Project Profile - Summary Sheet

Project Introduction

١- Project title: Construction of one megawatt solar powerhouse

٢- Sector : energy production **Sub Sector:** making electricity

٣- Products / Service: Generation of electricity from solar energy

٤- location: Free Zone☐ Economic Special Zone☐ Industrial Estate ☐ Main Land■

٥- Project description:

All human progress in technology depends on a vital component called energy. Without energy, none of today's tools can work. Currently, a large part of the energy resources are provided by non-renewable fossil fuels. Because these fuels are non-renewable and have very harmful effects on the environment, humans in the modern age have always been looking for a way to supply renewable energy, which is one of the best sources of energy permanently utilized. It is sunlight. In Iran, the idea of developing renewable power plants began in earnest and planned in the Fifth Development Plan. According to the Fifth Development Plan, by the end of the program, the country's ٥،٠٠٠ MW of electricity would be generated from renewable energy. The country now produces about ٦٠٠ to ٧٠٠ megawatts of renewable energy, far below the landscape goals (the country's Fifth Economic and Social Development Plan ended in ١٩٩٤). According to the plans under the Sixth Development Plan, at least between ٥٠٠ and ١،٠٠٠ megawatts of electricity generation capacity from renewable energy should be in circulation annually. However, the provinces of the country have a high capacity to absorb solar energy. Chaharmahal va Bakhtiari province is one of the provinces with high capacity in electricity generation from solar energy. The average hours of sunshine in the province are between ٣ and ٤،٠٠٠ hours. Therefore, the project justifies the economic justification for the construction of a solar power plant.

٦- Annual capacity: ٣٠٠٠MegaWath

Project Status

٧- Local / internal raw material access: ٣٠ %

٨- Sale: **- Anticipated local market:** ١٠٠ %

٩-Construction Period: ٦ months

١٠- Project status:

- Feasibility study available?	Yes■	No□
- Required land provided?	Yes□	No■
- Legal permissions (establishment license, foreign currency quota, environment, etc) taken?	Yes□	No■
- Partnership agreement concluding with local /foreign investor?	Yes□	No■
- Financing agreement concluding?	Yes□	No■
- Agreement with local /foreign contractor(s) concluding?	Yes□	No■
- Infrastructural utilities (electricity water supply, telecommunication, fuel, road, etc) procured?	Yes□	No■
- List of know- how, machinery, equipment, as well as seller /builder companies defined?	Yes□	No■
- Purchases agreement machinery, equipment and know-how concluded?	Yes□	No■

Financial Table

١١- Financial structure :

Descriptions	Local Currency Required			Foreign Currency Required Euro	Total Euro
	Million Rials	Rate(Rials)	Equivalent in Euro		
Fix Capital	١٥١٣٦٩	٢٧٦٩١٢	٥٤٦٦٢٩	٠	٥٤٦٦٢٩
Working Capital	١٦٥٥	٢٧٦٩١٢	٥٩٧٥	٠	٥٩٧٥
Total Investment	١٥٣٠٢٣	٢٧٦٩١٢	٥٥٢٦٠٤	٠	٥٥٢٦٠٤

- Internal Rate of Return (IRR):١٨/٧٢ **%**
- Payback Period(PP): **٤/٧٧**years
- Point to head : ١٨٪
- Net Present Value(NPV) : **١٩٦٢١٤ (Million Rials)= ٧٠٨٥٨١(Euro)**

General Information

١٢ - Project type : Establishment ■ Expansion and completion □

١٣- Company Profile:

- Name (Legal/Natural persons): Province Electricity Distribution Company of Chahar Mahal and Bakhtiari
- Address: Shahrekord, Chaharmahal and Bakhtiari Province, Iran
- Tel:٠٣٨٣٢٢٥٤٧٤٠ - Fax:٠٣٨٣٢٢٢٨٤٧٦ - Web Site : http://www.chb-edc.ir
- Local entrepreneur: public sector □ private sector □ other ■