

**For further enquiries, please contact:**

**Mr. A. N. Jha**

Executive Director (Petrochemicals)  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 1, Sri Aurobindo Marg,  
Yusuf Sarai, New Delhi - 110016  
Phone : 91-11-26859070

**E-mail : aratinathjha@indianoil.in**

**Mr. K.K. Sharma**

General Manager  
(Petrochemicals-Marketing Operations)  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 1, Sri Aurobindo Marg,  
Yusuf Sarai, New Delhi - 110016  
Phone : 91-11-26524718

**E-mail : sharmakk@indianoil.in**

**For PX/PTA/MEG/LAB/Butadiene**

**Mr. Sujit K. Sinha**

General Manager (Petrochemicals Marketing)  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 1, Sri Aurobindo Marg,  
Yusuf Sarai, New Delhi - 110016  
Phone : 91-11-26531082

**E-mail : sujitsinha@indianoil.in**

**For Polymers**

**Mr. Sujoy Choudhury**

General Manager  
(Petrochemicals-Polymer Marketing)  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 1, Sri Aurobindo Marg,  
Yusuf Sarai, New Delhi - 110016  
Phone : 91-11-26859066

**E-mail : sujoyc@indianoil.in**

**For Polymer Marketing**

**Mr. Satyendra Sahai**

Dy. General Manager  
(Petrochemicals Marketing)  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 1, Sri Aurobindo Marg,  
Yusuf Sarai, New Delhi - 110016  
Phone : 91-11-26514303

**E-mail : sahais2@indianoil.in**

**For Polyethylene**

**Mr. Jas Narad**

Chief Manager (Petrochemicals Marketing)  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 1, Sri Aurobindo Marg,  
Yusuf Sarai, New Delhi - 110016  
Phone : 91-11-26859056

**E-mail : jasnarad@indianoil.in**

**For Polypropylene**

**Mr. Puneet Agarwal**

Chief Manager (Petrochemicals Marketing)  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 1, Sri Aurobindo Marg,  
Yusuf Sarai, New Delhi - 110016  
Phone : 91-11-26514315

**E-mail : agarwalpuneet@indianoil.in**

**At Delhi**

**Mr. K. S. Laha**

Chief Zonal Petrochemicals Sales Manager  
Indian Oil Corporation Ltd.  
10<sup>th</sup> Floor, SCOPE Minar, Core-2,  
District Centre, Laxmi Nagar,  
New Delhi - 110092  
Phone : 91-11-22448081

**E-mail : klaha@indianoil.in**

**At Mumbai (WZ-1)**

**Mr. R. Nandakumar**

GM (Petrochemicals Sales)  
Indian Oil Corporation Ltd.  
1<sup>st</sup> Floor, Sarjan Plaza,  
100, Dr. Annie Besant Road,  
Worli, Mumbai - 400018  
Phone : 91-22-24918211

**E-mail : kumarrn@indianoil.in**

**At Ahmedabad (WZ-II)**

**Mr. M. C. Gupta**

Chief Zonal Petrochemicals Sales Manager  
Indian Oil Corporation Ltd.  
4<sup>th</sup> Floor, Ashoka Chambers, A wing Rasala  
Marg, Mithakhali, Ahmedabad - 380006  
Phone: 91-79-26460712

**E-mail : guptamc@indianoil.in**

**At Indore (NWZ)**

**Mr. S. K. Roy**

Chief Zonal Petrochemicals Sales Manager  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, Plot No. 8,  
Scheme No. 159, Kasturba Thakre Marg,  
MR-10, Indore - 452016  
Phone: 91-731-2970518

**E-mail : roysarojk@indianoil.in**

**At Chennai**

**Mr. S. Jaikumar**

DGM (Petrochemicals Sales)  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 139, Nungambakkam High  
Road, Chennai - 600034  
Phone : 91-44-28339195

**E-mail : jaikumars@indianoil.in**

**At Kolkata**

**Mr. D. Khastagir**

Chief Zonal Petrochemicals Sales Manager  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 2 Gariahat Road  
Dhakuria (S), Kolkata - 700068  
Phone: 91-33-24145948

