

## BRIEF SUMMARY

I G Petrochemicals Ltd. (IGPL) is an established market leader in Phthalic Anhydride (PAN) with strong recognition and excellent plant facilities of international standards.

Phthalic Anhydride (PAN) is used in industries such as flexible PVC, plastics, paints, construction, transportation and marine.

IGPL is promoted by the Dhanuka Group in technical collaboration with Lurgi GmbH, Germany.

The plant is located at MIDC, Talaja in Raigad District, Maharashtra, India, 50 Km from Jawaharlal Nehru Port Trust (JNPT), Maharashtra, thus enabling us to provide unsurpassed customer service to versatile and diversified market since 1992.

Phthalic Anhydride (PAN) is used in manufacturing plasticizers, which are most essential in making PVC products, shoe soles, cables, pipes and hoses, leather cloth, films for packaging and other products. It is also used to manufacture alkyd resins used in paints and in the production of unsaturated polyester resins for building materials, plastic products, textile industries and printing inks. Being a "value driven" company, the values are a part of individual and collective objectives for continuous business excellence.

The expansion is proposed to be at existing plot no T-2, V-45, V-11 to V 14, T-2/1 and adjacent acquired plot No T- 2 (part) which is at Talaja MIDC area, Dist Raigad, Maharashtra.

The total land on Plot is 118,026 sq m (Existing T-2, V-45, V-11 to V 14, T-2/1 plots are 100,876 sq m and acquired T- 2 (part) is 17150 Sq. m). Since majority of existing plant/land area (>80%) is in plot T-2, the applications are generally made showing plot T-2.

It is proposed to manufacture Phthalic anhydride and Phthalate plasticizers based on growing market demand. Proposed additional expansion quantities are as below:

**Table 0-1 Proposed production quantities**

S. N.	Name of Product	Quantity (MTPA)
1	PA Manufacturing Division	
(a)	Phthalic Anhydride (PA)	53,000
(b)	By product Benzoic Acid (recovery from effluent & residue)	500
2	Plasticizers Manufacturing Division	
(a)	Di- Octyl Phthalate (DOP)	62,500

(b)	Di-Iso Octyl Phthalate (DIOP)	
(c)	Di-Iso Nonyl Phthalate (DINP)	
(d)	Di- Decyl Phthalate (DIDP)	
(e)	Di- Butyl Phthalate (DBP)	
(f)	Di- Iso Butyl Phthalate (DIBP)	
(g)	Di Methyl phthalate (DMP)	
(h)	Di Ethyl phthalate (DEP)	
	By product	
(i)	Sodium sulphate	900
(j)	Phthalic Acid	800

## Location of the Project

### Details Of Nearest Infrastructure Facilities

Sr. No	Destination	App. Distance of Project Site
1	Nearest National Highway	
	NH-4	4 km
2	Nearest Airport	
	Mumbai	28 km
3	Nearest Railway Station	
	Taloje Panchnand	4.5 km
4	Nearest Port	
	JNPT sea port	30 km

The Geographical Location of this Industry is at coordinates, 19° 05' 27"N and 73° 7'41"E at elevation above Mean sea level of 25 meters.

This site is in premises of MIDC which is meant for these types of Industries.

**Land Form:** Land is on plain contour, it is flat terrain.

**Land Ownership:** Land ownership is with project proponents (IG Petrochemicals limited).

**Existing Land use Pattern:** The Land is reserved for Industrial use & presently project expansion site is at the same plot. MIDC Taloja is a multi-product industrial estate

**Existing Infrastructure:** Presently there is an existing Infrastructure at the site.

Infrastructure like water, electricity, telephone facility, roads already available as this is an existing Industrial area.

There is no sensitive establishment in the vicinity such as health resort, hospital, archaeological monuments, Wild Life Sanctuaries, National Parks etc.

### **The location justification for the project is as under**

- a. Availability of required land and infrastructure for locating the expansion and integration with existing facility.
- b. Suitability of land from topography & geological aspects, synergy and business point of view
- c. Proximity to rail / road to facilitate transport of equipment / materials/ product
- d. Availability of adequate quantity of water to meet water requirements.

### **Green Belt**

In and around the IGPL plant site, green plantation has been carried out to balance green belt and along the boundary of the plot.

For proposed expansion adequate green belt shall be developed.

### **Water Management**

The additional water requirement is about 2040 cmd for Domestic, boiler/cooling, greenery and process. The water is available from existing water works of MIDC and the same is adequate and satisfactory. The water supply will be through MIDC from Barvi Dam. IGPL is not encroaching on anybody's water source.

### **Sewage System**

IGPL has combined STP/ETP plant for its existing manufacturing operations.

### **Power Requirement & Supply/ Source**

**Electricity:** 2750 Kwh (PA4 & Plasticizer expansion),

Source: Captive during normal operation for PA4 and from MSEDCL for plasticizer.

During plant shut down & start up, existing 2000 KVA Diesel generator/ MSEDCL power will be used.

### **Employment Generation due to Project (Direct and indirect)**

The project will have major employment generation in terms of direct (60 nos) and contract employment (45 nos). Total employment about 105 Nos.