

**Technology Exchange &
Coordination (Pvt) Ltd.**

TEC

**ENGINEERING
CONSULTANT**

Established since 1992

**Company
Profile**

TEC 
Engineering Consultant

About TEC

TEC was established in 1992 by Engr. Siddiq-ur-Rehman Rana (China) Flt.Lt. (Retd) to facilitate the investors in Setting up new Industry and Businesses with China.

Have set up Rs. Multi-Billion investment Soda ash, Ethanol, and H₂O₂, a total of 23 projects & is considered the highest performance industrial consultancy in the country. Have introduced four pillar approaches: Main frame from China, High tech from G20, local fabrication, and Professionals role from feasibility to production

TEC - Engineering Consultants specialize in Setting up green field projects, industrial zones, or SEZs from - Feasibility study till commercial production

TEC also Specializes in Business with China - Trading; Directly from manufacturers in China, hybrid equipment by blending components from G20, Transfer & adaptation of technology and upgrading existing industry, SMEs & setting up new.

OUR MISSION



Achieving Economic and Technological Sovereignty by making Pakistan Bio and Digitalization Hub

"WE WORK FROM PROJECT IDENTIFICATION TILL BOILER FIRING."

OUR FOCUS

- Maize, Sugarcane based 45 Bio-projects Eco-Industrial Park, attracting investment from China, EU, & G20 countries.
- Setting up "Industry Resource Centre" BKIT for ease of doing business.
- Setting up "Knowledge Value Chain at 4 pillars" (Digitalization, Sectoral Applied, Basic Research, Implementation) for Bio, Chem, Food processing sectors.



SERVICES

- **Project Identification** – Local raw materials used keeping in mind the world demand for 30 to 50 years.
- **Feasibility Study** based on data from R&D Institutes, Machinery, Manufacturers, and EPC Contractors.
- **Providing Supervision/Coordination** during Implementation. Training, Market Research, and Studies. Exploring JV partners in China.
- **Preparing the Equipment and Know-How Package** for setting up a new industry. We manage the latest technology most economically by:
 1. **Production line analysis** at the nut, bolt level for deciding possible local fabrication or importing from China, and G20 countries.
 2. **Forming and managing the consortium** of R&D institute, equipment, manufacturer, construction company in China for the project instead of going through trade houses.

A. Green field Industry

Have set up Rs. Billion plus investment projects Soda Ash, The biggest Ethanol project (400,000 ltr./day), H₂O₂ project, power plant based on local low quality coal, etc. 23 projects.

C. Govt. Policy input

Accompanied Finance Minister for Joint Ministerial Commission meeting at Beijing in 2000
Accompanied Prime Minister of Pakistan in November 2004 as Official delegate to China for investment conference
Consultant with Ministry of Commerce & Industry for FTA and economic strategy with China.

MAJOR ACHIEVEMENTS

B. Industry Resource Center (BKIT)

Upgradation of the existing Industry (SME) by introducing world best practices, fresh fruit processing project with ADB funding.

“Industry Resource Center” BKIT (Banks, Knowledge Shop, ICT/IT, Training) under one roof at Sundar Industrial Estate, Plot # 6 & 7



D. 5 Knowledge Products & IPO Registered Practical Tools

MAJOR ACHIEVEMENTS

- BKIT – Banks, knowledge shop ICT and training four pillar under one roof.
- Knowledge Shop for SME linkage with academia, R&D institutes, and BDSP
- Knowledge Value Chain
- Way forward for solving energy problems for SME
- SPM – imparting income generation Skills, facilitating in production & marketing, complete package for entrepreneurship

E. Integrated Industrial Complex Model

Controlling the **CAPEX** by forming the consortium of 3 for project execution; equipment manufacturers, Installation, construction companies, and R&D Org by ensuring quality, economy, and speed.

Achieving economy in **OPEX** by setting up integrated industrial complex by horizontal (Inputs related industry) & vertical (down-stream industry) Integration

Engr Siddiq-ur-Rehman Rana (China) Flt.It (Retd.)



JOB EXPERIENCE

1983 to 1990 Worked with Pakistan Air Force engineering branch
A. Pakistan Aeronautical Complex; Kamra - (1983 – 1986)

Significant Achievements at own initiative:

- i. Upgrading the performance and accuracy of production facilities by arranging overhauling of the equipment.
- ii. Organizing on-the-job training system

B. PAF Base Faisal (102 MU) The biggest engineering set up – (1986– 1990)

1981 – 1983 Worked with Pakistan Mineral Development Corporation as incharge of operation and maintenance and utilities at Salt and Coal mines.

- Successfully managed the efficiency enhancement of the old equipment

1978 – 1980 Worked in the design department of the Heavy Mechanical Complex Taxila

EDUCATION:

Graduation in Engineering: China - 1978 (North East Engineering University)

Chinese language Course: Beijing - China

MEMBERSHIPS:

Chamber of Commerce and Industry: Executive committee corporate class member for the year 2008-2009, Founding Convener: Pak – China, ASEAN Economic relations standing committee (Since 1999)

TEC MAJOR PROJECTS

1991-92

Pencil Plant
Syed Engineers

1992

Buses Project
Rana Motors Ltd.

1992-93

116 Buses
Prime Minister (Public
Transport scheme)

1994

Citric Acid Feasibility
Sikrand Sugar

1995

Aircraft Tyre
Panther Tyre

1995

Mineral Based
Projects
Sarhad Development

1995-97

Soda ash
Olympia

2000

Non-Woven Fabric
Project
Prince Group

TEC MAJOR PROJECTS

2000

Feasibility for pad &
Diaper
Habib Sugar Karachi

2000

Sanitary ware, Tiles,
Brick Plant for Africa
SKB

2001

Assembling of
Microwave Oven
Kentax Sirgroh Ltd.