**E-mail : dkhastagir@indianoil.in**

**Exports (All Products)**

**Mr. Manoj Kr. Jha**

Sr. Manager (Petrochemicals Marketing)  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 1, Sri Aurobindo Marg,  
Yusuf Sarai, New Delhi - 110016  
Phone : 91-11-26859076

**E-mail : mkjha@indianoil.in**

**Technical Services and Product  
Application and Development Centre**

**Mr. A. V. Raghunadhan**

Chief Manager (TS)  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 1, Sri Aurobindo Marg,  
Yusuf Sarai, New Delhi - 110016  
Phone : 91-11-26518227

**E-mail : avraghunadhan@indianoil.in**

**Channel Management Group**

**Mr. Sunil Kumar Singh**

Chief Manager (PC-M)  
Indian Oil Corporation Ltd.  
IndianOil Bhavan, 1, Sri Aurobindo Marg,  
Yusuf Sarai, New Delhi - 110016  
Phone : 91-11-26535819

**E-mail : sunilsingh@indianoil.in**



## Delivering Excellence, Propelling India's Progress

### IndianOil – The Energy of India

Indian Oil Corporation (IndianOil) is India's largest commercial enterprise, with sales turnover of ₹ 3,99,601 crore (US\$ 61 billion) and profits of ₹ 10,399 crore (US\$ 1,589 million) for the year 2015-16. It is also the leading Indian corporate in *Fortune's* prestigious 'Global 500' listing of the world's largest corporates, ranked at the 119<sup>th</sup> position for the year 2015.

As India's flagship national oil company, IndianOil's business interests straddle the entire hydrocarbon value-chain – from refining, pipeline transportation and marketing of petroleum products to exploration & production of crude oil & gas, marketing of natural gas and petrochemicals, besides forays into alternative energy and globalisation of downstream operations.

### Petrochemicals: Worldscale Plants, Worldclass Technologies

IndianOil is one of the largest players in the domestic petrochemicals market, offering a full slate of petrochemical products and intermediates under the brand name *PROPEL*. The Corporation made its big-ticket entry into petrochemicals with the commissioning of the country's largest LAB (Linear Alkyl Benzene, used in the production of detergents) plant at its Koyali Refinery in August 2004. An integrated PX/PTA (Paraxylene/Purified Terephthalic Acid) complex came up at Panipat in Haryana in 2006. The PTA plant is the single largest unit in India, with a world-scale capacity of 5,53,000 MTPA. A world-class Naphtha Cracker of 857 Kt/yr Ethylene capacity with downstream polymer units, set up at Panipat in 2010, is the largest operating cracker capacity in India. Its downstream unit produce about 40 grades of polymers catering to diverse range of applications.

Brief details of Polymer plants are given below:

Unit	Technology & Licensor	Capacity (Kt/yr)
Poly Propylene	Spheripol II – LyondellBasell, Italy	600 (2X300)
Dedicated HDPE	Hostalen – LyondellBasell, Germany	300
LLDPE/HDPE Swing	Sclairtech- Nova Chemicals, Canada	350

IndianOil has already implemented Petrochemical projects worth ₹ 20,500 crore (US\$ 4.12 billion). Further plans are on the anvil for various petrochemicals projects touching capex of ₹ 32,000 crore (US\$ 6.4 billion). As part of this mega plan, IndianOil is setting up a polypropylene plant with a capacity of 700 Kt/yr at its Paradip Refinery.





