



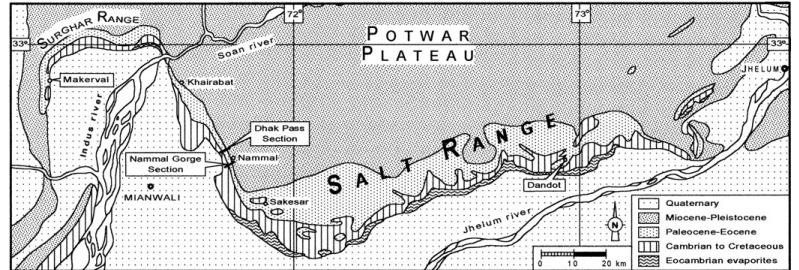
Establishment of Plants for Soda Ash & Caustic Soda at Salt Range

Economy/Industry/Sector

Country	Pakistan
GDP	US\$ 269 billion (Rs.27,384 billion)
GDP Growth	Actual 4.24 % (2014-15), Projected 4.3%-4.6%
Inflation	1.3% (September 2015)
SBP Policy Rate	6%
KSE (Market Capitalization)	US\$ 67.83 billion (Rs.7,054 billion)
Chemical (sub sector):	
Growth Rate	5.94% (2014-15)
Mining & Quarrying Sector:	
GDP Share/ Growth Rate	1.9% (2014-15) / 3.8% (2014-15)
Est. CPEC Investment	US\$ 45 billion

Project Background

World's largest and inexhaustible deposits of excellent quality rock salt are available in the Salt Range, Punjab, which extends 160 KM in length & 12 KM to 20 KM in width across Jhelum, Chakwal, Khushab & Mianwali. Thickness of the rock salt beds ranges from 300 ft. to more than 3000 ft. Good quality limestone deposits are also abundantly available in the Salt Range.



Present annual production of 2.1 million tons of rock salt is quite sufficient to meet the industry requirements, rather it can be increased to manifolds if the need arises. The production of limestone can also be achieved as per requirement of the industry, as the deposits are exploited through surface mining.

Mines and Minerals Department, Punjab is very keen for the establishment of rock salt based industrial plants for the manufacturing of soda ash & caustic soda etc and installation of coal fired power plant on mine mouth model.

M/s Olympia Chemicals Ltd. are already operating a soda ash plant in Khushab and utilizing local coal for running its 18MW power plant to meet the energy requirements.

Executing Agency

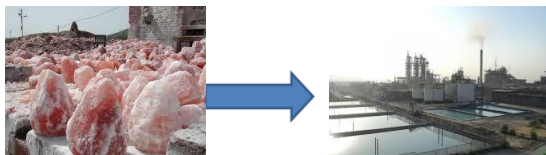
Mines & Minerals Department, Government of the Punjab is responsible for surveys, exploration, development & promotion of mineral resources, grant of licenses/leases, collection of rents, royalties & fees, infrastructure development in mining areas and providing health, safety & welfare facilities to mine workers.

Project Objective

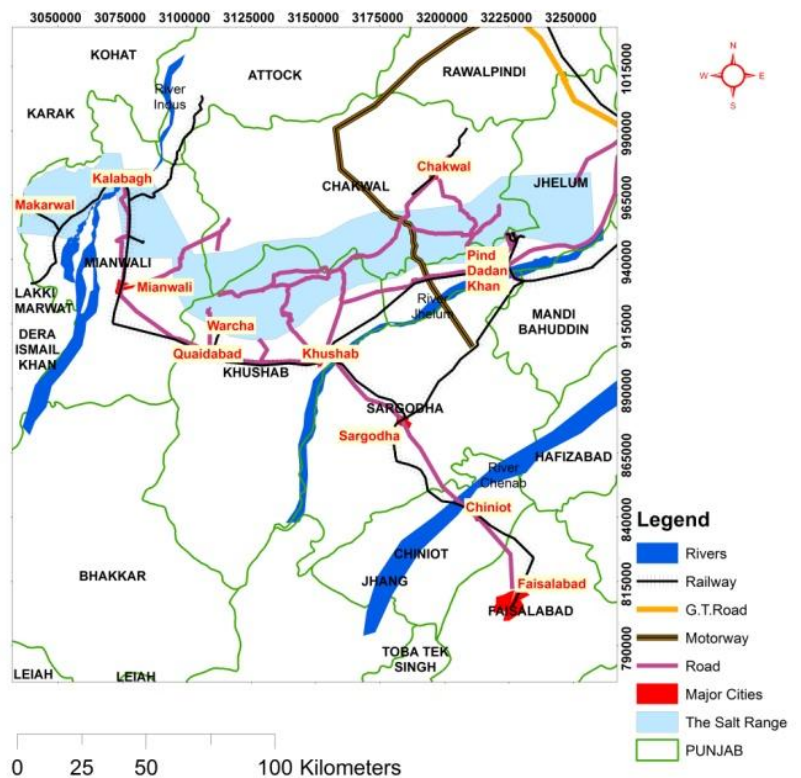
Use of the Mineral Resources of the province for the betterment of the people of the country and raise in Per Capita Income and GDP.

Proposed Project

Establishment of Chemical Plant for industrial production of Soda Ash, Caustic Soda etc along with establishment of Captive local Coal Fired Power Plant (upto 50 MW)



Investment Corridor and Infrastructure map



Proposed Transaction Structure

Ownership	Private sector
Legal Entity	SPV registered with SECP
Location	Salt Range Punjab
Project Period	30 Years (Extendable)
Government Role	Facilitator, Regulator

Project Assumptions

Project	Rock salt based chemical industry
Rock Salt Quality	NaCl more than 90%
Rock Salt supply	Bulk availability of rock salt can easily be ensured
Transportation distance	Maximum 30KM
Infrastructure	Road, rail and electricity network available



Establishment of Plants For Soda Ash & Caustic Soda at Salt Range

Product Range

- Soda Ash
- Caustic Soda
- Sodium Sulphate
- Sodium Silicate

Major Players

- **ICI Limited** Khewra, Jehlum
- **Olympia Chemicals** Khushab
- **Sitara Chemicals** Faisalabad
- **Ittehad Chemicals** Kala Shah Kaku, Sheikupura

Facilitation Factors

- Fast Track Grant of Large Scale Mining Leases for the raw materials
- Massive scope for mergers, acquisitions, technological up-gradation
- A good network of inter-connected roads and highways is available
- Trained/Semi skilled labour available at cheaper wages
- Utility facilities and required land readily available
- Water resources abundantly available
- International airports are available at around 2 hours drive
- Social, communal, cultural and peaceful environments
- Rich domestic and export potential markets

Way Forward

The proposed Project presents a great opportunity to invest in an integrated business model by establishing rock salt based industry, developing local coal mines and installing coal fired power plant at mine mouth. This model ensures high IRR with no supply chain risks, no foreign currency volatility risk and increased demand for electricity. In addition, Government of Punjab will ensure facilitation to Investors through Fast track Grant of Large Scale Mining Leases, Legal protection, facilitation and development of essential infrastructure in the zone.

The way forward for the proposed Project includes:

- Feasibility study by Investor
- Grant of Lease by DG Mines & Minerals, Punjab
- Project Implementation by Investor
- Provision of Essential Infrastructure in the Zone during Project implementation phase

Contact Information

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