



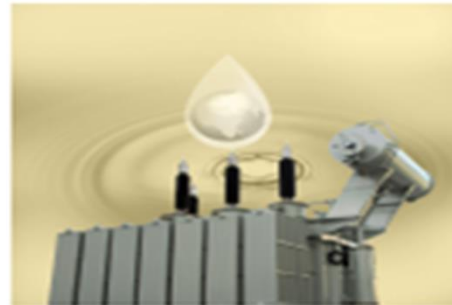
TOMORROW'S SOLUTIONS TODAY !!



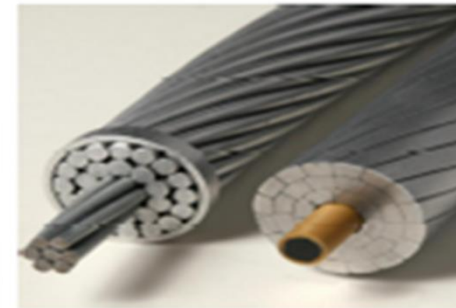
Providing Key Building Blocks to the Power Industry



All types of Cables



POWEROIL®
Speciality Oils



POWERLINE®
CONDUCTORS

POWERLINE® - Aluminium and Alloy Conductors

POWEROIL® – Transformer Oils and Speciality Oils

UNICAB® – Power and Telecom Cables

***APAR, a Technology driven Customer focused Company,
acknowledged for its Reliability, Adaptability and Innovation***

AT A GLANCE.

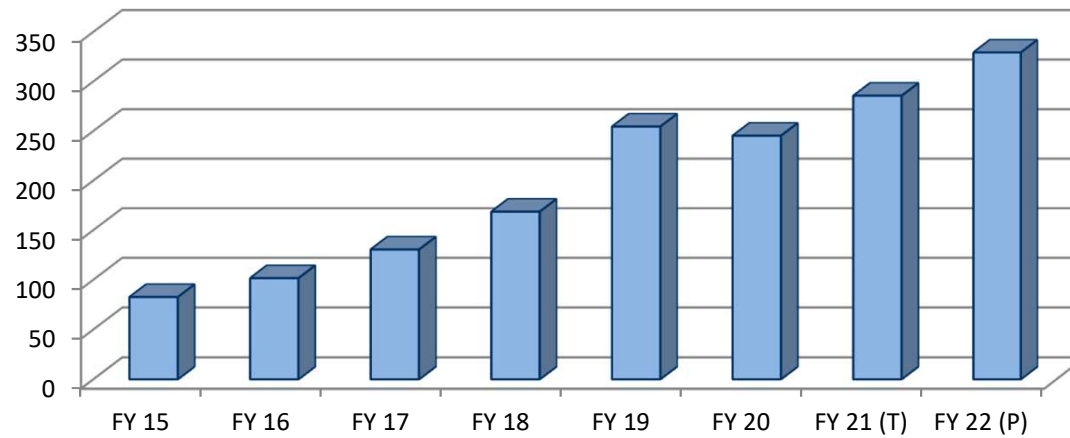


Group Turnover (USD 1.10 Billion)	Speciality oils	Conductors	Cables
Products	<ul style="list-style-type: none"> • Largest Indian player in the Power Transformer segment, especially in EHV segment (220 KV to 765KV). • Successful manufacturing & distribution tie-ups in South Africa, Australia & Turkey. • Exports of Transformer Oils and White Oils to over 65 countries. • License agreement with ENI to manufacture world famous AGIP lubricants. 	<ul style="list-style-type: none"> • Amongst the top 3 conductor manufacturer in the world.. With a Presence in over 100 countries,. • Vertically integrated producer of Aluminium Rod, Alum Alloys including 8000 series Rods • Complete range of ACSR and AAAC up to 1200 KV. • Leader in High Temperature conductors • Catenary & Contact Wires • OPGW 	<ul style="list-style-type: none"> • Widest range of MV & LV cables up to 66 KV, • Elastomeric cables, • Fiber Optic cables & Specialty cables with Integrated Fiber Optics, • Heavy & Low Tow cables • Torpedo cables, Solar & Windmill Cables etc • Electron Beam Irradiation facility (1.5 MeV to 5.0 MeV)
Plant Locations	Rabale, Silvassa and Hamriyah Total Capacity 450,000 KL	Silvassa, Athola, Jharsaguda Total Capacity over 200,000 MT	Umbergaon & Khatalwad Annual Capacity 25,000 MT Aluminum And 8,000 MT Copper

