

CHINA PAKISTAN

ECONOMIC CORRIDOR



**A Game Changer and Harbinger of
Inclusive Regional Prosperity**

A Brief Introduction



**Planning Commission,
Development & Reform**
Government of Pakistan



This Project is Owned by Government of Pakistan under Supervision of Ministry of Planning Commission and Reforms. Vision 2025, the Future of Pakistan

Special Thanks To Ministry of Planning Commission for sharing such exclusive information



PRELUDE BY PROF. AHSAN IQBAL
DEPUTY CHAIRMAN PLANNING COMMISSION AND MINISTER
PLANNING, DEVELOPMENT & REFORM

“This Project is not only a game changer but a fate changer for Pakistan and for the prosperity of over 3-Billion people of the region”.



Presented By

Ch. Salman Qamar
MBA Evening
Reg. No: 19305

China-Pakistan Economic Corridor

Paving way for socio-economic development for all provinces of Pakistan

Afghanistan

Kashgar

China

INDIAN OCCUPIED KASHMIR

India

GWADAR

HOSHAB

BASIMA

KRIZZAR

SHAHROUKOT

DERA ALLAHYAR

ROHRI

DADI

LIARI

HYDERABAD

GUJATA

DERA ALLAHYAR

SHAHROUKOT

ROHRI

DADI

LIARI

HYDERABAD

D.I.KHAN

DARYA KHAN

MULTAN

FAISALABAD

KHANEWAL

LABORE

PESHAWAR

KOHAT

BANNU

TAXILA

ISLAMABAD

ABBOTTABAD

MANSEHRA

HARIPUR

ISLAMABAD

THAKOT

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HARIPUR



Shaping the roots of Cino-Pak Friendship Through CPEC, Chinese President XI-Jingpin's visit in April 2015



Chinese President HE Xi Jinping Inaugurated Various Projects on his Official Visit in April 2015.

OBOR Concept



One Belt One Road is a Chinese Concept which is used for “One Corridor – Multiple Passages”.

One Belt, Two Axes, Three Passages & Five Functional zones

Development of Energy, Trade, Transport and Industrial Corridor



CHINA

- HUBS
- CORRIDORS
- SEZ/SIZI/ EPZ



Major new Industrial Estates / Clusters will be set up along the new Trade Corridors

Five Functional Zones

Southern Xinjiang Zone of Industry, logistics, and economic development (Kashgar – Atushi – Tumshuq – Khunjerab)

Northern Pakistan Zone of border logistic channel, resource exploration and ecological conservation (Islamabad – Khunjerab)

Central Pakistan Zone of industrial and economic development (Karachi – Sukkur – Multan – Islamabad – Lahore)

Western Pakistan Zone of logistic channel, mineral exploration and ecological conservation (Gwadar – Quetta – Dera Ismail Khan)

Southern Pakistan Zone of energy, logistics, trade and business development (Gwadar – Karachi).

Early Projects (Priority Phase)

21 projects in the energy sector valuing US\$ 33793 Million

4 projects in the transport infrastructure sector valuing US\$ 9784 Million

8 projects for Gwadar valuing US\$ 792.62 Million



China Pakistan Economic Corridor (CPEC)

Monographic Study on Transport Planning (2014-2030)

