



**On the “Ural Industrial – Ural Polar”
Federal Comprehensive Project
Implementation Process**

February 2010



Founders – constituent territories of the Russian Federation:



- Tyumen oblast



- Chelyabinsk Oblast



- Khanty-Mansy Autonomous Okrug



- Yamal-Nenets Autonomous Okrug



Objectives of the Ural Industrial – Ural Polar project:

Ensuring economic security of Russia,
development of geostrategically significant territory

Increase of Russia's basic industries competitiveness level

The Urals Federal District and the Russian Federation transport and energy infrastructure
development

Acceleration and decrease of risks of regional economies' development by means
of large-scale diversification



1st phase of project implementation –
working out of design documentation
2008 – 2009

Actual amount of financing provided by the Investment Fund of the
Russian Federation –
RUR 3 829,1 mln

Actual amount of financing provided by the off-budget sources –
RUR 1 980,4 mln

2nd phase of project implementation –
construction of railway and energy infrastructure
objects for the purposes of mining production
development



Project structure:

Transport infrastructure

- Polunochnoye-Salekhard-Nadym railroad
- Nadym-Salekhard railroad
- Obskaya-Karskaya railroad
- Tyumen-Agirish-Salekhard motorway

Energy infrastructure

- Construction of eight power supply stations, 6000 MW total
- Construction of high-voltage lines, over 900 km total

Mineral resources development

- Development of three condensed gas deposits
- Development of three chromite ores deposits
- Development of the copper-zinc and copper-molybdenum deposit
- Development of the iron ores deposit
- Development of the brown coal deposit

Industrial sector

- Construction of the propylene production plant



*Taking into account the investment prior to 2010

Amount of investment		RUR, bln (01.01.2009 prices)		
Name	Off-budget means	The Investment Fund means	Budget of Russia's constituent entities	Total
Total amount of investment	629,2	126,8	75,2	831,2
Transport infrastructure objects	169,5	126,8	75,2	371,5
Energy infrastructure objects	311,9			311,9
Mineral resources development enterprises	147,8			147,8



Transport infrastructure

Object of transport infrastructure	Length	Investment, mln RUR 1.01.2009 prices (VAT incl.)	Source of finance	Construction time-frame
Polunochnoye-Obstkaya-Salekhard railway	902,5 km	102 538	The Investment Fund of the Russian Federation	2010 - 2015
Salekhard-Nadym railway	354,6 km	57 007	The Investment Fund of the Russian Federation, off-budget sources	2010 – 2014
Obstkaya-Karskaya railway	573 km	131 500***	OJSC “Gazprom”	1986 - 2011
Tyumen-Agirish-Salekhard motorway	795 km	75 228	Budget of the Russian Federation constituent entitites	2013 - 2019
Combined bridge on the Nadym river	1335 running meters	7 853,7**	Budget of the Russian Federation constituent entitites	2010 - 2014
Combined bridge on the Ob river	2439 running meters	38 318,5**	Federal budget, budget of Yamal-Nenets Autonomous Okrug	2010 - 2015

Took no part in calculations; * No VAT included



Amount of financial support requested from the Investment Fund of the Russian Federation

Name	1.01.2009 Prices (mln, RUR)	Prices for the following periods (mln, RUR)
Construction of the Polunochnoye-Obskaya-Salekhard motorway	102 538	115 993
Construction of the Salekhard-Nadym railway	57 007	65 463
Including the Investment Fund means	20 485	24 615
Total	123 023	140 608



Transport infrastructure

The Polunchnoye-Obkskaya-Salekhard railway Technical and constructions characteristics

Characteristic	Measuring unit	Index
32-01-95 Construction Norms and Regulations Category		II
Building length	km	902,5
Traction type, engine type		diesel locomotive operation, 1,5XTЭ116
Train load limit	tons	5200
Passing tracks	units	39
Stations	units	7
Total amount of artificial constructions	units	936
-large-size bridges	units/running meter	28/8047,1
-medium-size bridges	units/running meter	39/2918,6
Motorway over-crossings	units/running meter	2/201,3



Transport infrastructure		
The Salekhard-Nadym railway		
Technical and constructions characteristics		
Characteristic	Measuring unit	Index
32-01-95 Construction Norms and Regulations Category		II
Building length	km	354,6
Traction type, engine type		diesel locomotive operation, 1,5XTЭ116
Train load limit	tons	6000
Passing tracks	units	26
Stations	units	3
Total amount of artificial constructions	units	375
-large-size bridges	units/running meter	17/3841
-medium-size bridges	units/running meter	27/1583
Motorway over-crossings	units/running meter	4