GROWTH

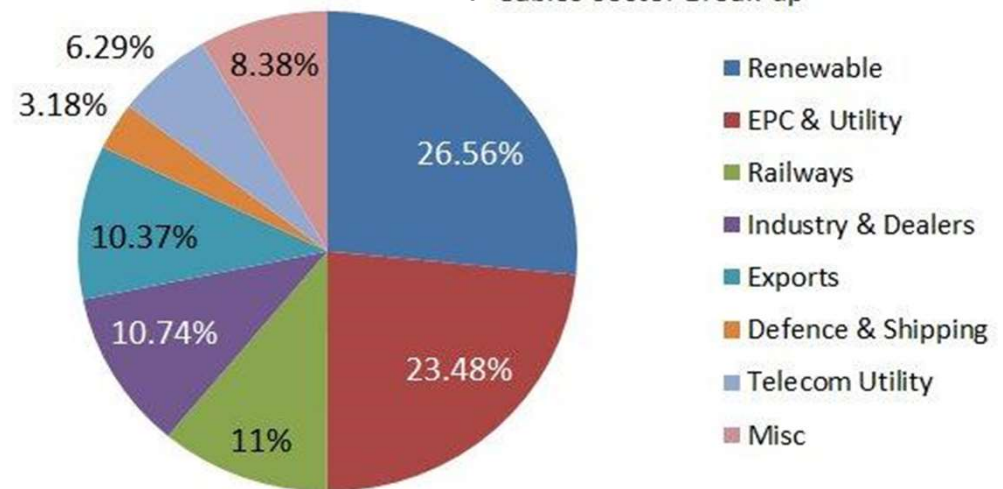


Sales in Miln US\$



*International Business
contributes nearly 19 % of the
total business.*

FY 20 Cables Sector Break-up



MANUFACTURING SET UP



- Experience in Cable manufacturing since 1981.
- A vast manufacturing infrastructure of 250,000 SqM , Apar plants are ideally located at Umbergaon & Khattalwada ; Around 150 Km from Mumbai Sea Port making it easier for export shipments.
- *All plants are ISO 9001 & 14001 Certified & we have NABL Accredited laboratories.*

E BEAM FACILITY



Over View :