Demand analysis of transport infrastructure

Plan for transport infrastructure for CPEC

Measures and recommendation for broadening of financing channels

Strengthening of safeguards, technical training and cooperation

Energy Cooperation

Hydro power 12,705 MW by 2020

Coal Power 8,220 MW by 2020

Wind Power 300MW by 2020

Solar Energy 1000 MW by 2020

New Power Projects with Qatar including Gas and LNG are in Progress



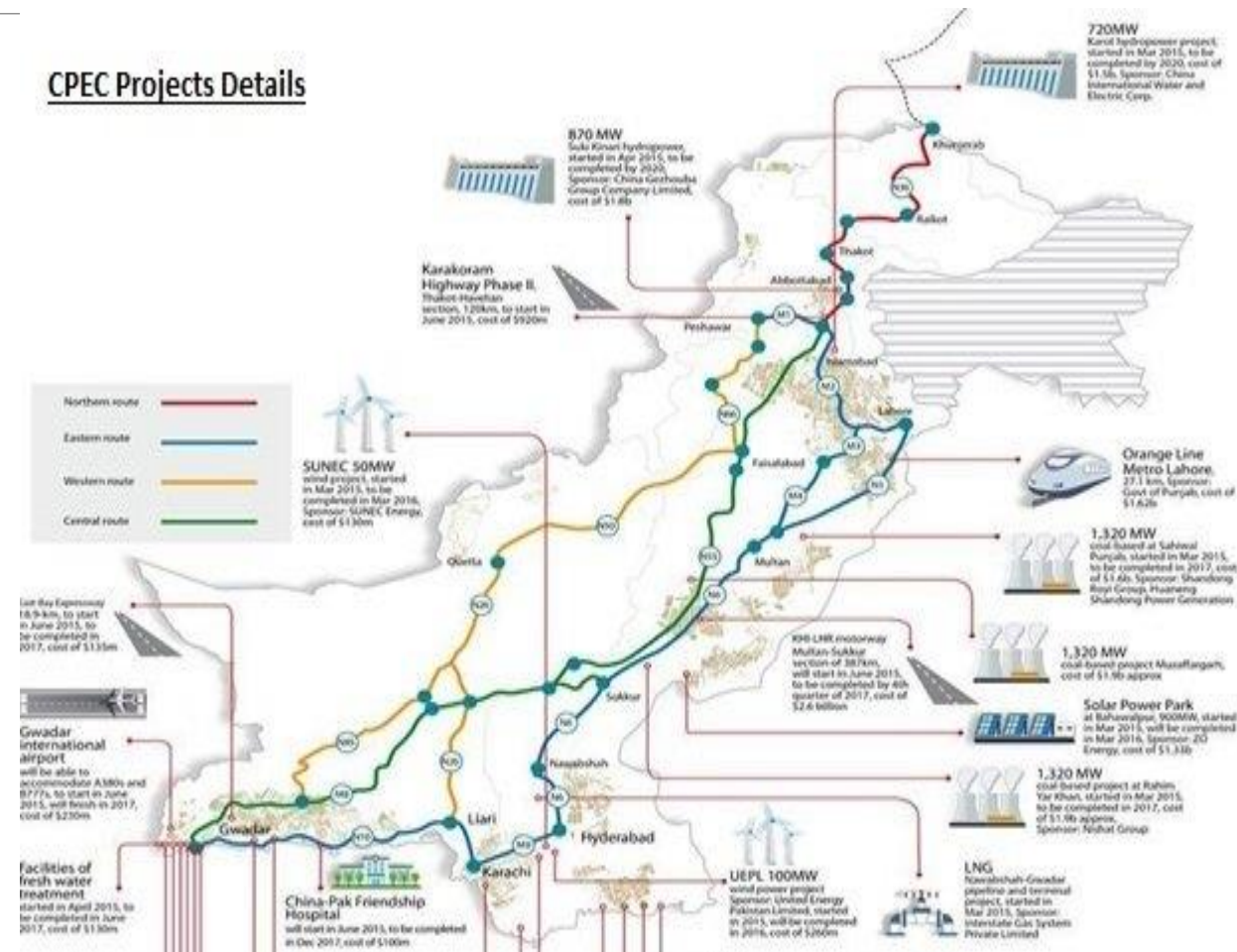
INFRASTRUCTURE CONSTRUCTION

- Highways
- Railways
- Civil Aviation
- Infra Structure Information Network-Optical Fibre Cable Network
(total 910 km, 24 core Cable, (135km in china, 125 from Sost to China, 650 km in Pakistan (Sost – RWP))
- Digital Television (DTMB)
- Basic Telecom Services (3G/4G)
- Electronic Surveillance in Border Areas

INDUSTRIAL COOPERATION - INDUSTRIAL ZONES / PARKS CONSTRUCTION

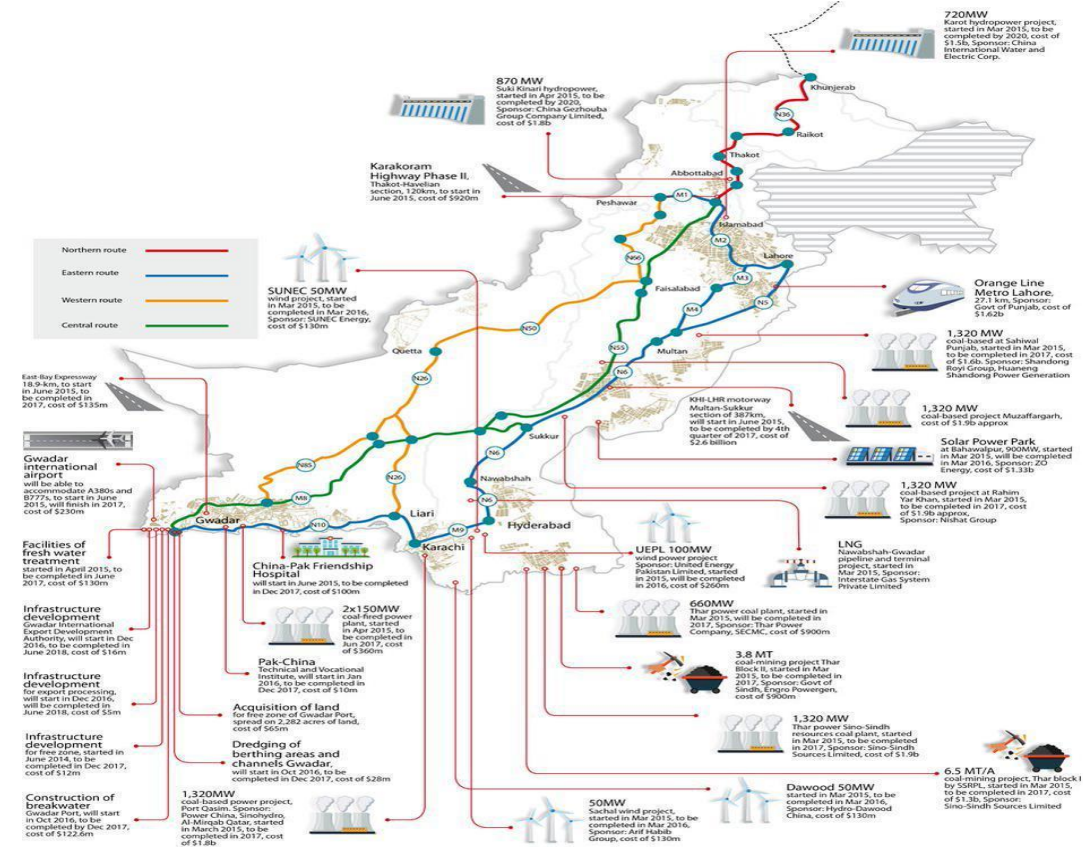
- ❖ Punjab (32)
- ❖ Sindh (33)
- ❖ Islamabad (3)
- ❖ Baluchistan (7)
- ❖ KPK (17)
- Balochistan and KPK Provinces (Western Area).
- Central Area
- Southern Area

CPEC Projects Details



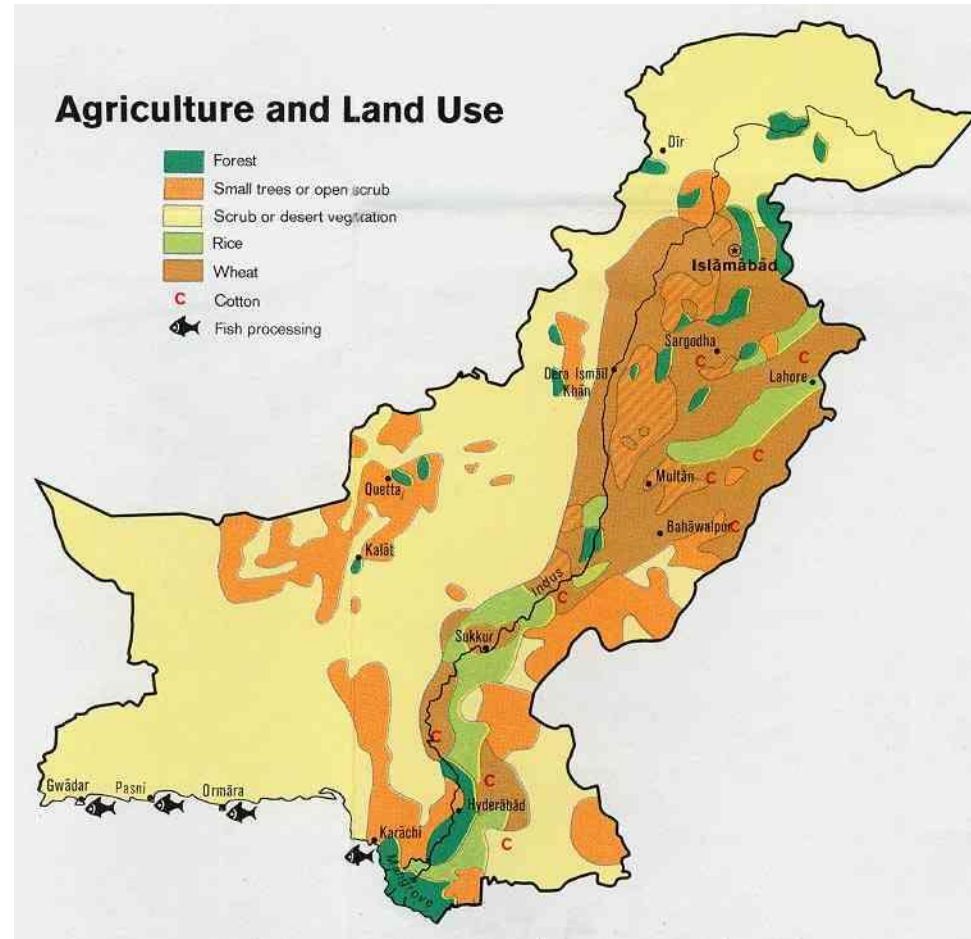
MID AND LONG TERM PROJECTS - SECTOR-WISE