2001

Glass Project
Rachna Glass

2002

Tunneling Machines
Bunny's Limited

2002

Lubra Strip Project
Treet Corp. Ltd.

2002-5

Industrial Alcohol
Premier Industrial
Chemical Manuf.

2003

Coal fired power
Feasibility
ICI Pakistan Limited

TEC MAJOR PROJECTS

2004–05
H2O2 Project
Descon

2004–05
Soda Ash Feasibility
Azgards

2004–05
Soda Ash Feasibility
Nishat Chunian

2005
Strategy reg. economic
relations with China
Ministry of Commerce
Govt of Pakistan

2005
Gree AC
DWP Group

2014–15
Food & Vegetables
exports to China
Bunny's Ltd.

2014–16
CPEC–SEZ along
ML–2
FWO

2016–17
Fruit & Vegetable
processing
Bunny's Limited

TEC MAJOR PROJECTS

2016-17

Syndicate Adviser
Civil Services Academy

2019-20

Soda Ash Feasibility
Engro

2020-21

Setting SEZ Project
DWO Group

2020-21

Feasibility Maize Based
Ethanol DDGS Project
SKB

Prospective projects

- i. **Maize** based 20 bio projects SEZ
- ii. **Sugarcane**, Molasses, distillery-based bio product, biofertilizer SEZ
- iii. **Mineral**: Soda ash, glass, etc. project SEZ, Cement and construction material SEZ



TEC FEASIBILITY PROJECTS COMPLETED

Sanitary Pad &
Baby Diaper
Habib Group Karachi

Vegetable
Dehydrating
Project

Industrial
Alcohol
(50,000 t/y)

Industrial
Alcohol
(100,000 t/y)

20,000 t/y (50%)
H₂O₂ Plant

Auto Project
(15,000 Unit Per
Year)

Soda Ash Project
(200,000 t/y)
Nishat Chunian

20,000 MTPA
(100%) H₂O₂
Project

TEC FEASIBILITY PROJECTS COMPLETED

Strategy regarding
Economic relation
with China
Ministry of Commerce
- ADB

Soda ash
200,000 t/y
Azgard

Flue Gas Waste
heat recovery
Power Plant

Maize based
Ethanol 60,000 t/y
HAC Agri

Maize based
Ethanol 40,000 t/y
HAC Agri

Eco - Industrial Park
/SEZ Engineering
DWP

Soda Ash Project
Engro

Maize based
Ethanol 60,000 t/y
+ DDGS
SKB

OUR SITES

Plot 6 & 7 Sundar Industrial Estate

<https://bit.ly/3T6yLUb>



➤ Proposed Structure at Sundar Industrial Estate, Lahore

OUR SITES

Plot 6 & 7 Sundar Industrial Estate

<https://bit.ly/3T6yLUb>



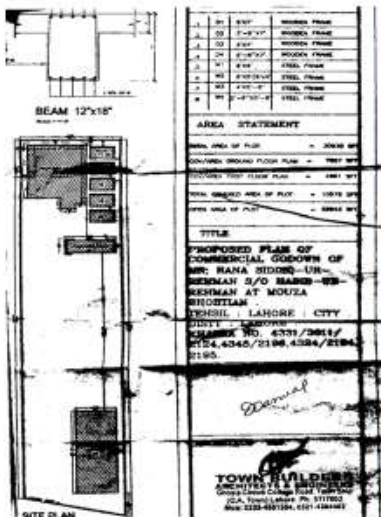
➤ Proposed Structure at Sundar Industrial Estate, Lahore

OUR SITES

Defence Road, Lahore - 7 kanal

<https://bit.ly/3dNrF6X>

➤ The Existing Structure at Defense Road, Lahore



➤ Proposed Structure at Defense Road, Lahore

GALLERY



SME - PPP

IRC - BKIT



GALLERY



GALLERY



GALLERY

BRC – MOU - FCCU



From left to right

Standing: Brig (R) Dr. Nayer Fardows, Dr. Kausar Abdulla Malik, Bimal Rehman, Syed Shoaib Nazir, Dr. Samina Mehnaz

Sitting: Engr. Siddiq ur Rehman Rana (China), Dr. James A Tebbe (Rector FCCU)



GALLERY



GALLERY



中 华 人 民 共 和 国 总 领 事 馆

荣誉证书 Certificate of Honor

China Friendship Award

西迪克·乌·拉赫曼·拉纳先生：

Dear Mr. Siddiq ur Rehman Rana,

荣获中国驻拉合尔总领馆“2021 年度
友谊奖”，特颁此证。

This is to certify that Mr. Siddiq ur Rehman Rana is
honored with the “Friendship Award 2021” of Consulate
General of the People's Republic of China in Lahore.

中国驻拉合尔总领馆
2021 年 11 月 28 日

Consulate General
of the People's Republic of China in Lahore
November 28, 2021

GALLERY



GALLERY



Naval War College



UNIVERSITY OF
SOUTH ASIA
Raiwind Road Campus

**ROAD MAP FOR NEED
BASED RESEARCH AND
COMMERCIALISATION**

GALLERY



GALLERY

Pakistan Embassy – 27th July



Contact Us



Postal Address

A - 63 Nisar Road, Lahore Cantt



Site Office - SIE

Plot no. 6 & 7
at Sundar Industrial Estate



Site - IT Tower

Defence Road, Lahore



Telephone

+92 - 42 - 36652997

+92 - 42 - 36650063



Email

tecrana@gmail.com



Websites

www.punjabindustry.biz

www.china-industry.biz

www.irc-bkit.biz