**LLDPE / HDPE Grade Slate : Sclairtech Swing Plant**

PRODUCT	SECTOR	GRADE	MFI (I <sub>2</sub> )	DENSITY	SPECIAL CHARACTERISTICS	APPLICATIONS
LLDPE	LL FILM	010F18S	0.9	0.918	Good processability, Low gel, Good mechanical properties, Excellent optical properties. Contains slip and antiblock.	Liquid packaging film, Multilayer film for adhesive lamination, Carrier bags, Drip lateral.
		010F18A	0.9	0.918	Good processability, Good mechanical properties, does not contain slip and antiblock.	Multilayer film for adhesive lamination, Mulch Film, Drip lateral, Cling film.
		020F18A	2.0	0.918	Easy processability, Low gel, does not contain slip & antiblock.	Cast film, stretch cling film, Drip laterals, Multilayer film for adhesive lamination.
LLDPE	ROTATIONAL MOULDING	042R35A	4.5	0.935	Very good processability, Ease in de-moulding, Good mechanical strength.	Overhead water tanks, Loft tanks, Septic tanks, Chemical storage tanks, Toys, Garden furniture.
LLDPE	INJECTION MOULDING	500M24A	50	0.924	Very good flow and processability.	Carrier resin for master batches, Injection moulding of flat and large warpage-free products and lids.
LLDPE	EXTRUSION COATING	065E24A	6.5	0.924	Good processability. Low neck-in, Good adhesion on substrates.	Extrusion coating on HDPE Raffia fabric, Paper etc. Base resin for XLPE compounds.
HDPE	INJECTION MOULDING	080M60	8	0.960	Good processability, Superior mechanical properties, Good ESCR property.	Crates for vegetables, milk, fish and material handling, Injection moulded Pallets, Caps & Closures.
		080M60U	8	0.960	UV stabilised, Good processability, Superior mechanical properties, good ESCR property.	Soft drink crates, Industrial crates for outdoor usage, Injection moulded Pallets, Caps & Closures.
		180M50	20	0.950	Excellent flow properties, very good processability, DMF approved.	Houseware, Thin wall injection moulded products.
HDPE	RAFFIA	010E52	0.9	0.952	Excellent orientation characteristics, Low water carry over, Excellent mechanical properties.	Woven sacks for fertilizer packaging, Wrapping fabric, Tarpaulin, Agri shade net, Raschel bags, Extruded sheets
		012E50	1.2	0.950	Narrow MWD, Excellent orientation characteristics, Low water carry over. Superior mechanical properties.	Tarpulin, Woven sacks for wrapping fabrics, Monofilaments for mosquito nets, fishing nets, etc.

**HDPE and HMHDPE Grade Slate : Dedicated (Hostalen) Plant**

SECTOR	GRADE	MFI (I <sub>2</sub> )	DENSITY	SPECIAL CHARACTERISTICS	APPLICATIONS
HM Film	002DF50	0.22	0.950	Bimodal grade with very good processability with high molecular weight. Excellent dart impact strength.	Counter bags, Shopping bags, Films for wrapping, Liners.
	003DF49	0.30	0.949	Bimodal grade with good processability and bubble stability, Down gauging, Grade exhibits superior gloss of films.	Counter bags, Shopping bags, Films for wrapping with higher gloss.
GPBM	012DB54	1.20	0.954	Bimodal grade with very good processability, Good balance of stiffness, ESCR and impact properties. DMF approved.	Blow molded containers for edible & lubricating oil packaging, Pharmaceutical & other general purpose packaging, DWC pipe.
MBM	003DB52	0.35	0.952	Bimodal HMHD grade with very good processability, High stiffness, toughness & good ESCR properties.	Blow moulded containers upto 100 litres. Sheet extrusion, DWC Pipe. Blow moulded water tanks.
LBM	001DB52	0.12	0.952	Bimodal HMHD grade with good processability, Good balance of stiffness and impact properties.	Large containers and L-Ring drums for packaging of industrial products upto 220 litres.
PIPE	002DP48	0.22	0.948	Bimodal grade with good processability. Excellent impact & stiffness. Meets PE-100 (MRS 10) rating requirements.	Pressure pipes for water & gas transportation, Irrigation pipes, etc.
	004DP44	0.44	0.946	Bimodal grade with very good processability, Meets PE-80 (MRS 8) rating requirements.	Pressure pipe for water and gas transportation, Irrigation pipes, etc.
	010DP45	0.9	0.945	Bimodal grade with good processability. Meets PE-63 (MRS 6.3) requirements.	Sprinkler pipes, Bore well pipes, Ducts & non-pressure pipes
	010DP45U	1.0	0.945	Bimodal grade with good processability. Meets PE-63 (MRS 6.3) rating requirements. It is UV stabilised grade. CACT approved for OFC ducts for telecom applications.	Sprinkler pipes, Bore well pipes, Tele ducts for housing OFC in telecom applications & non-pressure pipes.