- ❑ Chinese Cooperation in Energy Generation, Oil & Gas Exploration and their Distribution
- ❑ Informatization of Government and Key Industries
- ❑ Construction of International Submarine Cable Landing Station
- ❑ National Data Center Construction Project
- ❑ DTMB Introduction and Network Deployment
- ❑ Electronic Monitoring Project in Border Areas
- ❑ Strengthening Urban Security through Safe Cities
- ❑ Land Reclamation Project
- ❑ Water Resources Utilization Project
- ❑ Water Saving Modern Agriculture Demonstration Area



Agricultural Development and Poverty Reduction

- Agricultural Informatization Project
- Storage & Distribution of Agricultural Equipment and Construction Project
- Agricultural Mechanization Demonstration and Machinery Leasing Project
- Fertilizer Production Project.
- Livestock Breeding Project
- Livestock and Poultry Breeding Base Cleaning Project.
- Livestock and Poultry Product Processing Center Project
- Disease Prevention and Control System Project.
- Planting and Breeding.
- Agricultural Products Processing
- Storage and Transportation of Agricultural Products



Fishing Industry Development Projects

- Fishery Production Demonstration Project.
- Fishing Port Infrastructure Up-gradation Project.
- Aquatic Product Processing Center Project.





China Pakistan Economic Corridor (CPEC)

- Coastal Tourism Infrastructure Development
- Cooperation and Assistance in Water Supply and Discharge
- Financial Assistance and Cooperation
- Central Bank Cooperation
- Business Organization Cooperation
- Cooperation in Financial Markets



China Pakistan Economic Corridor (CPEC)

- ❑ Development of Gilgit-Baltistan on the pattern of Xinjiang Province of China
- ❑ Development of a Shipyard at Gwadar
- ❑ Establishing a Worldclass National University of Maritime Sciences at Gwadar
- ❑ Off shore exploration for hydrocarbons & mineral resources in Pakistan.
- ❑ Ferry Service as an alternate highway for operations “From –To Gwadar”.



China-Pakistan Economic Corridor

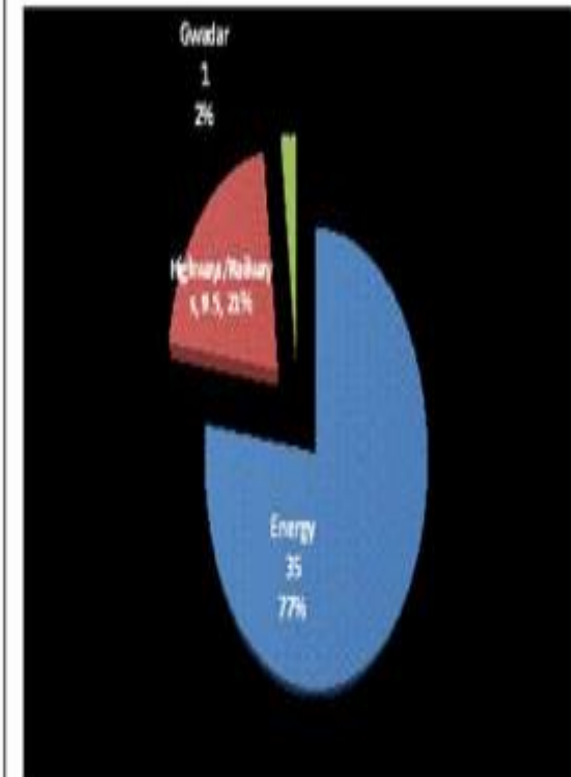
CPEC PORTFOLIO

Under CPEC framework, out of US \$46 billion, the major portion of US \$35 billion is being invested in energy sector and rest going to road infrastructure, railways, Gwadar and optic fiber. Its broad distribution is as under:

- Energy \$ 34.413 billion
- Roads \$ 6.100 billion
- Railways \$ 3.690 billion
- Gwadar \$ 793 million
- Optic Fiber \$ 44 million

Total (Estimated) \$ 45.040 billion

CPEC – Early Harvest Projects



DETAILS OF SHORT AND MID TERM INCLUDING EARLY HARVEST, ACTIVELY PROMOTED AND PRIORITY PROJECTS

CPEC Portfolio Projects

PROJECTS	Estimated Cost US\$ Millions
Energy	34,413
Transport and Infrastructure	
Roads	6,100
Rail Network	3,690
Gwadar Port	793
Others	44
Total	45,040

CPEC Energy Projects - Portfolio

Technology	EHP		Actively Promoted		Total	
	MW	Cost US\$ (B)	MW	Cost US\$ (B)	MW	Cost US\$ (B)
COAL	7560	12.26	5445	16.74	13005	27.040
WIND	250	0.64	100	0.15	350	0.784
HYDRO	1590	3.22	1100	2.397	2690	5.619
SOLAR	1000	1.668	0	0	1000	1.350
TOTAL	10,400	17.788	6,645	18.287	16,520	36.075