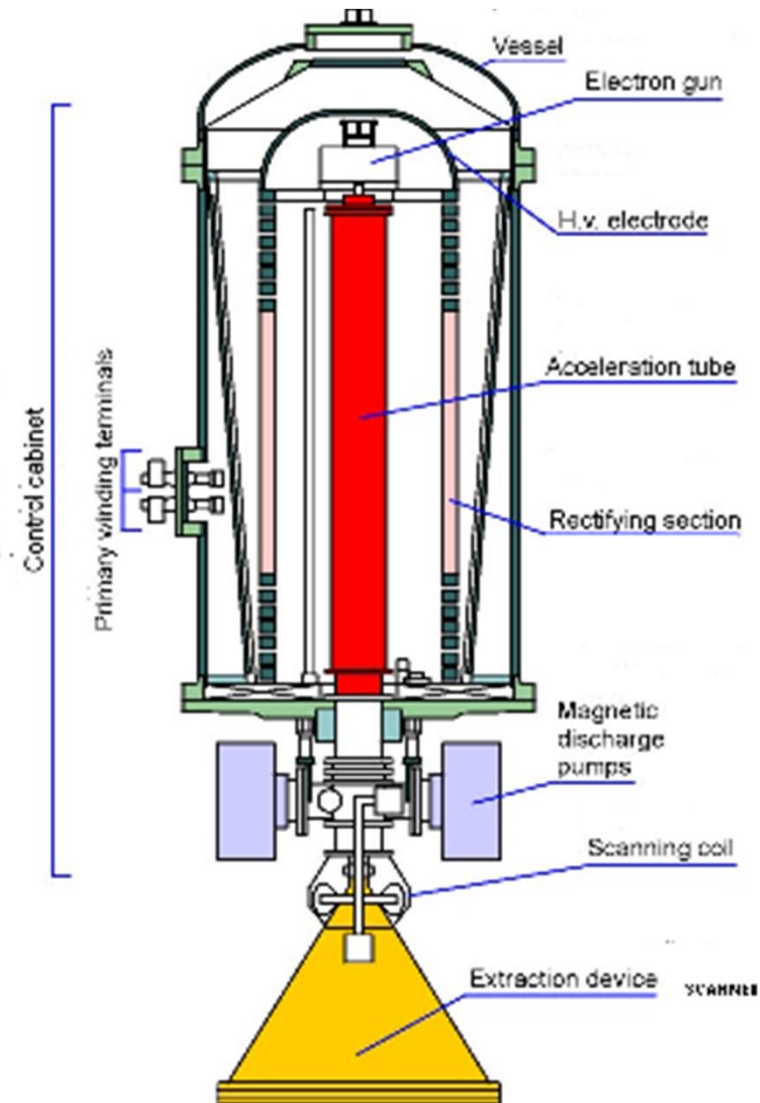
- The project is set up over 75000 SqM land area.
- Only site in India with Electron Beams from 1.5 MeV to 3.0 MeV to cover wide range of cables and handling system
5 MeV under installation.
- Under Beam handling system for several other products viz. PTFE Powder, Foam PE sheets, Heat Shrink Tubes & Moulded parts, PE Pipes, Packaging sheets etc

Technology:

- An Electron Gun is housed in a thick vessel where electrons are accelerated in an acceleration tube and are directed to a scanning device magnetically to scan
- The Cables are passed under the beam thru set of under-beam equipments

Benefits:

- Superior cross linking of polymers
- Superior Thermal & Mechanical properties



E- Beam Products



Cables

- Locomotive Cables
- Ship Wiring Cables
- Windmill Cables
- Solar Cables
- Automotive wires
- Building wires
- Fire Survival wires & Cables
- Mining Cables
- Appliance Cables/Wires
- PVC insulated winding wires
- Aerial Bunch Cables

Service Centre Products

- Heat Shrink Tubes
- Thin wall sleeves/tubes
- Wrap around sleeves
- Bus bar sleeves
- Moulded components & O-Rings
- Foam PE & PE Sheets
- Polymeric Insulators
- Diamond Irradiation
- Hot Water Tubes
- PE Pipes, Hoses etc
- Medical Sterilization
- Teflon powder



PRODUCT RANGE



ELECTRICAL CABLES	ELASTOMER & ELECTRON BEAM IRRADIATED CABLES	TELECOMMUNICATION CABLE RANGE
XLPE Cables up to 3.3 KV XLPE Cables up to 66 KV Medium Voltage Covered Conductors (MVCC) LV & HV ABC Cables Instrumentation Cables Concentric Anti Theft Cables Flexible Cables & Wires with FR/FRLS/LSOH Sheath Fire Survival Cables	Solar Cables Windmill Cables (33 kV) Locomotive Cables Ship Wiring Cables Trailing Cables Welding Cables Mining Cables LFH Cables & Wires Fire Survival Cables EPR, Silicon, EVA	Optical Fiber Cables Loose Tube & Unitube Ribbon Type Multi-mode/Single Mode Armoured/Duct/Aerial/ADSS Composite Integrated Fiber Optics Cable. <u>SPECIALITY CABLES</u> Torpedo Cable/ TOW Cables Under Water Cables

