

KAWASAKI STEEL TECHNICAL REPORT

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*Overseas Engineering Operations*

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Construction Engineering for the Development of LAGUNA  
TECHNOPARK in the Philippines

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Synopsis :

Kawasaki Steel, in joint venture with Ayala Land, Inc. and Mitsubishi Corp., developed the LAGUNA TECHNOPARK, a private industrial park for light and medium industries covering an area of about 220 ha. It is located in Sta. Rosa and Binan, province of Laguna in the Philippines, about 40 km south of Manila. Kawasaki Steel provided engineering, concerning especially civil engineering, building, waterworks and drainages system for the industrial park. Firstly, a feasibility study of the project was made and a basic plan of the industrial park was laid out by taking into consideration the results of various technical investigations and studies. Secondly, detailed designing and construction work of infrastructure and utilities were carried out. Kawasaki Steel's total engineering services for this project can be considered to be a big success, since the services based on incorporation of tenants' comments and satisfactory utilization of infrastructure as well as utilities provided.

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# Construction Engineering for the development of LAGUNA TECHNOPARK in the Philippines\*

Suzumoto

**2 Feasibility Study**

**2.1 Concept of the Project**

1	Field reconnaissance
2	Topographic survey
3	Geological survey

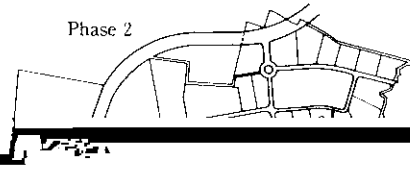
Table 3 Comparison for standard of drainage quality

Parameter	Unit	Philippines	Japan	Taiwan	South Korea	Indonesia	Great Britain
Arsenic	mg/l	0.1	0.5	0.3	0.5	0.05	0.5
Cadmium	mg/l	0.02	0.1	0.05	0.1	0.01	0.5
Chromium	mg/l	0.05	0.5	0.25	0.5	0.05	0.5
Cyanogen	mg/l	0.1	1.0	0.5	1.0	0.1	0.3
Lead	mg/l	0.1	1.0	0.5	1.0	0.05	0.5
Mercury	mg/l	0.005	0.005	0.003	NIL	0.005	0.5
PCB	mg/l	0.003	0.003	NIL	0.003	--	--
pH	--	6 ~ 9	5.8 ~ 8.6	6 ~ 9	5.8 ~ 8.6	5 ~ 9	6 ~ 9
DO (%)	mg/l	60	160 (Mn)	120	150	--	--

Table 4 Basic design for industrial park

No.	Item	Basic design
1	Type of industry	(1) Electronics (2) Semiconductors (3) ...

Phase 2



(2) A central sewage treatment plant would be installed.

(3) A flood regulating pond with a capacity sufficient to

**3.2 Construction of the Infrastructure**

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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