CPEC Energy Priority Projects

Sr. No	Projects	MW	Estimated Cost (US\$ M)
1	Port Qasim Electric Company Coal Fired, 2X660, Sindh	1320	1,980
2	Sahiwal 2x660MW Coal-fired Power Plant, Punjab	1320	1,600
3	Engro thar 4x330MW Coal-fired, Thar, Sindh	1320	2,000
	Surface mine in Block II of Thar Coal field, 6.5 mtpa, Thar Sindh		1470
4	Gawadar Coal Power Project, Gwadar	300	360
5	HUBCO coal power plant 1X660 MW, Hub Balochistan	660	970
6	Rahimyar Khan Coal Power Project, Punjab	1320	1,600
7	SSRL Thar Coal Block 1-6.5mpta Thar, Sindh	1320	1,300
	SSRL 2x660 MW Mine Mouth Power Plant,		2,000
8	Quaid-e-Azam 1000MW Solar Park, Bahawalpur, Punjab	1000	1,350
9	Dawood 50MW wind Farm, Bhambore, Sindh	50	125
10	UEP 100MW wind Farm, Jhimpir, Sindh	100	250
11	Sachal 50MW Wind Farm, Jhimpir, Sindh	50	134
12	Sunnec 50MW wind Farm, Jhimpir, Sindh	50	125
13	Suki Kinari Hydropower Station, KPK	870	1,802
14	Karot Hydropower Station, AJK & Punjab	720	1,420
15	Matiari to Lahore Transmission line		1,500
16	Matiari to Faisalabad Transmission line		1,500
	Total (Priority)	10400	21,486

CPEC-Energy Actively Promoted Projects

Sr. No	Projects	MW	Estimated Cost (US\$ M)
17	Gaddani Power Park Project		
	(i) 2×660MW	1320	3,960
	(ii) Jetty + Infrastructure		1,200
18	HUBCO coal power plant 1X660 MW, Hub Balochistan	660	970
19	Salt Range Mine Mouth Power Project including mining, Punjab	300	800
20	Kohala Hydel Project, AJK	1100	2,397
21	Pakistan Wind Farm II 2X50 MW(Jhampir, Thatta, Sindh)	100	150
22	Thar mine mouth oracle, Thar Sindh	1320	1,300
23	Muzaffargarh Coal Power Project, Punjab	1320	1,600
24	Gas Power Plant 525 MW	525	550
	Total (Actively Promoted)	6645	12,927
	TOTAL Energy Projects	17045	34,413

China Pakistan Economic Corridor (CPEC)

CPEC - Transport Infrastructure Sector Projects

Sr. No	Projects	MW	Estimated Cost (US\$ M)
1	KKH Phase II (Railkot - Islamabad Section)	440	3,500
2	Peshawar - Karachi Motorway (Multan-Sukkur Section)	392	2,600
Rail Sector Projects			
1	Expansion and reconstruction of existing Line ML-1	660	3,650
2	Havelian Dry port (450 M. Twenty-Foot Equivalent Units)	300	40
TOTAL			9,790

CPEC Gwadar Port Related Projects

Sr. No	Projects	Estimated Cost (US\$ M)
1	Eastbay Expressway	140.60
2	Gwadar International Airport	230.00
3	Construction of Breakwaters	123.00
4	Dredging of berthing areas & channels	27.00
5	Infrastructure for Free Zone & EPZs port related industries	32.00
6	Necessary Facilities of Fresh Water Treatment and Supply	130.00
7	Hospital at Gwadar	100.00
8	Technical and Vocational Institute at Gwadar	10.00
Total Gwadar Port Projects		793.00

China Pakistan Economic Corridor (CPEC)

Other Projects

Sr. No	Projects	Length (km)	Estimated Cost (US\$ M)
1	Cross Border Optical Fiber Cable		44
2	DTMB		
	Total		44
	Total Cost of CPEC Projects		45,040

MISCELLENEOUS PROJECTS (Associated with Chinese Support to Provincial/Private Entities)

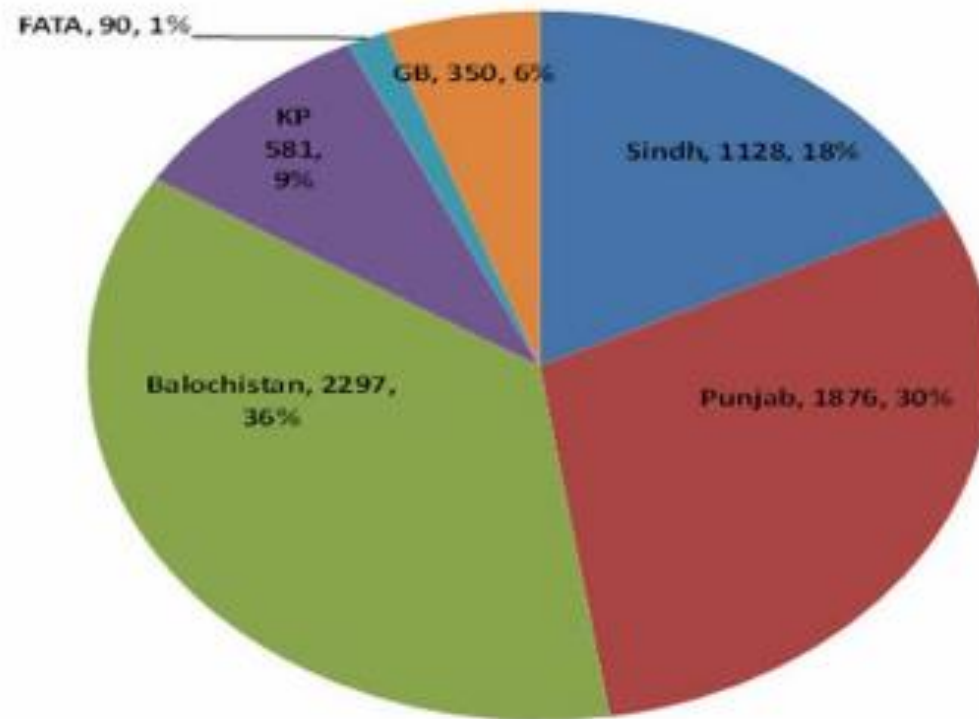
Sr. No	Projects	Capacity/Length (km)	Cost (US\$ M)
1	Gwadar - Nawab Shah Gas Pipeline (Private)	1000mmcf/700	TBD
2	Gwadar LNG Terminal (Private)	500mmcf	TBD
3	Gwadar-Kashgar Oil pipeline (Private)	Feasibility underway by FWO	TBD
4	Orange Line Train (Financed by Punjab Govt)	27	1600
	Total Cost of Misc. Projects		TBD

China Pakistan Economic Corridor (CPEC)