Transport infrastructure

The combined bridge on the Ob river

Constructions characteristics

Characteristic	Measuring unit	Index
Length	km	8,632
Road approaches	km	4,704
Designed speed (along the motorway)	km	120
Railway category		II
Motorway category		II
Length of the bridge	m	2439,8
Scheme of the riverbed part of the bridge	m	4x(2x110)+7x220
Number of railway lanes	-	single-lane
Overall size of the motor-transport passage	m	Г-11,5
Width of pavements	m	2x1,0
Bridge way along the:		
rail line		ballastless, along the reinforced concrete slabs
motor-transport passage		asphaltic concrete



Transport infrastructure

The combined bridge on the Nadya river

Technical and Construction characteristics

Characteristic	Measuring unit	Index
Category of the designed part of road approaches		III
Building length	km	3,100
Incl. road approaches (the motorway part)	units/m	1/1335
Bridge (the railway part)	units/m	1/1335
Number of railway lanes	-	single-lane
Bridge rail line		ballastless, along the reinforced concrete slabs
Motorway designed speed	km/hour	100
Road bed width	m	12,00
Road bed and road surfacing type on the road approaches		capital type, asphaltic concrete
Construction costs (in 3 rd quarter of 2009 prices)	RUR, mln	7 853,7



Energy infrastructure

No	Energy infrastructure objects	Length/ Power	Investment, mln, RUR, 1.01.2009 prices
1	Severo-Sosvinskaya Power Station	1200MW	75 085
2	Polyarnaya Combined-Cycle Power Station	450MW	22 506
3	Pripolyarnaya Power Station	122MW	6 184
4	Tarko-Salinskaya Power Station	1200MW	57 956
5	Urengoyskaya Power Station	450MW	24 297
6	Tarelskaya Power Station	1200MW	60 403
7	Naganskaya Power Station	1260MW	50 757
8	Noyabrsk Combined-Cycle Power Station	124MW	8 577
9	Construction of OJSC "Tyumenenergo" power supply networks	938 km	6 168



Objects of subsurface resources development

Description	Raw material	InvestmentIn, RUR, 1.01.2009 prices
Lekin-Talbeyskoe Field (Yamal-Nenets Autonomous Okrug)	copper-molybdenum ores	4 253
Yuzhnoe Ore Field(Yamal-Nenets Autonomous Okrug)	chromite ores	3 023
Yugo-Zapadnoe Ore Field (Yamal-Nenets Autonomous Okrug)	chromite ores	2 704
Laptapaiskaya Block (Yamal-Nenets Autonomous Okrug)	chromite ores	4 795
Yany-Turinsky Block (Khanty-Mansy Autonomous Okrug)	iron ores	4 039
Otoryinsky Block (Khanty-Mansy Autonomous Okrug)	brown coal	14 668
Severo-Sosvinsky Block (Khanty-Mansy Autonomous Okrug)	copper-zinc ores	6 994
Yuzhno-Khadyriakhinskoe deposit	oil, gas, condensate	10 793
Syskonsynyinskoe deposit	oil, gas, condensate	5 385
Ladertoyskoe deposit	oil, gas, condensate	27 847



Programme for investment into industry

Direct effect of project implementation

construction of the propylene plant with the total production volume of 500 000 tons p.a. Total amount of investment in 01.01.2009 prices makes up RUR 63 345 mln.

Indirect effect of project implementation

Alapaevsky railroad sleepers' production plant
SNT "Stroyindustriya" OJSC "RZDStroy"

The investment programme for production capacity upgrading

Building of bridge steel constructions' production workshop

Investment project for development of cable conductor production manufacturing

Investment project for designing and construction of telecommunications and information infrastructure objects

Novy Urengoy gas-chemical complex



Compliance with the qualitative criteria of investment projects selection:

- The project is included into the “Concept of Long-Term Social and Economic Development of the Russian Federation up to 2020”
- In 2008 Russia’s Ministry of Natural Resources made a decision on working out and accepting the “Comprehensive Plan of Development of the “Ural Industrial – Ural Polar” Mineral Resources Supplies for the 2010 – 2015 Period”
- Energy infrastructure projects have been integrated into the “General Scheme of Placement of Power Industry Objects up to 2020”
- Rise in employment rate – in general about 70 000 jobs will be created
- Supply of enterprises located in the Urals Federal District with domestic raw materials and increase of their competitiveness level
- Creation and improvement of region’s transport infrastructure



**Strategical partners of the
“Ural Industrial – Ural Polar” project**

OJSC “Gazprom”

State Corporation “The Bank for Development and Foreign Economic Affairs (Vnesheconombank)”

OJSC “Uralsvyazinform”

OJSC “Novatek”

OJSC “Tyumenenergo”

OJSC “NK “Rosneft”

OJSC “OGK-1” (The first power generating company on the wholesale energy market)

OJSC “Sibur Holding”

JSCo “RZD”

“Intertechelectro-New Generation” Group of Companies

Novaar Capital Management SPC

COFREX



URAL INDUSTRIAL
URAL POLAR

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