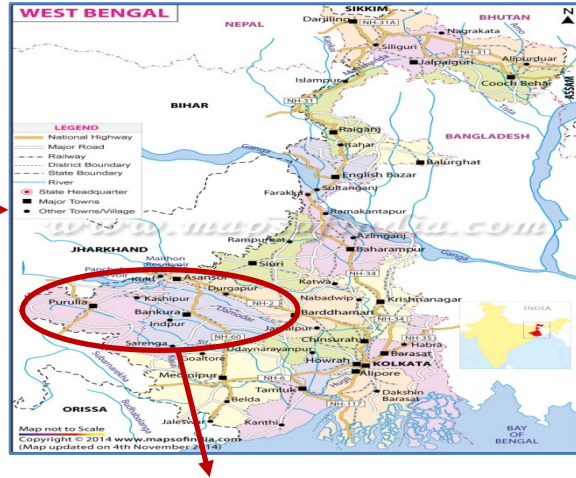


2x600 MW DVC-Raghunathpur Thermal Power Project, Purulia

This 2x600 MW thermal power project located at Raghunathpur in West Bengal was awarded to Reliance Infrastructure Ltd. (earlier Reliance Energy Ltd.) by Damodar Valley Corporation (DVC) on December 14, 2007 through International Competitive Bidding (ICB). This multi-state project is being set up by DVC under the Mega Power Policy of Power, Govt. of India.

A. Project Location:-



Latitude	• 23° 37' 20" N
Longitude	• 86° 39' 50" E
Elevation	• 155 M (509 ft)
Time Zone	• IST (UTC +5:30)
State	• West Bengal
District	• Purulia
Nearest Railway Station	• Sanka - 11 Km • Adra - 20 Km • Asansol - 50 Km
Nearest Airport	• Dhanbad - 61 Km • Kolkata - 250 Km
Nearest Seaport	• Kolkata - 250 Km



B. Executive Summary:-

Damodar Valley Corporation (DVC) is implementing 2X600 MW Raghunathpur Thermal Power Project, Phase – I, at Purulia District in the state of West Bengal. M/s DVC have placed LOI's on M/s Reliance Energy Limited for execution of the power project on EPC turnkey basis. Schedule and cost details of the contract awarded to M/s REL are given below.

Capacity	•2x600 MW
Project Area	•Plant Area - 921 Acre •Ash Disposal Area - 594 Acre
Coal linkage	•Mine blocks in Jharkhand & Raniganj
Water source	•Reservoir on upstream of Panchet Dam
Power Off take	•400 KV – 6 Lines
Scope of Work	•BTG , BOP, Non Plant Buildings, Boundary Wall, Area Grading, Switch Yard, Administrative Building, Permanent Store, Roads & Drainage

C. Major Contractors & Suppliers:-

Sl No.	Package	Supplier	Service Agency
1	TG	Shanghai Electric Group Co.	Shanghai Electric Group Co.
2	TG Aux	Shanghai Electric Group Co.	Powermech Projects Ltd
3	Boiler	Shanghai Electric Group Co.	Petron Engg Construction
4	ESP & Rotation M/c	Shanghai Electric Group Co.	Powermech Projects Ltd
5	Structure	Jindal Steel & Power Ltd	Powermech Projects Ltd
6	Civil	Steel – Steel Authority of India Ltd Cement - Ultratech Cement Ltd	Main Plant - JMC Projects (India) Ltd AHP - Dascon Sourav Com Pvt Ltd
7	NDCT		Paharpur Cooling Powers Ltd
8	Chimney		Gammon India Ltd
7	Electrical	Larson & Toubro Ltd Crompton Greaves Ltd	Sigma Construction
8	C&I		ADSC Instrumentation Pvt Ltd
9	Ash Handling System	The Indure Private Ltd	The Indure Private Ltd
10	Switchyard	Alstom T&D India Ltd	Alstom T&D India Ltd
11	CW & ACW System	Pumps - Mather & Platt Pumps Ltd Piping - Raunaq International Ltd	Raunaq International Ltd
12	Fuel Oil System	Thermo Systems Pvt Ltd	Thermo Systems Pvt Ltd

D. Status of Project as on Dec '14:-

The project has so far achieved 85% construction progress despite adverse conditions like land disputes, stoppage of works by locals, etc.

UNIT #1

- Unit 1 has been synchronized to the grid & Full Load of 600 MW has been attained.

UNIT #2

- Unit 2 is in advance stage of commissioning.

E. Challenges encountered during the journey so far:-

1. Completion of main plant boundary was delayed due to non availability of encumbrance free land. Also there was delay in deployment of CISF by DVC for overall watch and ward of the project. This has resulted in porous unsecured boundary at multiple points, leading to trespassing and pilferages adversely affecting the project progress.
2. Repeated bandhs & disruptions by the locals stopped the project work at site for 341 days. IR problem still persists in Ash Pond area.
3. The client (DVC) has not been able to arrange the following Inputs to be provided by them as per the Contract which is coming in the way of further progress of the project:
 - a. Arrangement of adequate quantity of quality coal.
 - b. Arrangement of adequate quantity of quality DM water.
 - c. Unit loading as per requirement for Unit stabilization, Reliability Test Run (RTR) and PG Tests.
 - d. Deployment of adequate operating personnel.