**CPEC Railway Projects PSDP 2016-17
(Billion Rupees)**

Project	Est. Cost	Expenditure	Allocation 2016-17
Comprehensive Feasibility Study for Upgradation/Rehabilitation of ML-I and New Dry Port at Havelian, Haripur under CPEC	0.390	0.361	0.028
Doubling / Improvement of Existing Track from Port Qasim to Bin Qasim Station	1.568	0.400	1.168
Feasibility Studies for Updation of Existing ML-II and Upgradation & Extension of ML-III (Revised)	0.532	0.020	0.165
Feasibility study for Rail Link from Havelian to Pak China Border (682 K.M)	0.474	-	0.001
Rehabilitation / Upgradation of ML-I including Acquisition of Land for New Dry Port at Buldhair, District Haripur	0.300	-	0.300

Railways Network Length (km)



CPEC Optical Fiber Project





Khyber Pakhtunkhwa Economic Zones Development & Management Company



Government of Khyber Pakhtunkhwa

ECONOMIC ZONES OF KPEZDMC

1	Hattar Economic Zone	1424 Acres
2	Ghazi Economic Zone	89 Acres
3	Jalozai Economic Zone	257 Acres
4	Rashakai Economic Zone	1,000 Acres
5	Karak Economic Zone	1,000 Acres
6	Gomal Economic Zone (DI Khan)	189 Acres
7	Risalpur Economic Zone	92 Acres
8	Nowshera Economic Zone	100 Acres
9	Chitral Economic Zone	50 Acres
10	Buner Economic Zone	200 Acres
11	Mansehra Economic Zone	108 Acres
12	Swat Economic Zone	50 Acres
13	Gadoon Amazai Economic Zone	200 Acres
14	Bannu Economic Zone	400 Acres
15	Jahangira Economic Zone	100 Acres
16	Kohat Economic Zone	1,000 Acres
17	Batagram Economic Zone	100 Acres

**Government
Incentives**

**Uninterrupted
Electricity**

**Access to
Resources**

**Location
Advantage**

**Trained
Human Resource**

access to
ALL AMENITIES

**ONE WINDOW
OPERATION**

SPECIAL ECONOMIC ZONES



Pakistan in collaboration with China will establish state-of-the-art technical and vocational institutes along the China-Pakistan Economic Corridor route

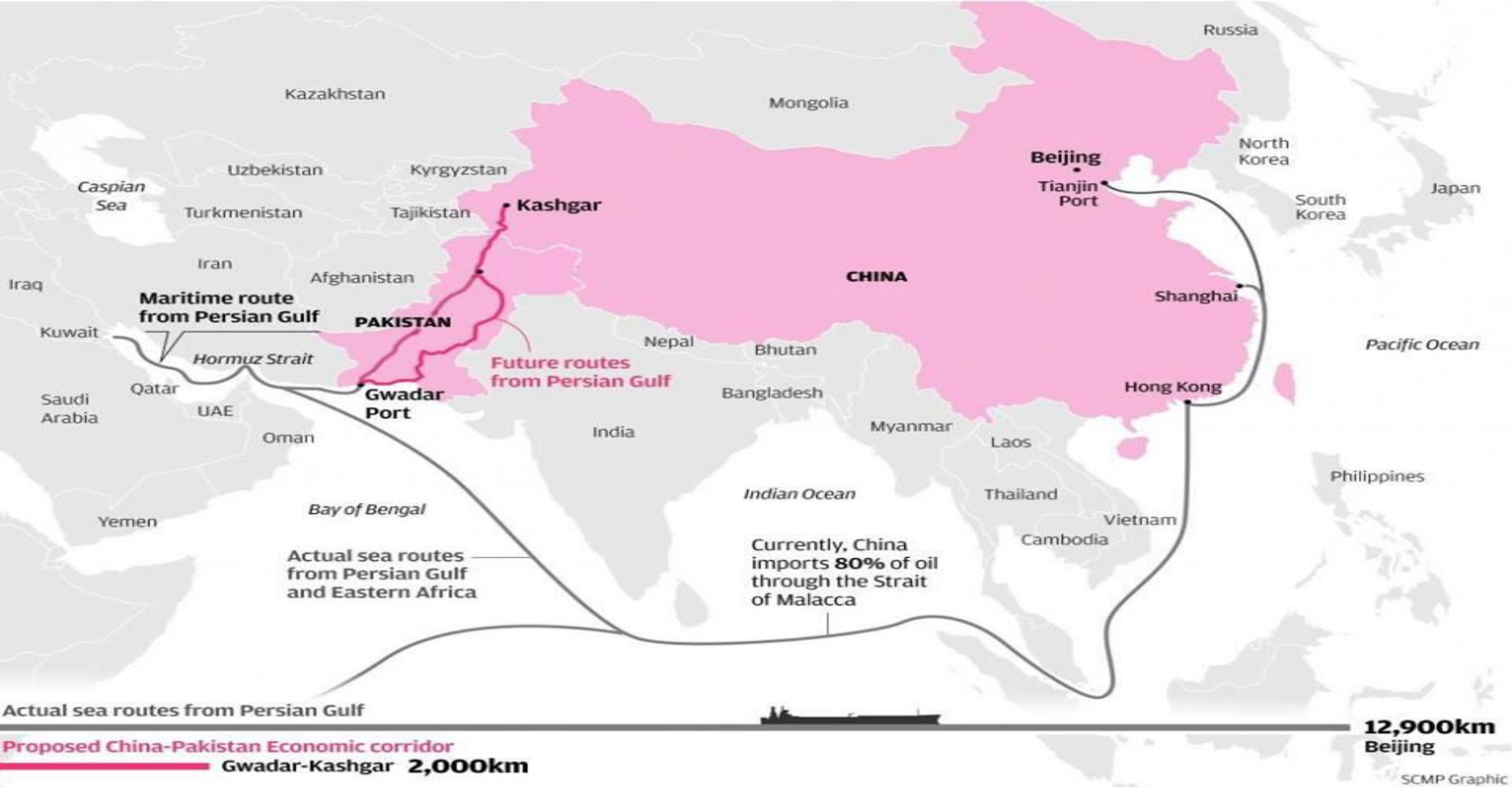
CPEC would turn Pakistan into “a regional manufacturing hub and a lucrative market for Foreign Direct Investment (FDI)”.



