaz Ahmed Lone            | Director General (M&E) |           |
| 2. | Abdul Akbar Tahir          | Deputy Director (M&E)  |           |
| 3. | Syed Muhammad Asif Bukhari | Chief Draughtsman      |           |

# PICTORIAL VIEW



Inlet Water Channel



Water Channel

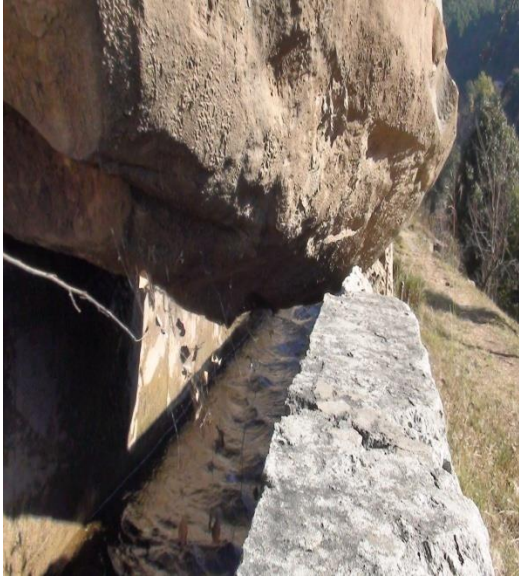


Water Channel

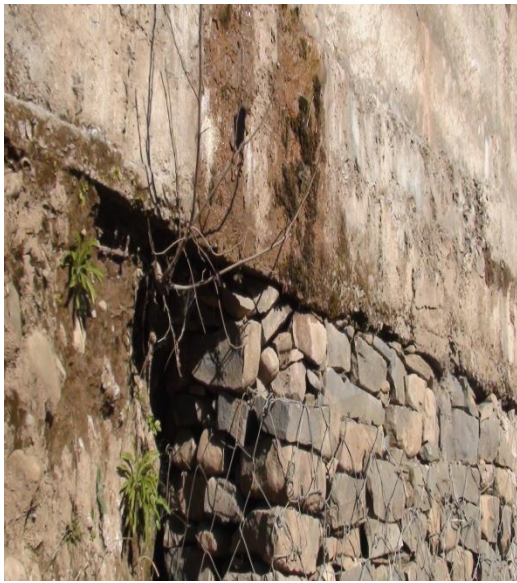


Water Channel





Water Channel Damage Due to Sliding



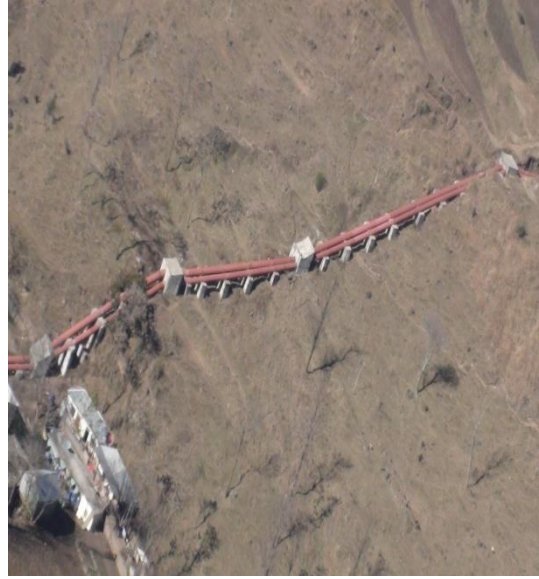


Seepage & Damages water Channel at various Points



Power House Main building





Penstock Pipe