

# MELNIK

Czech



General View

## DESCRIPTION

An optimum plan was prepared from technical, financial and economical points of view concerning gas desulfurization measures of Melnik power plant which is one of biggest coal fired plants in Czecho and a seminar was held concerning study, operation and maintenance of the desulfurization system.



### NAME OF CLIENT:

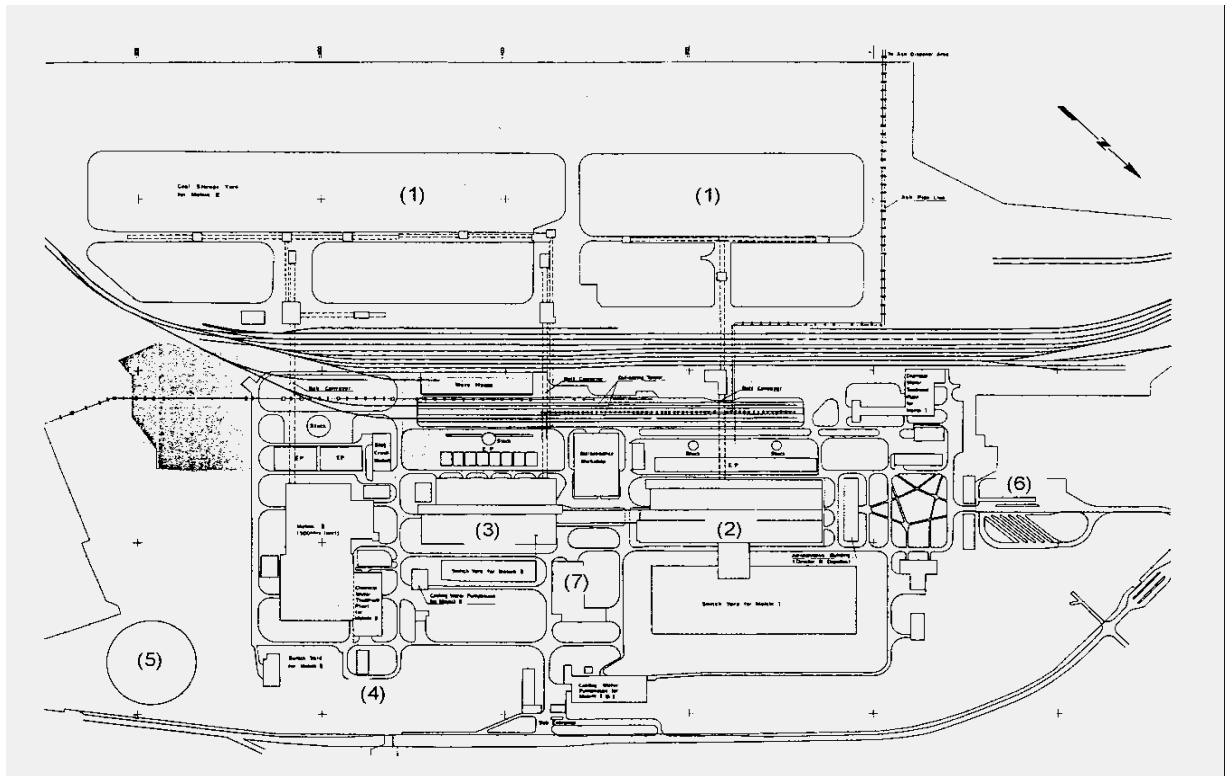
Japan International Cooperation Agency (JICA)

**CAPACITY:** Melnik 2 440MW

Melnik 3 500MW

### SERVICES:

Feasibility Study (March, 1992 - December, 1992)



General Plot Plan

(1)	Coal Storage Yard
(2)	Melnik I (55MW x 6 units)
(3)	Melnik II (110MW x 4 units)
(4)	Melnik III (500MW x 1 unit)
(5)	Cooling Tower
(6)	Main Entrance
(7)	Administrative Building (Operation & Maintenance)

### Principal Characteristics of Project

Item	Unit	Design Performance	
		Part II for I Unit	Part III
Capacity of Power Plant	MW	110	500
Gas Flow Rate	M <sup>3</sup> /h, wet	417,000	417,000
<b>Inlet Gas Condition</b>			
Temperature		190	170
So <sub>2</sub> (as O <sub>2</sub> =6% & Dry base)	mg/m <sup>3</sup> N	4,840	4,840
*So <sub>3</sub> ( " )	mg/m <sup>3</sup> N	48.4	48.4
Dust Load	mg/m <sup>3</sup> N	100	100
<b>Outlet Gas Condition</b>			
Temperature		100	100
So <sub>2</sub> (as O <sub>2</sub> =6% & Dry base)	mg/m <sup>3</sup> N	1,452	726
*So <sub>3</sub> ( " )	mg/m <sup>3</sup> N	24	24
Dust Load	mg/m <sup>3</sup> N, dry	40	40
So <sub>2</sub> , Removal Efficiency	%	70	85
Ca/S (Injected Ca/Treated S)	-	1.06	1.06
Draft Loss of FGD Plant	mmAq	230	230
Gypsum Slurry	t/h	4.27	22.73