For China, it will reduce transportation time for goods and energy



Reducing Transportation time from 45 days to less than 10 days. OBOR



Gawadar Port will save more than 11,000 Km distance for fuel shipments and transportation

CHINA PAKISTAN ECONOMIC CORRIDOR FACT#1

95% of construction work on Gwadar-Ratodero road had been completed.
Western route of CPEC to be completed by 2018



CHINA PAKISTAN ECONOMIC CORRIDOR FACT#2

A nightmare for Pakistan's enemies indeed — CPEC will
stronghold Pakistan's feet in the region.
A boon for Economy!



CHINA PAKISTAN ECONOMIC CORRIDOR FACT#3

CPEC includes a 720MW Karot Hydro-power Project for Pakistan.



720-MW Karot Hydroelectric Project
Punjab Province of Pakistan

CHINA PAKISTAN ECONOMIC CORRIDOR FACT#4

The CPEC project will ensure security and safety in Balochistan, so Gwadar Port sees peace.



CHINA PAKISTAN ECONOMIC CORRIDOR FACT#6

CPEC also includes the Wind Power Projects in Thatta. Sindh will benefit as well.



CHINA PAKISTAN ECONOMIC CORRIDOR FACT#7

The CPEC projects will create thousands of jobs all over Pakistan.



CHINA PAKISTAN ECONOMIC CORRIDOR FACT#8

CPEC plans to help energize 100 MW of Solar Power plants in Bahawalpur.





TAPI Deal has successfully won by a Japanese engineering firm in the result of which Pakistan will be its part.

MEGA Development Projects For Gilgit Baltistan Region

- 1- [Raikot Khunjerab](#) pass Highway 335 km completed
- 2- Khunjerab Optical fiber under construction
- 3- [Attabad](#) Lake 5 tunnels with 27 km Road 27 Billion Rs complete
- 4- Rai Kot [thakot](#) Highway 147 km 80 percent completed
- 5- Havelien Khunjerab Railway project 1200 billion rupees long term
- 6- Havelien Thakot Expressway 180 km under construction 192 Billion
- 7- [Hasanabad Havelien](#) Motorway 60 km 24 billion
- 8- Gilgit hospital 250 bed
- 9- [Sakardu](#) hospital 250 bed
- 10- [Karimabad Hunza](#) hospital 100 Bed
- 11- [Ghanche](#) hospital 50 bed
- 12- Skardu Expressway 170 km under Tender
- 13- [Diamerbasha](#) Hydro Power Project 4800 Mw
- 14- [Booni](#) Hydro Power Plants 7100 under MOU
- 15- [Satpara](#) Hydro Power 17 Mw
- 16- 25 patrolling vehicles gifted by china
- 17- [Sust](#) dry Port
- 18- Sakardu [Kashmir](#) Road Link in Process
- 19- Sakardu economic Zone Planning
- 20- Gilgit Economic Zone Planning
- 21- Technical Colleges And one University Planning
- 22- 6 hydro power plants Medium term planning"

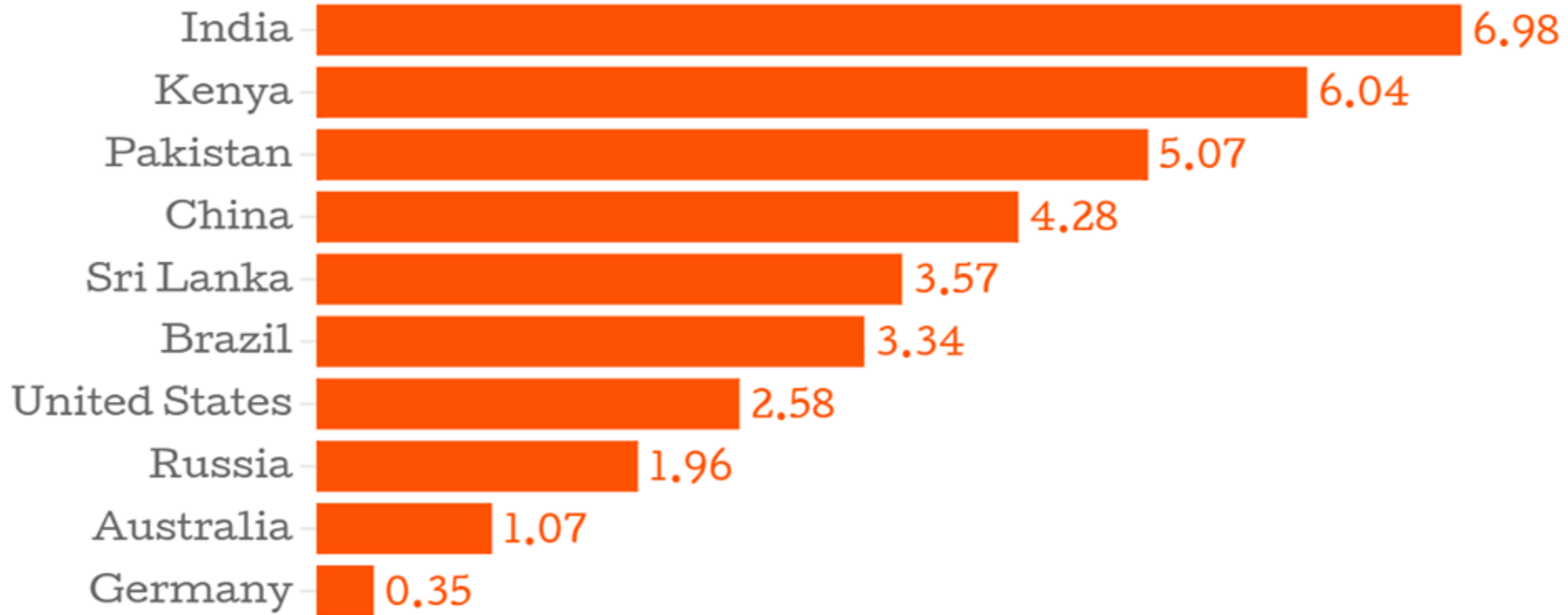
CPEC set to attract \$150b investment in Pakistan



