Jordan’s Investment Maps

Dr. Bashar Al-Zu’bi
Senior Advisor to the CEO
Jordan Investment Board
Investment Maps
The Establishment of the Investment Map

- In light of the capabilities, potentials, economic privileges and leverage over neighboring countries as well as economic challenges, rises the inevitable need for a smart and creative initiative to both encourage and facilitate investments in Jordan.

- JIB recognized the need for identifying and studying prime projects in Jordan to provide potential investors with a guided head-start for investment to mutually benefit investors and Jordan as a whole.

- JIB established the "Jordan's Investment Map" to help in promoting Jordan to the international market, providing investors with exceptional ideas, comprehensive studies and solid facts enabling Jordan to progress and transform into a regional hub for business, distribution and tourism.
Phase I: Country Analysis Report
Conducting a comprehensive country wide analysis with market sector assessment covering national strategic sectors in which Jordan maintains a competitive and comparative advantage.
Phase II: Investment Profile
Preparing a report which provides a comprehensive idea about the investment environment and real investments in different developmental areas in Jordan. The aim of the report is to identify the comparative advantage of each area.

Phase III: Sector Analysis
Analyzing 15 sectors according to a scientific methodology and Identifying prime feasible investment ideas which benefiting both the country and investors.
Phase IV: Pre-feasibility Studies
Preparing pre-feasibility studies for 75 investment ideas with cost ranging between $3 million and $400 million for each project and a total cost of $4 billion for the whole investment map.

Phase V: Creation of the online geographic information system (GIS)
On JIB’s website, investment opportunities including project ideas identified by the JIB, but also partnerships offered by local businesses or PPPs are displayed through an interactive map of Jordan.
Number of Projects by Sector
Investment Map

Value of Projects by Governorate

Ajloun  Amman  Aqaba  Balqa  Irbid  Jerash  Karak  Ma'an  Madaba  Mafraq  Tafilah  Zarqa

JD million

0  200  400  600  800  1000  1200  1400
# The Jordan Investment Map – Chemical Sector

<table>
<thead>
<tr>
<th>Chemicals</th>
<th>Project Name</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polysilicon Production Plant</td>
<td>JOD 225M</td>
<td></td>
<td>Design, installation and operation of a silicon manufacturing plant (up to 3,000 tons per year capacity) – to supply silicon for manufacture of PV panels and silicon chips. Silicon fume is a by product that is used in ready mix concrete. There are different proprietary production technologies that could be used in the production process.</td>
</tr>
<tr>
<td>Silicon Metal Production Project</td>
<td>JOD 86M</td>
<td></td>
<td>A silicon metal production plant situated at Ras Al-Naqab, 65km from Aqaba Port in the southern part of Jordan, which has one of the world’s best-known sources for high quality silica sand deposits, with a modern silica production plant with annual capacity of 530,000 metric tons, close proximity to the main natural gas transit pipeline, and access to a prime source of water supply.</td>
</tr>
<tr>
<td>Plate Glass Factory</td>
<td>JOD 80M</td>
<td></td>
<td>Development and implementation of 700 tons per day factory. Based on experience elsewhere, the factory would cost approximately JOD 80 million and enable production of high quality float glass for export to the Middle East and elsewhere.</td>
</tr>
<tr>
<td>Packaged Industrial Waste Water Treatment Plants</td>
<td>JOD 10-15M</td>
<td></td>
<td>A joint venture or direct investment in turnkey water technology plant fabrication and assembly unit specifically targeting Jordanian industrial waste water conditions with a focus on providing membrane based water treatment.</td>
</tr>
<tr>
<td>Disinfectant Production</td>
<td>JOD 11M</td>
<td></td>
<td>Chemical Disinfectant related business involving the potential production and mixing of chemicals, wholesale marketing and representation of a large global branded disinfectant producer. The level of investment may vary significantly depending on the outcome of the pre-feasibility study.</td>
</tr>
<tr>
<td>Automated Solar cell production project</td>
<td>JOD 10M</td>
<td></td>
<td>Attracting a major solar panel manufacturer to set up an advanced automated assembly and production unit in Jordan in the range of one 25-50MWp production line. Such a facility will offer a comprehensive range of PV modules for grid connected as well off-grid applications and allow for custom modules.</td>
</tr>
</tbody>
</table>
The Jordan Investment Map – Energy Sector

