

## ***Project Introduction***

1. Project title: **Aali Mahmud Dam**

2. Sector: Water, electricity and gas supply

Sub sector: collection, purification, supply, transfer and distribution of water and sewerage

3. Products/Services: **Annual Regulated Water: 6.1 mcm, Irrigation Network Area: 700 ha**

4. Location: ... Free zone  Economic special zone  Industrial Estate  Main Land

5. Project description:

Aali Mahmud dam is located near Aali Mahmud village, within 23 Km the southeast of Aligudarz city. Its UTM coordinations is x=363588 and y=3687968. The river is one of the great DEZ river's branches. The purpose of dam is to retain as much as possible water in order to irrigate the downstream lands and also industrial demands.

River Basin Area: 20 Km<sup>2</sup>, Annual Discharge: 7.2 mcm, Reservoir Volume: 2.88 mcm

### **Dam Specifications**

#### **Dam Body**

Dam Type: Homogenous Earth fill with Chimney Drain

Height : 32.5 m

Embankment Volume: 630,000 m<sup>3</sup>

#### **Diversion**

Length: 229 m , Location: Left Abutment

Type: 1.6 m diameter Pipe

Discharge Capacity: 19.5 m<sup>3</sup>/s

#### **Spillway**

Location: Left Abutment

Type: Free with Ogee

Discharge Capacity: 135 m<sup>3</sup>/s

#### **Intake**

Length: 229 m , Location: Left Abutment

Type: 0.6 m diameter Pipe

Minimum Capacity: 0.76 m<sup>3</sup>/s

6. Annual capacity: **6.1 mcm**

## ***Project Status***

7. Local / internal raw material access: **100 %**

8. Sale :

- Anticipated export market: %

9. Construction Period: **2.5 Year**

10. Project Status :

- |   |   |  |
|---|---|--|
| - Feasibility study available?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| - Required land provided?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| - Legal permissions (establishment license, foreign currency quota, environment, etc) taken?          | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| - Partnership agreement concluded with local/foreign investor?  | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| - Financing agreement concluded?  | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| - Agreement with local / foreign contractor(s) concluded?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| - Infrastructural utilities (electricity, water supply, telecommunication, fuel, road, etc) procured? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| - List of know-how, machinery, equipment, as well as seller / builder companies defined?              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| - Purchase agreement for machinery, equipments and know- how concluded?                               | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |