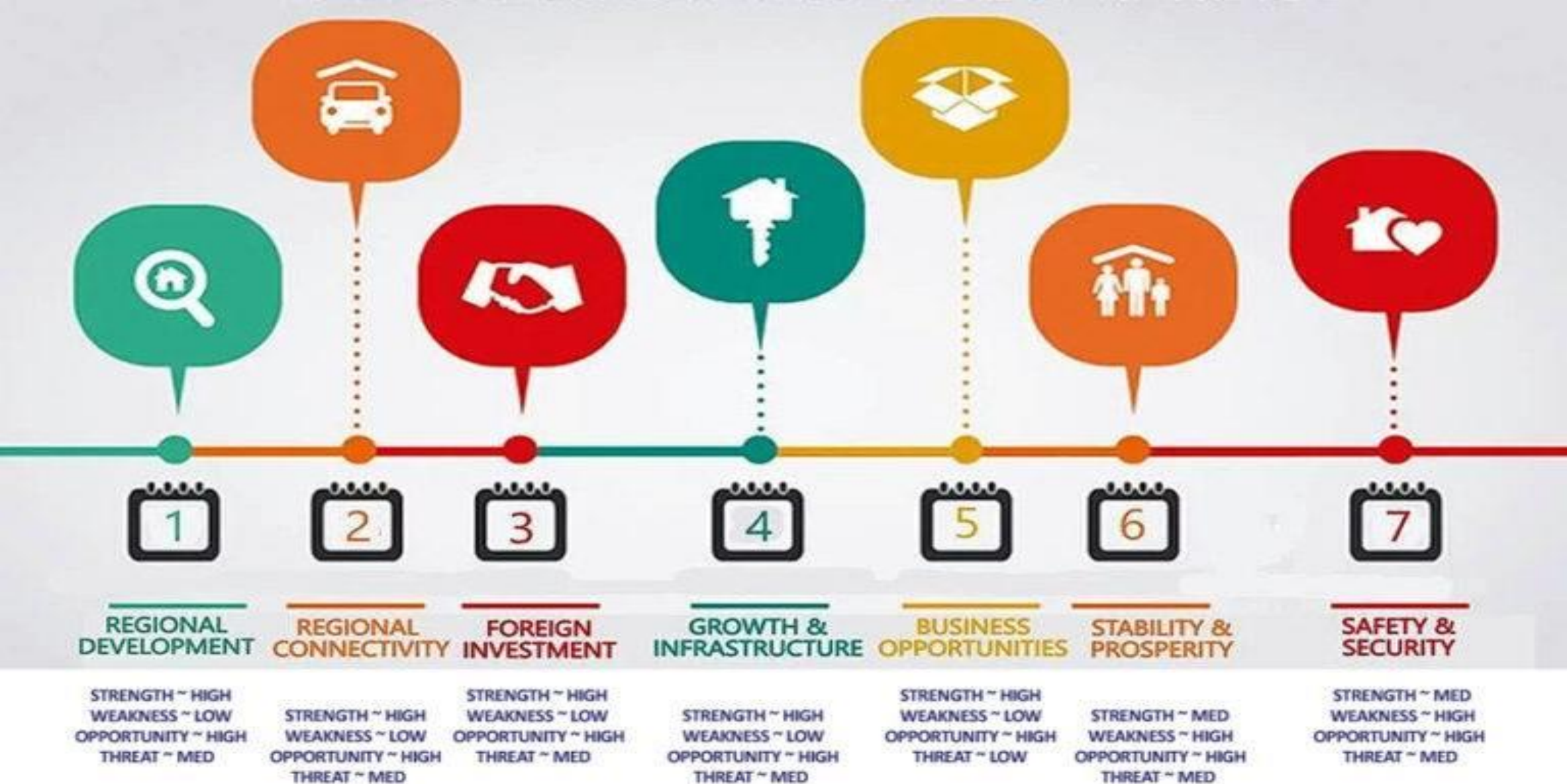
"CPEC will blaze a whole new trail," Chinese President Xi Jinping and Prime Minister Nawaz Sharif say.

Growth projections for countries through Economic Complexity Index

Predicted annual growth rate till 2024 (%)



Harvard predicts Pakistan GDP to grow by 5,07% over next 08 years



CHINA PAKISTAN ECONOMIC CORRIDOR (CPEC)

SEVEN WINDOWS OF OPPORTUNITY, 7 WHEELS OF TRANSFORMATION



**REGIONAL
PEACE**



POLITICS



MILITARY



ECONOMY

CPEC

**CPEC is a shining example of Pak-China
Cooperation & Friendship**

Construction of new 46 Hospitals

These 46 hospitals will be fully funded Federal hospitals with state of the art facilities and will be designed by international consultants.

Nationwide Network of Hospitals is a Big Development in Health Sector.





Kuwait wins approval for setting up oil refinery in Balochistan under CPEC

SECURING THE OIL SUPPLY CHAIN





Thar Coal Power Project Under Construction. Plant and Mining Site. The Plant will Produce 660 MW in 2019. It's Thar Coal Energy & Power project (TCEP) located in Tharparkar, Sindh



KARACHI: Under-construction 1,320 MW Port Qasim Power Project comprising two 660 MW supercritical coal power plants



latest pictures of 1320 MW Sahiwal Coal Power Project



Neelum Jehlum Hydro Power Project Under Construction 1 unit to be operation in July 2017 total Power Generation capacity of Neelum Jehlum is 969 MW



Three hundred megawatt electricity has been added to the national grid after the completion of second phase of the Quaid-i-Azam Solar Park near Bahawalpur



50 MW Yunus Energy Ltd Wind Power Project, Jhimpir, Thatta, Sindh Work Completed Achieved Commercial Operations Date



Power Projects Under Construction in Pakistan.



Yunus Energy (50 MWs)

Metro Power (50 MWs)

Gul Ahmed Energy (50 MWs)

Master Energy (50 MWs)

Tapal Energy (30 MWs)

HydroChina Dawood (50 MWs)

Tanaga Generasi (50 MWs)

The nuclear projects include Chashma 3 (340 MWs) and

Chashma 4 (340 MWs).

1,000 MW Power Projects Soon to Be Part of The National Grid

China Pakistan Economic Corridor (CPEC)

PM Nawaz inaugurates five CPEC Projects in Gwadar, Balochistan

- The development projects include
- 1- Free Trade zone,
 - 2-Business complex of Gwadar Port Authority,
 - 3-Pak-China Government Primary School Faqir Colony,
 - 4-Sawar and Shadikor dams and
 - 5-Gwadar University, according to Radio Pakistan.