Radiation resistant cables for nuclear power plants with 60 year Cable life

ANNUAL PRODUCTION CAPACITY



Sr. No.	Cable Product Category	Annual Production Capacity
1	Elastomeric Cables upto 33 KV, 1 Core upto 1000 sqmm and multi core upto 400 Sq. mm Copper, Aluminium and Copper Clad Aluminium]	12,000 CKm/Yr for ≥ 120 sqmm 75,000 CKm/Yr for < 95 sqmm
2	XLPE Power Cables Upto 66 KV, Single core upto 1000 Alum, 630 sqmm Copper Multi Core upto 630 Sq. mm. Alum and 400 sqmm Cu	20,000 Core Km/Year HT Cables 25,000 Core Km/Year LT Cables 12,0000 CKm/Yr LT Control Cable
3	Optical Fiber Cables [upto 432 Fiber Cables], UniTube & Loose tube Armoured/DUCT/ADSS/Aerial Fig.8/Ribbon	90,000 Km/Year (Loose Tube) 120,000 Km/Year (UniTube)
4	Fluoroplastic PVC/PE cables [including FRLS/FS and high temperature screened instrumentation cables and wires]	24,000 Cable Km/ Year
5	Electron Beam Irradiated Cables	60,000 Cable KM/Year
6	PTFE Micro Powder	30 MT/year

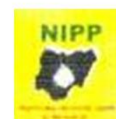
MANUFACTURING AND TESTING INFRASTRUCTURE



- We have the latest machinery from world renowned suppliers which helps us achieve the maximum output without compromising on the quality.
- High Quality Test & Measuring equipment's and Laboratory equipment's, manned by highly experienced Technical personnel ensure that each cable drum is thoroughly tested before dispatch.
- Wire Drawing Machines from Niehoff Germany and Electroplating-Tinning facility from OTOMEC Italy
- **Royale USA & Scholz/ Supermac CCV(Dry Cure Dry Cool)** Line for XLPE Cables up to 66 KV and State of the art extruders from Troester, Covema, Royale, Rosendahl, Maillefer.
- Electron Beam (3.0 MeV , 2.5 & 1.5 MeV) Irradiation facility.
5 MeV under installation
- Equipment's for in-house manufacture of nearly all compounds including Ebeam compounds .
- PTFE Recycling facility includes Alpine Hosokawa Grinder
- State of the art Fiber Optic Cable plant, including Ribbon Cable manufacturing

Both plants are ISO Certified and The XLPE Plant laboratory is NABL Certified.

International Customers.



EXPORTING COUNTRIES



•Angola	•Malaysia	•Spain
•Australia	•Mauritius	•Srilanka
•Bangladesh	•Mexico	•Sudan
•Burkina Faso	•Morocco	•Syria
•Chile	•Mozambique	•Tanzania
•China	•Myanmar	•Tunisia
•Colombia	•Nepal	•U.K
•Congo	•Nigeria	•UAE
•Ethopia	•Oman	•Uganda
•Haiti	•Portugal	•Vietnam
•Iraq	•Rwanda	•Yemen
•Italy	•Senegal	•Zambia
•Kenya	•Seychelles	•Zimbabwe

CONTACT US



Head Office

Apar House, Corporate Park, Sion, Trombay Road,
Chembur, Mumbai-400071. INDIA.

Tel: 022 25263400 | Fax: 022 25246326

E-mail:- corporate@apar.com

Web Connect

Apar Group : www.apar.com

Email:- info.cable@apar.com

Sales Contact:

Mr. Jignesh Doshi
jignesh.doshi@apar.com





THANK YOU.