**Polypropylene (PP) Grade Slate : Spheripol Plant**

FAMILY	SECTOR	GRADE	MFI (I <sub>2</sub> )	SPECIAL CHARACTERISTICS	APPLICATIONS
HOMO POLYMER	INJECTION MOULDING	1030MG	3	Good balance of impact and rigidity, Good processability	Industrial products, Household products, General purpose extrusion, Blending with Raffia.
		1060MG	6	Good balance of impact and rigidity, Good processability	Industrial products, Household products. Also used in blends in Thermoforming & Raffia.
		1110MG	11	High flow and high rigidity, Very good gloss.	Rigid Packaging, Household articles, Furniture, Caps & Closures.
		1110MAS	11	A superior grade having high flow, very high stiffness with excellent gloss. The grade offers better productivity and reduces energy consumption. DMF approved.	Furniture, Household articles & Auto components where high stiffness is required.
	THERMO FORMING	1030TC	3	Good processability in sheet extrusion, good thermoforming characteristics, excellent rigidity and transparency	Semi rigid thermoformed & vacuum formed articles, stationery sheets and packaging material
	RAFFIA	1030RG	3.5	Good processability, Low water carryover, Good balance of tenacity & elongation.	Woven sacks for Cement, Chemicals, Fertilizer, Food grain packaging, FIBC for bulk industrial packaging applications.
	BOPP FILM	1030FG	3	Gel free, Good stretchability and processability.	General purpose & co-extruded BOPP film, Metallisable film, Cast PP films, etc.
	TQ FILM	1100FS	10	Very good processability, Excellent gloss and clarity, contains slip and antiblock.	TQ films for packaging of snacks and bakery foods, Garment packaging, Textiles over wraps.
	FIBRE AND FILAMENT	1200YG	20	Good melt strength, stable extrusion even at high spinning speeds and stretch ratios.	Lower denier bulk continuous fibre, Continuous Fibre and Staple fibres, High tenacity continuous filament for straps, Low denier staple fibres for spun bond and non-woven.
		1350YG	35	High melt flow, High speed production of fine denier fibre, Anti gas fading properties	Spun bonded non-woven fabric for Diapers, Medical and sanitary tissues, Fine fibre yarn, Packaging bags for rice.
RANDOM CO-POLYMER	INJECTION MOULDING	2120MC	12	Excellent clarity & good processability, grade offers higher productivity and energy saving opportunities in processing. DMF approved.	Transparent injection moulded rigid containers, Houseware, Syringes, ISBM bottles.
IMPACT CO-POLYMER	INJECTION MOULDING	3030MG	3.5	Medium flow, Good stiffness and high impact strength balance.	Injection moulding of components for automobiles, Home appliances and Industrial products, Caps & Closures.
		4080MA	8	Medium flow for easy processing, Good impact & stiffness balance, anti-static properties.	Paint Pails, Furniture and industrial components.
		4100MH	10	Medium flow, Very good processability, Long term heat ageing, Good impact & stiffness balance.	Battery containers, Industrial mouldings, Components requiring long heat exposure like under-the-hood automotive components.
		5080MG	10	Good processability, No break (Superior impact strength)	High impact automotive components, Impact modifier in specialty PP compounds.
		3120MA	12	Medium flow, Good processability, Good impact and stiffness balance, anti-static properties.	Home appliances, Automotive components, PP compound for automotive components, Houseware, Molded furniture, Luggage shells.
		3400MN	40	High flow, Good processability, Low warpage, Nucleated grade.	Home appliances, PP Compound for automotive components, Thin wall Injection Moulding.
		3550MN	55	High flow, Good processability, Low warpage, Nucleated grade.	PP Compounding, Thin wall Injection moulding components, Appliances.
		3650MN	65	High flow, Good processability, Low warpage, Nucleated grade.	PP Compounding for auto components, Thin wall Injection moulding components, Appliances.
	EXTRUSION COATING	3250MG	25	High flow, Very good processability, Low neck-in.	Extrusion coating on PP Raffia fabric, Sandwich Lamination of Raffia fabric with BOPP film or Craft Paper.