EAST WAY EXPRESSWAY 18.9		BREAKWATER CONSTRUCTION GWADAR PORT	
GWADAR INTERNATIONAL AIRPORT		CHINA PAK FRIENDSHIP HOSPITAL	
FRESH WATER TREATMENT FACILITY		COAL PLANTS X 2 150 MEGAWATTS	
GWADAR INTERNATIONAL EXPORT DEV AUTHORITY		PAK CHINA TECHNICAL VOCATIONAL INSTITUTE	
GWADAR FREE ZONE		LAND AQUISITION FREE ZONE	
GWADAR EXPORT PROCESSING INFRASTRUCTURE		BERTHING AREAS AND CHANNELS DREDGING	



China to upgrade Pakistan's 1872 kilometers railway track

Swat Motorway/Expressway Route Map



Swat Motorway / Expressway Route Map

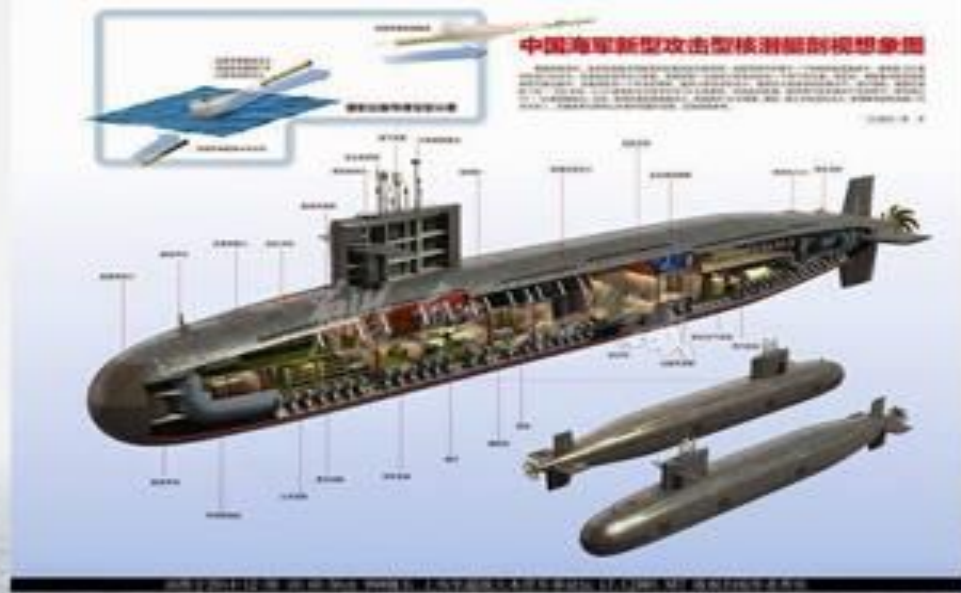
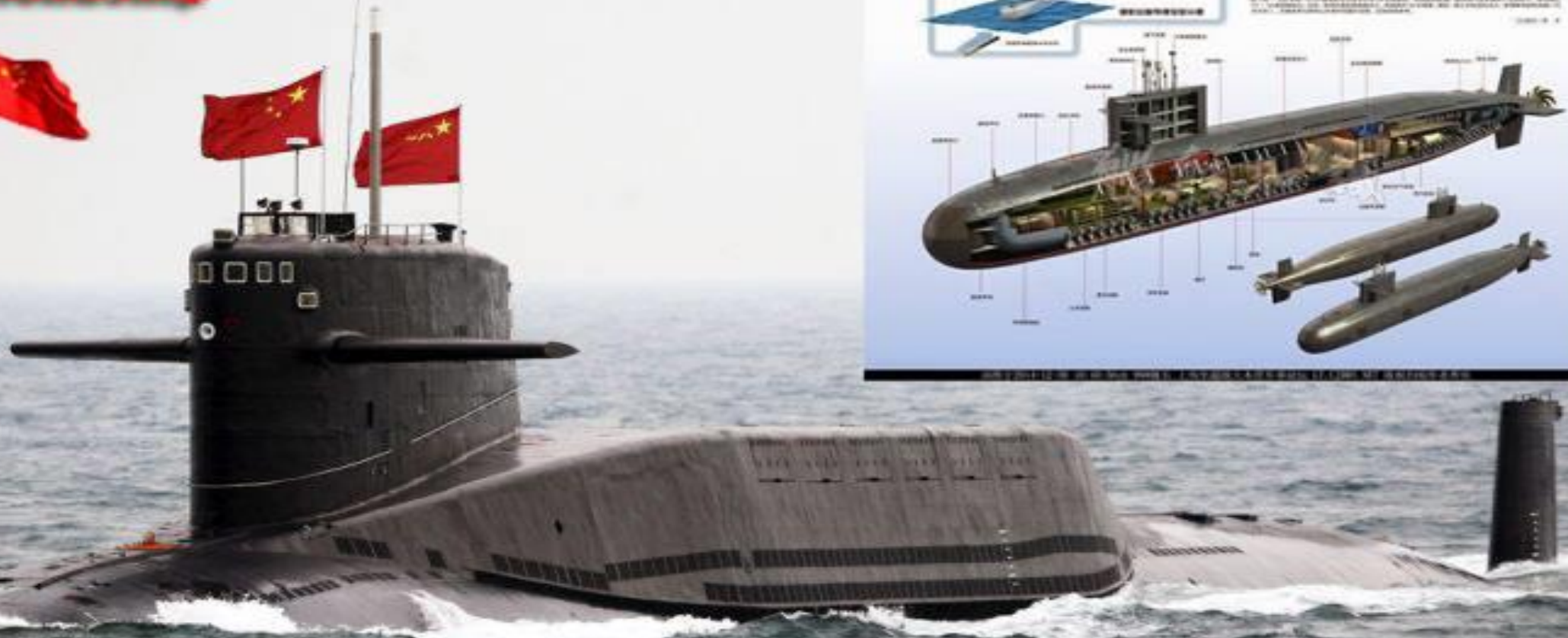
Government is reportedly considering using armed drones for security of China-Pakistan Economic Corridor projects



FAC missile inducted into Pak Navy to secure CPEC



PakChinaFriendship



China will provide the Pakistan Navy with eight modified diesel-electric attack submarines by 2028



Pakistani rock star Ali Azmat has gone to China with a team traveling on KKH



CPEC Summit & EXPO held in Islamabad on 29th August 2016

Video Links

Introduction short Documentry on CPEC

<https://www.facebook.com/ChinaPakEconomicCorridor/videos/1756602107941649/>

CPEC Road

<https://www.youtube.com/watch?v=H6ksjltkG8g>

World 40% Oil and Chinese 60% Oil

<https://www.facebook.com/ChinaPakEconomicCorridor/videos/1755085784759948/>

CPEC and Chinese Trade

<https://www.facebook.com/ChinaPakEconomicCorridor/videos/1753222938279566/>

Comparison of Gawadar and Chahbahar Iran/india

<https://www.facebook.com/ChinaPakEconomicCorridor/videos/1726857317582795/>

پاک شکرینیا پاکستان
Shukriya Pakistan

Thanks