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wind powered Electricity Generation Wadi Araba</td>
<td>JOD 17-54M</td>
<td>The development and operation of a wind farm [25 - 30 MW] at [Site Wadi Araba] that generates and supplies electricity to the national grid. The Project would readily fit into the existing electricity supply chain as an Independent Power Producer (IPP) or Public Private Partnership (PPP). The Wadi Araba site could be implemented with [30] MW at estimated capital cost of [US$800 to US$1,000] / kW (Total Cost JD 17+ million) and eventually expand to 100 MW.</td>
</tr>
<tr>
<td>Environment Waste Management company</td>
<td>JOD35M</td>
<td>Environmental Waste Management Company, with the technical knowledge and potential to develop into a regional company, managing Jordan’s waste management and environmental needs. The investment will be in; office and vehicle premises, capital equipment, building of recycling facilities, compression techniques, laboratory facilities for testing, transport and handling equipment, personnel and training.</td>
</tr>
<tr>
<td>CSP Power Generation</td>
<td>JOD 30M</td>
<td>This is a design and build venture that is sited on desert land that has little alternative use. The facility produces DC electricity that can either be used in DC electric processes (eg electrolysis) or transformed to AC for grid supply.</td>
</tr>
<tr>
<td>Gas Station Franchise</td>
<td>JOD 20M</td>
<td>A business capable of maintaining and improving the existing gas station asset base and further develop the retail outlet opportunities to their maximum potential. Introducing a more competitive alternative to the existing market by procuring products and services from the most competitive source. The total downstream investment is anticipated at $100M.</td>
</tr>
<tr>
<td>Packaged Industrial Waste Water Treatment Plants</td>
<td>JOD10-15M</td>
<td>A joint venture or direct investment in turnkey water technology plant fabrication and assembly unit specifically targeting Jordanian industrial waste water conditions with a focus on providing membrane based water treatment</td>
</tr>
<tr>
<td>Thermo-Chemical Energy Storage Company</td>
<td>JOD 10M</td>
<td>Thermochemical Energy Storage Company to identify and produce cost effective energy storage projects and products, initially within Jordan, and in the longer term to exploit know how and expertise for exports to other MENA countries. ZAE Bayer (Germany) is not necessarily a competitor but one of a number of potential collaborators. They have known how and experience to look at a suitable joint venture or knowledge transfer partnership.</td>
</tr>
</tbody>
</table>
Other Investment Maps

- JIB, in cooperation with the Ministry of Tourism, prepared investment map for the tourism sector. 100 investment ideas have been identified and 15 pre-feasibility studies have prepared for interested investors.

- JIB also prepared investment map for the telecommunication and IT sector in cooperation with Ministry of Telecommunication and Information Technology. 30 investment ideas have been identified across different areas in the country and 15 pre-feasibility studies have been prepared.
Promotion Plan

• Establishing a competitive and up to date country profile database for target markets.
• Conducting a comprehensive country wide analysis with market sector assessment covering strategic sectors in targeted markets.
• Direction in FDI strategies for the selected markets.
• Providing key company ranking by industry segments.
• Detailed implementation program that includes mechanisms to attract identified potential investors from each selected country.
Investment Map for the South

• JIB prepared, in cooperation with the governorates in the south, an investment map which is based on a detailed sectoral analysis for each governorate.

• The map includes pre-feasibility studies for 90 SMEs projects across the three governorates in the south. The cost of these projects is around $100 million.

• Investment maps will be prepared for the rest of the governorates in the Kingdom.
The promotional plan is a vital tool that facilitates transforming the business ideas into realities, thereby contributing to Jordan’s national development through:

- Visiting the governorates of the south and presenting the investment ideas.
- Linking with financial schemes.
- The JIB will work closely with the investors in sustaining their investment projects through advisory (counseling) services on a continuing basis, including, where necessary, training, marketing and support for partnership arrangements and technology tie-ups.
Thank you for taking the time to view the presentation. Please do not hesitate to contact us for any further information or any clarification.

Jordan Investment Board

P. O. Box: 893
Amman-11821-Jordan
Tel: 962 6 5608400
Fax: 962 6 5608427

www.jordaninvestment.com