

**The Investment Opportunities of
Islamic Republic of IRAN
in Hydropower**

1- Project title: Liro Dam and Power Plant		
2- Field of activity : Water and Energy Generation		
3- Project type: Establishment <input checked="" type="checkbox"/> expansion and completion <input type="checkbox"/>		
4- Project description: Iran Water & Power Resources Development Co (IWPCO) are studying Liro project for producing peak energy. Design specification of project components are determining based on feasibility study by Dezab consulting engineer. Liro dam is a double arch concrete dam with a height about 230 m and an underground power plant with a capacity about 324 MW is considered. Geotechnical investigations and water quality monitoring are some of the most important subjects that are surveying in this study now.		
5- Location: liro dam and power plant is located on the Ab-e-Zalaki river at the common margin of Chahar- mahal va Bakhtiari and Lorestan provinces.		
6- Products: Hydroelectric energy		
7- Total Capacity: 324 MW		Total Annual Product: 1025 GWh
8- Markets:	Domestic 100%	Foreign 100%
9- Local/internal raw material access: 100%		
10- sale: - Anticipated local market 80 % - Anticipated export market 20%		
11- Construction Duration: 7 years	Start: 2011	End: 2016
12- Operation Year: 2017	Length of Operation: 50 years	
13- Anticipated Employment:	Direct: 5300	Indirect: 16200
14- Project status:		
- Feasibility study available? In process	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
- Required lands provide?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
- Legal permissions (establishment license foreign currency quota, environment, etc.)taken? In process	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
- Partnership agreement with local/foreign investor concluded?	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 type="checkbox"/>	No <input checked="" type="checkbox"/>
- Infrastructural utilities (electricity, water supply, telecommunication, fuel, road, etc.) procured? The quantities for construction are procured.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
- List of know-how machinery, equipments, as well as seller/builder companies defined?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
- Purchase agreement for machinery, equipment and know-how concluded?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

15- Investment Volume and Fractions:

Description	Foreign Currency (Million Euro)
Total Investment	356

Exchange Rate: 1 Euro = 14000 Rials

- Internal rate of return (IRR): 16.84 %
- B/C: 1.8

16- Scheme of project financing:

- a- Foreign Direct investment (equity participation)
- b- Contractual Arrangements:
 - Short-term loan (financing)(*):
 - Buy-back:
 - BOT schemes: BOT BOO BRT BLT Other

(*)similar to the program of basic construction works (like access roads and diversion system) this part is foreseen to be financed from local sources and the main parts of the project from foreign financier.

17- Employer/ local partner profile:

- Name (legal/natural persons): *Iran Water & Power Resources Development Co. (IWPCO)*
- Company's current activities: *Hydroelectric Power Plant & Dam Projects Construction*
- Address: *No 3., Bidar St, Africa Junction, Modarres Expressway, Tehran, IRAN*
- Tel: 27823113, Fax: 27823151, E-mail (Mr. Shahram Jalali): s.jalali@iwpc.com, sh1352j@gmail.com
- Website: www.iwpc.com.
- Company's legal structure: Governmental Non-governmental Public non-governmental